United States
Department of
Agriculture

Natural Resources
Conservation
Service

In cooperation with
Montana Agricultural
Experiment Station

Soil Survey of Custer County, Montana Part II

How to Use This Soil Survey

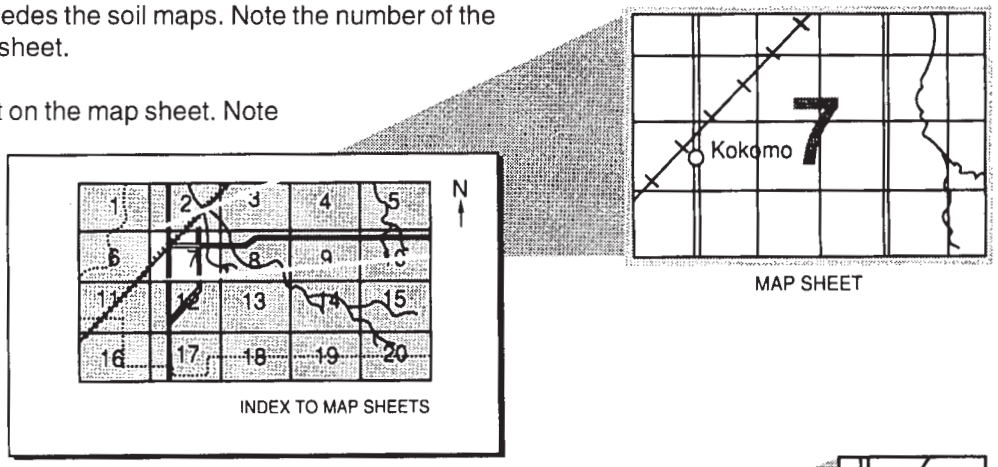
This survey is divided into three parts. Part I includes general information about the survey area; descriptions of the detailed soil map units and soil series in the area; and a description of how the soils formed. Part II describes the use and management of the soils and the major soil properties. This part may be updated as further information about soil management becomes available. Part III includes the maps.

Detailed Soil Maps

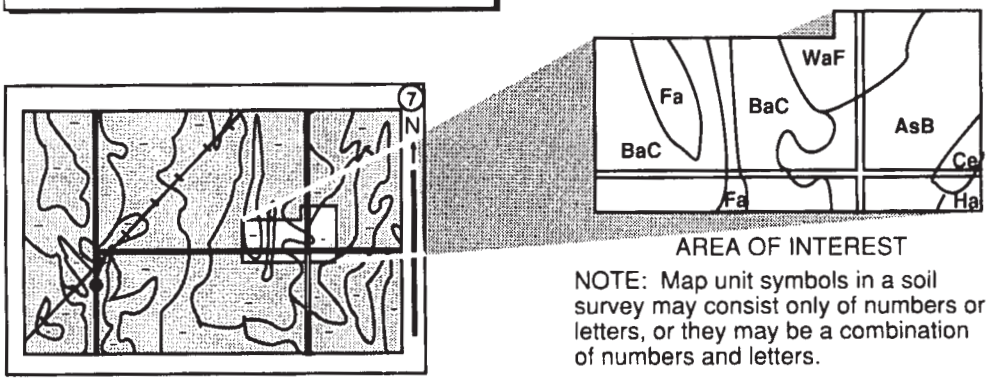
The detailed soil maps can be useful in planning the use and management of small areas.

To find information about your area of interest, locate that area on the **Index to Map Sheets,** which precedes the soil maps. Note the number of the map sheet and turn to that sheet.

Locate your area of interest on the map sheet. Note the map unit symbols that are in that area. Turn to the **Index to Map Units** in Part I of this survey, which lists the map units by symbol and name and shows the page where each map unit is described.



The **Summary of Tables** shows which table has data on a specific land use for each detailed soil map unit. See **Contents** for sections of this publication that may address your specific needs.



NOTE: Map unit symbols in a soil survey may consist only of numbers or letters, or they may be a combination of numbers and letters.

A **State Soil Geographic Data Base** (STATSGO) is available for this survey area. This data base consists of a soils map at a scale of 1:250,000 along with groups of associated soils. It replaces the general soils map published in older surveys. This map and its data base can be useful for planning multi-county areas and map output can be tailored for specific use. For more information about the State Soil Geographic Data Base for this survey area, or for any portion of Montana, contact your local Natural Resources Conservation Service office.

This soil survey is a publication of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (formerly the Soil Conservation Service) has leadership for the Federal part of the National Cooperative Soil Survey.

Major fieldwork for this soil survey was completed in 1993. Soil names and descriptions were approved in 1995. Unless otherwise indicated, statements in this publication refer to conditions in the survey area in 1994. This survey was made cooperatively by the Natural Resources Conservation Service, the Fort Keogh Livestock and Range Research Station, Bureau of Land Management, and Montana Agricultural Experiment Station. Financial assistance was provided by the Old West Regional Commission in cooperation with the Montana Department of State Lands, the Montana Association of Conservation Districts, the Montana Department of Natural Resources and Conservation, and the Custer County Board of Commissioners in cooperation with the Custer County Conservation District. It is part of the technical assistance furnished to the Custer County Conservation District.

Soil maps in this survey may be copied without permission. Enlargement of these maps, however, could cause misunderstanding of the detail of mapping. If enlarged, maps do not show the small areas of contrasting soils that could have been shown at a larger scale.

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Cover: A typical area of intermixed rangeland and grazable woodland in the central part of Custer County.

Additional information about the Nation's natural resources is available on the Natural Resources Conservation Service home page on the World Wide Web. The address is http://www.nrcs.usda.gov (click on "Technical Resources").

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Soil Survey of Custer County, Montana

This soil survey is an inventory and evaluation of the soils in the survey area. It can be used to adjust land uses to the limitations and potentials of natural resources and the environment. Also, it can help to prevent soil-related failures in land uses.

In preparing a soil survey, soil scientists, conservationists, engineers, and others collect extensive field data about the nature and behavioral characteristics of the soils. They collect data on erosion, droughtiness, flooding, and other factors that affect various soil uses and management. Field experience and collected data on soil properties and performance are used as a basis in predicting soil behavior.

Information in this section can be used to plan the use and management of soils for crops and pasture; as rangeland and woodland; as sites for buildings, sanitary facilities, highways and other transportation systems, and parks and other recreational facilities; and for wildlife habitat. It can be used to identify the potentials and limitations of each soil for specific land uses and to help prevent construction failures caused by unfavorable soil properties.

Interpretive ratings help engineers, planners, and others understand how soil properties influence important nonagricultural uses, such as building site development and construction materials. The ratings indicate the most restrictive soil features affecting the suitability of the soils for these uses.

Soils are rated in their natural state. No unusual modification of the soil site or material is made other than that which is considered normal practice for the rated use. Even though soils may have limitations, it is important to remember that engineers and others can modify soil features or can design or adjust the plans for a structure to compensate for most of the limitations. Most of these practices, however, are costly. The final decision in selecting a site for a particular use generally involves weighing the costs of site preparation and maintenance.

Planners and others using soil survey information can evaluate the effect of specific land uses on productivity and on the environment in all or part of the survey area. The survey can help planners to maintain or create a land use pattern in harmony with the natural soil.

Contractors can use this survey to locate sources of sand and gravel, roadfill, and topsoil. They can use it to identify areas where bedrock, wetness, or very firm soil layers can cause difficulty in excavation.

Health officials, highway officials, engineers, and others may also find this survey useful. The survey can help them plan the safe disposal of wastes and locate sites for pavements, sidewalks, campgrounds, playgrounds, lawns, and trees and shrubs.

The classification and extent of the soils in this survey area are shown in the tables "Classification of the Soils" and "Acreage and Proportionate Extent of the Soils," which are at the end of this section.

Classification of the Soils

(An asterisk by the soil name means it is a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
Abor	Fine, montmorillonitic, frigid Leptic Udic Haplusterts
Absher	Fine, montmorillonitic Typic Natriboralfs
Alona	Fine-silty, mixed, frigid Aridic Ustochrepts
Antwerp	Fine-silty, mixed (calcareous), frigid Aridic Ustorthents
*Archin	Fine-loamy, mixed Borollic Natrargids
Armells	Loamy-skeletal, mixed (calcareous), frigid Aridic Ustorthents
Benz	Fine-loamy, mixed (calcareous), frigid Aridic Ustorthents
Bigsandy	Fine-loamy, mixed (calcareous), frigid Typic Fluvaquents
Bigsheep	Loamy-skeletal, mixed Aridic Haploborolls
Birney	Loamy-skeletal, mixed, frigid Aridic Ustochrepts
Bitton	Loamy-skeletal, mixed Typic Haploborolls
Blacksheep	Loamy, mixed (calcareous), frigid, shallow Aridic Ustorthents
Bonfri	Fine-loamy, mixed Typic Eutroboralfs
Broadus	Fine-loamy, mixed, frigid Typic Ustochrepts
Brushton	Fine-silty, mixed Aridic Argiborolls
*Bullock	Fine-loamy, mixed Borollic Natrargids
Busby	Coarse-loamy, mixed, frigid Aridic Ustochrepts
Cabba	Loamy, mixed (calcareous), frigid, shallow Typic Ustorthents
Cabbart	Loamy, mixed (calcareous), frigid, shallow Aridic Ustorthents
Cambert	Fine-silty, mixed, frigid Typic Ustochrepts
Cambeth	Fine-silty, mixed, frigid Aridic Ustochrepts
Chanta	Fine-loamy over sandy or sandy-skeletal, mixed Aridic Haploborolls
Cherry	Fine-silty, mixed, frigid Typic Ustochrepts
Chinook	Coarse-loamy, mixed Aridic Haploborolls
Cohagen	Loamy, mixed (calcareous), frigid, shallow Typic Ustorthents
Cooers	Fine-loamy, mixed, frigid Aridic Ustochrepts
Creed	Fine, montmorillonitic Typic Natriboralfs
Dast	Coarse-loamy, mixed, frigid Typic Ustochrepts
Davidell	Fine-silty, mixed Typic Eutroboralfs
Degrand	Fine-loamy over sandy or sandy-skeletal, mixed Aridic Argiborolls
Delpoint	Fine-loamy, mixed, frigid Aridic Ustochrepts
Doney	Fine-loamy, mixed, frigid Typic Ustochrepts
Eapa	Fine-loamy, mixed Aridic Argiborolls
Ethridge	Fine, montmorillonitic Aridic Argiborolls
Farland	Fine-silty, mixed Typic Argiborolls
Farnuf	Fine-loamy, mixed Typic Argiborolls
Floweree	Fine-silty, mixed Aridic Haploborolls
Foreleft	Fine-loamy, mixed Typic Eutroboralfs
Gerdrum	Fine, montmorillonitic Typic Natriboralfs
Glendive	Coarse-loamy, mixed (calcareous), frigid Aridic Ustifluvents
Golva	Fine-silty, mixed Typic Haploborolls
Hanly	Sandy, mixed, frigid Aridic Ustifluvents
Harlake	Fine, montmorillonitic (calcareous), frigid Aridic Ustifluvents
Havre	Fine-loamy, mixed (calcareous), frigid Aridic Ustifluvents
Ismay	Fine-silty, mixed (calcareous), frigid Aridic Ustifluvents
Ivanell	Fine-silty, mixed Typic Eutroboralfs

Classification of the Soils (Continued)

Soil name	Family or higher taxonomic class
Kirby	Loamy-skeletal over fragmental, mixed (calcareous), frigid Aridic Ustorthents
Kobase	Fine, montmorillonitic, frigid Aridic Ustochrepts
Kremlin	Fine-loamy, mixed Aridic Haploborolls
Lallie	Fine, montmorillonitic (calcareous), frigid Vertic Fluvaquents
Lamedeer	Loamy-skeletal, mixed, frigid Typic Ustochrepts
Lihen	Sandy, mixed Entic Haploborolls
Lilsheep	Loamy-skeletal, mixed Entic Haploborolls
Lisk	Coarse-loamy, mixed, frigid Typic Ustochrepts
Lonna	Fine-silty, mixed, frigid Aridic Ustochrepts
Macar	Fine-loamy, mixed, frigid Typic Ustochrepts
Marias	Fine, montmorillonitic, frigid Chromic Udic Haplusterts
Marvan	Fine, montmorillonitic, frigid Sodic Haplusterts
Megonot	Fine, montmorillonitic, frigid Aridic Ustochrepts
Morton	Fine-silty, mixed Typic Argiborolls
Neldore	Clayey, montmorillonitic, nonacid, frigid, shallow Aridic Ustorthents
Parshall	Coarse-loamy, mixed Pachic Haploborolls
Pinehill	Fine, montmorillonitic Typic Eutroboralfs
Ralph	Fine-silty, mixed Aridic Argiborolls
Ralore	Clayey, montmorillonitic, shallow Typic Natriboralfs
Ringling	Loamy-skeletal over fragmental, mixed Typic Haploborolls
Rivra	Sandy-skeletal, mixed, frigid Aridic Ustifluvents
Rominell	Fine-loamy, mixed Typic Natriboralfs
Ryell	Coarse-loamy over sandy or sandy-skeletal, mixed (calcareous), frigid Aridic Ustifluvents
Sagedale	Fine, montmorillonitic, frigid Typic Ustochrepts
Savage	Fine, montmorillonitic Typic Argiborolls
Shambo	Fine-loamy, mixed Typic Haploborolls
Sonnett	Fine, montmorillonitic Typic Eutroboralfs
Spinekop	Fine-loamy, mixed, frigid Aridic Ustochrepts
Tally	Coarse-loamy, mixed Typic Haploborolls
Tinsley	Sandy-skeletal, mixed, frigid Typic Ustorthents
Twilight	Coarse-loamy, mixed, frigid Aridic Ustochrepts
Vanda	Fine, montmorillonitic (calcareous), frigid Aridic Ustorthents
Vanstel	Fine-silty, mixed Typic Eutroboralfs
Vebar	Coarse-loamy, mixed Typic Haploborolls
Volborg	Clayey, montmorillonitic, acid, frigid, shallow Aridic Ustorthents
Wabek	Sandy-skeletal, mixed Entic Haploborolls
Wayden	Clayey, montmorillonitic (calcareous), frigid, shallow Typic Ustorthents
Weingart	Fine, montmorillonitic Typic Natriboralfs
Widen	Fine, montmorillonitic, frigid Typic Ustochrepts
Yamacall	Fine-loamy, mixed, frigid Aridic Ustochrepts
Yawdim	Clayey, montmorillonitic (calcareous), frigid, shallow Aridic Ustorthents
Yetull	Mixed, frigid Typic Ustipsamments
Zatoville	Fine, montmorillonitic, frigid Aridic Ustochrepts

Acreage and Proportionate Extent of the Soils

Map Symbol	Soil Name	Acres	Percent
3F	Cabbart-Rock outcrop-Yawdim complex, 15 to 70 percent slopes	224,927	9.3
12E	Vendome gravelly sandy loam, 8 to 35 percent slopes	31,177	1.3
14B	Alona silt loam, 0 to 4 percent slopes	2,645	0.1
17F	Badland	60,965	2.5
18E	Cabbart-Havre loams, 0 to 35 percent slopes	34,342	1.4
19C	Archin loam, 2 to 8 percent slopes	15,759	0.6
21C	Benz loam, 0 to 8 percent slopes	826	*
24B	Davidell silty clay loam, 0 to 4 percent slopes	17,521	0.7
25A	Marias clay, 0 to 2 percent slopes	1,626	*
27A	Busby fine sandy loam, 0 to 2 percent slopes	2,855	0.1
27C	Busby fine sandy loam, 2 to 8 percent slopes	2,171	*
30C	Yamacall-Havre, occasionally flooded, loams, 0 to 8 percent slopes	51,580	2.1
31A	Ryell very fine sandy loam, 0 to 2 percent slopes, rarely flooded	1,687	*
33A	Chanta loam, 0 to 2 percent slopes	1,776	*
34C	Tally fine sandy loam, 2 to 8 percent slopes	1,435	*
35C	Chinook fine sandy loam, 2 to 8 percent slopes	3,418	0.1
37B	Degrand loam, 0 to 4 percent slopes	9,363	0.4
39A	Ethridge silty clay loam, 0 to 2 percent slopes	3,244	0.1
39C	Ethridge silty clay loam, 2 to 8 percent slopes	4,200	0.2
40A	Savage silty clay loam, 0 to 2 percent slopes	269	*
40C	Savage silty clay loam, 2 to 8 percent slopes	1,964	*
41A	Eapa loam, 0 to 2 percent slopes	5,509	0.2
41C	Eapa loam, 2 to 6 percent slopes	20,821	0.9
43F	Abor-Lilsheep complex, 8 to 45 percent slopes	6,549	0.3
44A	Farnuf loam, 0 to 2 percent slopes	558	*
44C	Farnuf loam, 2 to 6 percent slopes	6,662	0.3
45A	Glendive fine sandy loam, 0 to 2 percent slopes, rarely flooded	3,229	0.1
46A	Hanly loamy fine sand, 0 to 2 percent slopes, rarely flooded	772	*
47A	Harlake silty Clay, 0 to 2 percent slopes, rarely flooded	3,978	0.2
50C	Kremlin loam, 2 to 8 percent slopes	8,648	0.4
51C	Shambo loam, 2 to 8 percent slopes	4,188	0.2
52A	Sagedale silty clay loam, 0 to 2 percent slopes	102	*
52C	Sagedale silty clay loam, 2 to 8 percent slopes	4,683	0.2
53A	Kobase silty clay loam, 0 to 2 percent slopes	12,958	0.5
53C	Kobase silty clay loam, 2 to 8 percent slopes	21,755	0.9
53D	Kobase silty clay loam, 8 to 15 percent slopes	3,269	0.1
56A	Cherry silt loam, 0 to 2 percent slopes	90	*
56C	Cherry silt loam, 2 to 8 percent slopes	2,104	*
57A	Lonna silt loam, 0 to 2 percent slopes	2,967	0.1
57C	Lonna silt loam, 2 to 8 percent slopes	21,303	0.9
59C	Farland silt loam, 2 to 8 percent slopes	5,076	0.2
60A	Golva silt loam, 0 to 2 percent slopes	373	*
60C	Golva silt loam, 2 to 8 percent slopes	2,768	0.1
61A	Marias silty Clay, 0 to 2 percent slopes	1,930	*
62A	Marvan silty Clay, 0 to 2 percent slopes	4,538	0.2
62C	Marvan silty Clay, 2 to 8 percent slopes	2,332	*
64A	Pinehill loam, 0 to 2 percent slopes	1,547	*
64C	Pinehill loam, 2 to 8 percent slopes	8,148	0.3
64D	Pinehill loam, 8 to 15 percent slopes	953	*
67A	Riverwash	1,836	*
75C	Weingart-Ivanell clay loams, 2 to 8 percent slopes	14,483	0.6
76B	Vanstel loam, 0 to 4 percent slopes	1,053	*
76C	Vanstel silt loam, 2 to 8 percent slopes	2,068	*
77A	Havre-Bigsandy loams, 0 to 2 percent slopes, frequently flooded	3,113	0.1
79A	Yamacall loam, 0 to 2 percent slopes	17,840	0.7
79C	Yamacall loam, 2 to 8 percent slopes	19,257	0.8
79D	Yamacall loam, 8 to 15 percent slopes	2,411	*
81A	Creed loam, 0 to 2 percent slopes	106	*
81C	Creed loam, 2 to 8 percent slopes	2,323	*
85C	Foreleft loam, 2 to 8 percent slopes	2,417	*
88A	Floweree silt loam, 0 to 2 percent slopes	3,997	0.2
88C	Floweree silt loam, 2 to 6 percent slopes	7,450	0.3

Acreage and Proportionate Extent of the Soils (Continued)

Map Symbol	Soil Name	Acres	Percent
90A	Sonnett loam, 0 to 2 percent slopes	8,455	0.3
90C	Sonnett loam, 2 to 8 percent slopes	17,061	0.7
93B	Brushton silt loam, 0 to 4 percent slopes	10,163	0.4
98A	Macar loam, 0 to 2 percent slopes	243	*
98C	Macar loam, 2 to 8 percent slopes	6,393	0.3
112C	Absher silty clay loam, 0 to 8 percent slopes	1,252	*
121D	Kremlin-Tinsley-Degrand complex, 4 to 15 percent slopes	1,488	*
122D	Tinsley-Chanta complex, 4 to 15 percent slopes	1,093	*
123F	Tinsley-Delpoint-Cabbart complex, 8 to 45 percent slopes	7,224	0.3
151F	Armells-Cabbart-Kirby complex, 25 to 70 percent slopes	2,766	0.1
191C	Archin-Gerdrum loams, 2 to 8 percent slopes	21,353	0.9
192C	Archin-Davidell-Bullock complex, 2 to 8 percent slopes	3,458	0.1
222D	Floweree-Cambeth, Noncalcareous-Lilsheep complex, 4 to 15 percent slopes	4,234	0.2
228F	Cambeth, Noncalcareous-Lilsheep-Lonna complex, 15 to 45 percent slopes	9,363	0.4
241B	Davidell-Antwerp silty clay loams, 0 to 4 percent slopes	1,876	*
242C	Davidell-Ivanell complex, 2 to 8 percent slopes	10,784	0.4
271E	Busby-Blacksheep-Twilight fine sandy loams, 8 to 25 percent slopes	16,317	0.7
277D	Busby-Twilight fine sandy loams, 2 to 15 percent slopes	20,911	0.9
278E	Busby-Yetull complex, 2 to 15 percent slopes	2,387	*
293E	Cambeth-Cabbart-Kirby complex, 8 to 45 percent slopes	5,022	0.2
296F	Cambeth-Cabbart-Rock Outcrop complex, 8 to 45 percent slopes	57,048	2.3
297C	Cambeth, Noncalcareous-Megonot complex, 2 to 8 percent slopes	29,053	1.2
297D	Cambeth, Noncalcareous-Megonot complex, 8 to 15 percent slopes	64,796	2.7
297E	Cambeth, Calcareous-Cabbart-Yawdim complex, 15 to 25 percent slopes	253,788	10.5
311A	Ryell loam, 0 to 2 percent slopes, occasionally flooded	683	*
341D	Tally-Vebar fine sandy loams, 2 to 12 percent slopes	17,851	0.7
342C	Tally-Shambo complex, 2 to 8 percent slopes	7,351	0.3
352D	Chinook-Twilight fine sandy loams, 2 to 12 percent slopes	26,234	1.1
353C	Chinook-Kremlin complex, 2 to 6 percent slopes	5,606	0.2
355C	Chinook-Twilight-Eapa complex, 2 to 8 percent slopes	13,563	0.6
357D	Chinook-Lihen-Twilight complex, 8 to 15 percent slopes	4,580	0.2
361E	Doney-Broadus-Cabba complex, 15 to 25 percent slopes	17,644	0.7
381F	Delpoint-Armells complex, 25 to 70 percent slopes	4,364	0.2
383F	Delpoint-Cabbart-Yawdim complex, 25 to 70 percent slopes	41,090	1.7
385E	Delpoint-Yamacall-Cabbart loams, 8 to 25 percent slopes	37,823	1.6
386F	Cabbart-Rock Outcrop-Delpoint complex, 15 to 50 percent slopes	50,023	2.1
387D	Delpoint-Busby-Blacksheep complex, 4 to 15 percent slopes	5,876	0.2
388D	Delpoint-Kobase-Yawdim complex, 4 to 15 percent slopes	1,108	*
421A	Gerdrum-Creed complex, 0 to 2 percent slopes	1,131	*
421C	Gerdrum-Creed complex, 2 to 8 percent slopes	5,228	0.2
421D	Gerdrum-Creed complex, 4 to 15 percent slopes, gullied	20,452	0.8
432D	Slickspots-Abor complex, 2 to 12 percent slopes	238	*
451A	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded	7,462	0.3
452A	Glendive loam, 0 to 2 percent slopes, rarely flooded	4,055	0.2
453A	Glendive-Havre complex, 0 to 2 percent slopes, occasionally flooded	4,706	0.2
456A	Havre and Glendive soils, channeled, 0 to 2 percent slopes, frequently flooded	12,443	0.5
461A	Hanly loamy fine sand, 0 to 2 percent slopes, occasionally flooded	514	*
462A	Hanly-Glendive complex, 0 to 2 percent slopes, nonflooded	2,960	0.1
471A	Harlake silty clay, 0 to 2 percent slopes, occasionally flooded	4,202	0.2
473A	Lallie silty clay, 0 to 2 percent slopes	1,135	*
481A	Havre loam, 0 to 2 percent slopes, occasionally flooded	13,968	0.6
483A	Havre silty Clay, 0 to 2 percent slopes, occasionally flooded	2,190	*
486A	Glendive-Havre complex, 0 to 2 percent slopes, nonflooded	5,931	0.2
487A	Havre-Harlake complex, 0 to 2 percent slopes, nonflooded	1,244	*
488A	Havre silty clay loam, 0 to 2 percent slopes, occasionally flooded	6,205	0.3
489A	Spinekop silty clay loam, 0 to 2 percent slopes	11,856	0.5
491A	Ismay silty clay loam, 0 to 2 percent slopes, occasionally flooded	3,908	0.2
501C	Kremlin-Delpoint loams, 2 to 8 percent slopes	6,285	0.3
511C	Shambo-Doney loams, 2 to 8 percent slopes	6,204	0.3
531D	Kobase silty clay loam, 2 to 15 percent slopes, gullied	6,620	0.3
532C	Kobase-Gerdrum silty clay loams, 2 to 8 percent slopes	11,162	0.5
534C	Marias Clay, 2 to 8 percent slopes	823	*

Acreage and Proportionate Extent of the Soils (Continued)

Map Symbol	Soil Name	Acres	Percent
542E	Lihen-Yetull complex, 8 to 35 percent slopes	345	*
552D	Neldore-Abor-Marvan complex, 2 to 15 percent slopes	4,389	0.2
554E	Delpoint-Weingart complex, 4 to 25 percent slopes	4,529	0.2
561C	Cherry-Cambert silt loams, 2 to 8 percent slopes	6,991	0.3
562D	Cherry-Cambert-Cabba silt loams, 8 to 15 percent slopes	15,729	0.6
573D	Lonna, Cambeth, And Yamacall soils, gullied, 8 to 15 percent slopes	10,502	0.4
574E	Lonna-Cambeth-Cabbart silt loams, 12 to 25 percent slopes	44,266	1.8
575C	Lonna-Cambeth silt loams, 2 to 8 percent slopes	37,553	1.5
576A	Lonna silty clay loam, 0 to 2 percent slopes	830	*
576C	Lonna silty clay loam, 2 to 8 percent slopes	1,812	*
577D	Lonna-Cambeth-Cabbart silt loams, 4 to 12 percent slopes	48,267	2.0
581C	Ivanell-Cabbart silt loams, 2 to 8 percent slopes	358	*
602C	Bonfri loam, 2 to 8 percent slopes	15	*
603D	Busby fine sandy loam, 8 to 15 percent slopes	8	*
604E	Busby, Gullied-Delpoint-Yawdim complex, 8 to 25 percent slopes	12	*
605D	Cabbart-Cambeth silt loams, 8 to 15 percent slopes	191	*
607C	Cambeth-Cabbart silt loams, 2 to 8 percent slopes	27	*
608C	Chinook sandy loam, 2 to 8 percent slopes	17	*
612F	Kirby-Blacksheep-Rock Outcrop complex, 25 to 60 percent slopes	32	*
613C	Kremlin-Cabbart complex, 2 to 8 percent slopes	52	*
615C	Yamacall-Havre loams, 2 to 8 percent slopes	78	*
621B	Marvan-Vanda silty clays, 0 to 4 percent slopes	5,544	0.2
631F	Bitton-Cabba-Ringling complex, 25 to 70 percent slopes	11,889	0.5
641D	Pinehill-Absher complex, 2 to 15 percent slopes	4,674	0.2
650F	Armells-Delpoint-Cabbart complex, 25 to 70 percent slopes	289	*
651C	Busby-Twilight-Blacksheep fine sandy loams, 2 to 8 percent slopes	9	*
652C	Chinook fine sandy loam, alkali substratum, 2 to 8 percent slopes	13	*
653B	Davidell loam, 2 to 4 percent slopes	199	*
654B	Eapa loam, 0 to 4 percent slopes	295	*
656A	Gerdrum clay loam, 0 to 2 percent slopes	5	*
657C	Gerdrum clay loam, 2 to 8 percent slopes	46	*
658C	Gerdrum-Marvan silty clays, 2 to 8 percent slopes	25	*
659A	Glendive loam, 0 to 2 percent slopes, occasionally flooded	12	*
660A	Hanly-Glendive loams, 0 to 2 percent slopes, occasionally flooded	8	*
661A	Havre silty clay loam, saline, 0 to 2 percent slopes, frequently flooded	87	*
662F	Neldore-Abor silty clays, 25 to 60 percent slopes	90	*
663F	Neldore-Abor-Rock outcrop complex, 8 to 35 percent slopes	506	*
664F	Neldore-Rock outcrop complex, 15 to 60 percent slopes	156	*
665F	Tinsley-Cabbart complex, 15 to 45 percent slopes	407	*
666C	Neldore-Volborg, saline complex, 1 to 8 percent slopes	128	*
667E	Weingart-Neldore complex, 4 to 25 percent slopes	32	*
668A	Zatoville silty clay loam, loamy substratum, 0 to 2 percent slopes	3	*
681A	Rivra complex, 0 to 2 percent slopes, occasionally flooded	2,002	*
691F	Rock outcrop-Cabbart-Kirby complex, 25 to 70 percent slopes	5,525	0.2
701E	Lamedeer-Broadus-Ringling complex, 15 to 25 percent slopes	25,441	1.0
702F	Lamedeer-Cabba-Ringling complex, 25 to 70 percent slopes	30,901	1.3
731E	Cambert-Cabba-Ringling complex, 8 to 45 percent slopes	5,694	0.2
732C	Cambert-Widen complex, 2 to 8 percent slopes	6,097	0.3
732D	Cambert-Widen complex, 8 to 15 percent slopes	12,957	0.5
733E	Cambert-Cabba-Widen complex, 15 to 25 percent slopes	42,669	1.8
734E	Cambert-Cherry-Cabba silt loams, 12 to 25 percent slopes	25,134	1.0
742E	Neldore-Abor silty Clays, 4 to 25 percent slopes	8,600	0.4
781A	Vanda Clay, Wet, 0 to 2 percent slopes	278	*
797E	Yamacall-Busby-Blacksheep complex, 8 to 25 percent slopes	20,845	0.9
798C	Yamacall-Delpoint loams, 2 to 8 percent slopes	14,767	0.6
799E	Yamacall-Birney-Delpoint complex, 15 to 25 percent slopes	5,254	0.2
802E	Shambo-Lisk-Dast complex, 8 to 25 percent slopes	12,425	0.5
811C	Creed-Pinehill loams, 2 to 8 percent slopes	2,786	0.1
813C	Creed-Absher complex, 2 to 8 percent slopes	1,652	*
831F	Doney-Cabba-Wayden complex, 25 to 70 percent slopes	3,055	0.1
832E	Doney-Macar-Cabba loams, 15 to 25 percent slopes	14,173	0.6
841F	Birney, Moist-Armells-Cabbart complex, 25 to 70 percent slopes	43	*

Acreage and Proportionate Extent of the Soils (Continued)

Map Symbol	Soil Name	Acres	Percent
842F	Cabbart-Yawdim-Rock outcrop complex, 15 to 70 percent slopes	869	*
843E	Delpoint, Moist-Delpoint-Cabbart loams, 15 to 25 percent slopes	116	*
844A	Havre, Harlake, and Glendive soils, channeled, 0 to 2 percent slopes	909	*
845C	Ivanell-Davidell complex, 2 to 8 percent slopes	28	*
846F	Blacksheep-Delpoint-Rock outcrop complex, 15 to 50 percent slopes	513	*
847E	Busby-Yetull-Rock outcrop complex, 8 to 25 percent slopes	1	*
862E	Doney-Lamedeer-Cabba complex, 8 to 25 percent slopes	5,942	0.2
862F	Doney-Lamedeer-Cabba complex, 25 to 70 percent slopes	14,805	0.6
871C	Morton-Farland silt loams, 2 to 8 percent slopes	2,228	*
891D	Yamacall-Birney-Delpoint complex, 4 to 15 percent slopes	6,622	0.3
892D	Yamacall-Delpoint-Cabbart loams, 4 to 15 percent slopes	23,962	1.0
901A	Sonnett-Sonnett, thin surface, complex, 0 to 2 percent slopes	26,271	1.1
901C	Sonnett-Sonnett, thin surface, complex, 2 to 8 percent slopes	102,747	4.2
902C	Sonnett, thin surface-Slickspots complex, 0 to 8 percent slopes	14,150	0.6
910B	Antwerp silty clay loam, 0 to 4 percent slopes	63	*
911F	Armells-Cabbart complex, 25 to 70 percent slopes	351	*
912F	Armells-Kirby complex, 25 to 70 percent slopes	137	*
913D	Birney-Cooers-Kirby complex, 2 to 15 percent slopes	24	*
914D	Bullock, eroded-Ralore clay loams, 2 to 15 percent slopes	108	*
916E	Busby-Twilight-Blacksheep, fine sandy loams, 8 to 25 percent slopes	177	*
917D	Cambeth-Cabbart silt loams, 4 to 15 percent slopes	1,743	*
918E	Cambeth-Cabbart complex, dissected, 8 to 25 percent slopes	656	*
919F	Delpoint-Cabbart loams, 25 to 70 percent slopes	287	*
921F	Twilight-Blacksheep-Busby fine sandy loams, 8 to 45 percent slopes	6,513	0.3
931C	Ralph-Brushton silt loams, 2 to 8 percent slopes	6,872	0.3
940E	Delpoint-Yamacall-Cabbart loams, 8 to 25 percent slopes	662	*
941C	Gerdrum-Kobase silty clay loams, 2 to 8 percent slopes	159	*
942A	Harlake silty clay loam, 0 to 2 percent slopes, occasionally flooded	8	*
943F	Kirby-Cabbart-Rock outcrop complex, 25 to 70 percent slopes	504	*
944E	Kobase-Cabbart-Yawdim complex, 8 to 25 percent slopes	818	*
945A	Lonna-Alona silt loams, 0 to 2 percent slopes	13	*
945C	Lonna-Alona silt loams, 2 to 8 percent slopes	23	*
946A	Lonna-Antwerp silty clay loams, 0 to 2 percent slopes	157	*
946C	Lonna-Antwerp silty clay loams, 2 to 8 percent slopes	113	*
947E	Lonna-Cabbart-Yawdim complex, 8 to 25 percent slopes	20	*
948B	Rominell fine sandy loam, 1 to 4 percent slopes, eroded	130	*
949E	Tinsley very gravelly sandy loam, 15 to 35 percent slopes	27	*
951C	Vanstel loam, 2 to 8 percent slopes	113	*
952D	Yamacall-Birney complex, 8 to 15 percent slopes	17	*
953E	Yamacall-Birney-Cabbart complex, 15 to 25 percent slopes	67	*
954C	Yamacall-Busby complex, 2 to 8 percent slopes	137	*
954D	Yamacall-Busby complex, 8 to 15 percent slopes	164	*
955D	Yamacall-Delpoint loams, 4 to 15 percent slopes	113	*
956F	Yawdim-Cabbart-Kobase complex, 15 to 70 percent slopes	188	*
957E	Abor-Cabbart-Delpoint complex, 8 to 25 percent slopes	397	*
958D	Abor-Delpoint-Kobase complex, 4 to 15 percent slopes	282	*
959D	Abor-Weingart-Neldore complex, 2 to 15 percent slopes	102	*
960A	Busby loam, 0 to 2 percent slopes	61	*
961C	Busby-Yetull complex, 0 to 8 percent slopes	174	*
962F	Cambert-Bigsheep-Golva complex, 8 to 45 percent slopes	23	*
963E	Cambeth, calcareous-Cabbart-Lonna silt loams, 15 to 35 percent slopes	73	*
964E	Cambeth, calcareous-Cabbart-Yawdim complex, 4 to 25 percent slopes	574	*
965C	Chinook-Twilight fine sandy loams, 2 to 8 percent slopes	525	*
966D	Chinook-Twilight-Blacksheep fine sandy loams, 8 to 15 percent slopes	433	*
967E	Delpoint-Cabbart-Yawdim complex, 4 to 25 percent slopes	75	*
968E	Delpoint-Yamacall-Cabbart loams, 8 to 25 percent slopes	243	*
969C	Eapa-Delpoint loams, 2 to 8 percent slopes	90	*
971E	Lisk-Cohagen-Dast fine sandy loams, 8 to 25 percent slopes	3,967	0.2
981C	Macar-Doney loams, 2 to 8 percent slopes	5,608	0.2
982D	Macar-Doney-Cabba loams, 8 to 15 percent slopes	10,886	0.4
983E	Macar-Lisk-Cohagen complex, 8 to 25 percent slopes	6,829	0.3
990E	Lihen-Tinsley complex, 8 to 35 percent slopes	27	*

Acreage and Proportionate Extent of the Soils (Continued)

Map Symbol	Soil Name	Acres	Percent
991F	Neldore-Rock Outcrop-Abor complex, 15 to 50 percent slopes	2,180	*
992C	Parshall fine sandy loam, 2 to 6 percent slopes	97	*
993C	Pinehill-Weingart-Gerdrum complex, 0 to 6 percent slopes	60	*
994E	Cabbart-Bullock, eroded complex, 2 to 25 percent slopes	378	*
995C	Yamacall-Gerdrum complex, 2 to 8 percent slopes	85	*
996A	Yetull-Busby complex, 0 to 2 percent slopes	21	*
4621A	Hanly-Glendive complex, 0 to 2 percent slopes, occasionally flooded	10,382	0.4
4861A	Glendive-Havre silty clay loams, 0 to 2 percent slopes, nonflooded	1,014	*
4871A	Havre-Harlake complex, 0 to 2 percent slopes, occasionally flooded	5,248	0.2
4881A	Havre loam, 0 to 2 percent slopes, rarely flooded	9,655	0.4
M-W	Miscellaneous Water	162	*
DA	Denied Access	55,548	2.3
W	Water	11,893	0.5
	Total	2,428,500	100.0

* Less than 0.1 percent.

Agronomy

General management needed for crops and for hay and pasture is suggested in this section. The system of land capability classification used by the Natural Resources Conservation Service is explained, and the estimated yields of the main crops and hay and pasture plants are listed for each soil.

Planners of management systems for individual fields or farms should consider obtaining specific information from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Cropland Limitations and Hazards

The management concerns affecting the use of the detailed soil map units in the survey area for crops are shown in the table "Main Cropland Limitations and Hazards." The main concerns in managing nonirrigated cropland are conserving moisture, controlling soil blowing and erosion by water, and maintaining soil fertility.

Conserving moisture consists primarily of reducing the evaporation and runoff rates and increasing the water infiltration rate. Applying conservation tillage and conservation cropping systems, farming on the contour, stripcropping, establishing field windbreaks, and leaving crop residue on the surface conserve moisture.

Generally, a combination of several practices is needed to control *soil blowing* and *erosion by water.* Conservation tillage, stripcropping, field windbreaks, tall grass barriers, contour farming, conservation cropping systems, crop residue management, diversions, and grassed waterways help to prevent excessive soil loss.

Measures that are effective in maintaining *soil fertility* include applying fertilizer, both organic and inorganic, including manure; incorporating crop residue or green manure crops into the soil; and using proper crop rotations. Controlling erosion helps to prevent the loss of organic matter and plant nutrients and thus helps to maintain productivity, although the level of fertility can be reduced even in areas where erosion is controlled. All soils used for nonirrigated crops respond well to applications of fertilizer.

Some of the limitations and hazards shown in the table cannot be easily overcome. These are *channels, flooding, depth to rock, ponding, gullies* and *lack of timely precipitation.*

Additional limitations and hazards are as follows:

Areas of rock outcrop and slick spots.—Farming around these areas may be feasible. Subsoiling or deep ripping soft sedimentary beds increases the effective rooting depth and the rate of water infiltration.

Excessive permeability.—This limitation causes deep leaching of nutrients and pesticides. The capacity of the soil to retain moisture for plant use is poor.

Potential for ground-water pollution.—This is a hazard in soils with excessive permeability, hard bedrock, or a water table within the profile.

Lime content, limited available water capacity, poor tilth, restricted permeability, and *surface crusting.*—These limitations can be overcome by incorporating green manure crops, manure, or crop residue into the soil; applying a system of conservation tillage; and using conservation cropping systems. Also, crops may respond well to additions of phosphate fertilizer to soils that have a high content of lime.

Short frost-free period.—If the growing season is less than 90 days, short-season crops or grasses should be grown.

Surface rock fragments.—This limitation causes rapid wear of tillage equipment. It cannot be easily overcome.

Slope.—Where the slope is more than 8 percent, erosion by water and soil blowing may be accelerated unless conservation farming practices are applied.

Surface stones.—Stones or boulders on the surface can hinder normal tillage unless they are removed.

Salt and sodium content.—In areas where this is a limitation, only salt- and sodium-tolerant crops should be grown.

On irrigated soils the main management concerns are *efficient water use, nutrient management, control of erosion, pest and weed control,* and *timely planting and*

harvesting for a successful crop. An irrigation system that provides optimum control and distribution of water at minimum cost is needed. Overirrigation wastes water, leaches plant nutrients, and causes erosion. Also, it can create drainage problems, raise the water table, and increase soil salinity.

Following is an explanation of the criteria used to determine the limitations or hazards.

Areas of rock outcrop.—Rock outcrop is a named component of the map unit.

Areas of rubble land.—Rubble land is a named component of the map unit.

Areas of slick spots.—Slick spots are a named component of the map unit.

Channeled.—The word "channeled" is included in the name of the map unit.

Depth to rock.—Bedrock is within a depth of 40 inches.

Water erosion.—The surface K factor multiplied by the upper slope limit is more than 2 (same as prime farmland criteria).

Excessive permeability.—The upper limit of the permeability range is 6 inches or more within the soil profile.

Flooding.—The component of the map unit is occasionally flooded or frequently flooded.

Gullied.—The word "gullied" is included in the name of the map unit.

Lack of timely precipitation.—The component of the map unit has a Xeric moisture regime. The amount of annual precipitation is no more than 14 inches.

Lime content.—The component is assigned to wind erodibility group 4L or has more than 5 percent lime in the upper 10 inches.

Limited available water capacity.—The available water capacity calculated to a depth of 60 inches or to a root-limiting layer is 5 inches or less.

Ponding.—Ponding duration is assigned to the component of the map unit.

Potential for ground-water pollution.—The soil has a water table within a depth of 4 feet or hard bedrock within the profile, or permeability is more than 6 inches per hour within the soil.

Poor tilth.—The component of the map unit has more than 35 percent clay in the surface layer.

Restricted permeability.—Permeability is 0.06 inch per hour or less within the soil profile.

Salt content.—The component of the map unit has an electrical conductivity of more than 4 in the surface layer or more than 8 within a depth of 30 inches.

Short frost-free period.—The map unit has a growing season of less than 90 frost-free days.

Slope.—The upper slope range of the component of the map unit is more than 8 percent.

Sodium content.—The sodium adsorption ratio of the component of the map unit is more than 13 within a depth of 30 inches.

Soil blowing.—The wind erodibility index multiplied by the selected high C factor for the survey area and then divided by the T factor is more than 8 for the component of the map unit.

Surface rock fragments.—The terms describing the texture of the surface layer include any rock fragment modifier except for gravelly or channery, and "surface stones" is not already indicated as a limitation.

Surface crusting.—The sodium adsorption ratio in the surface layer is 5 or more for any texture and 4 or more if the texture is silt, silt loam, loam, or very fine sandy loam.

Surface stones.—The terms describing the texture of the surface layer include any stony or bouldery modifier, or the soil is a stony or bouldery phase.

Water table.—The component of the map unit has a water table within a depth of 60 inches.

Crop Yield Estimates

The average yields per acre that can be expected of the principal crops under a high level of management are shown in the table "Land Capability and Yields per Acre of Crops." In any given year, yields may be higher or lower than those indicated in the table because of variations in rainfall and other climatic factors. The land capability classification of each map unit also is shown in the table.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations are also considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss. Yields for dryland crops are based on an alternate crop-fallow system.

For yields of irrigated crops, it is assumed that the irrigation system is adapted to the soils and to the crops grown, that good-quality irrigation water is

uniformly applied as needed, and that tillage is kept to a minimum.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Crops other than those shown in the table are grown in the survey area, but estimated yields are not listed because the acreage of such crops is small. The local office of the Natural Resources Conservation Service or of the Cooperative Extension Service can provide information about the management and productivity of the soils for those crops.

Pasture and Hayland Interpretations

Soils are assigned to pasture and hayland groups according to their suitability for the production of forage. The soils in each group are similar enough to be suited to the same species of grasses or legumes, have similar limitations and hazards, require similar management, and have similar productivity levels and other responses to management.

Under good management, proper grazing is essential for the production of high-quality forage, stand survival, and erosion control. Proper grazing helps plants to maintain sufficient and generally vigorous top growth during the growing season. Brush control is essential in many areas, and weed control generally is needed. Rotation grazing and renovation also are important management practices.

Yield estimates are often provided in animal unit months (AUM), or the amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

The local office of the Natural Resources Conservation Service or of the Cooperative Extension Service can provide information about forage yields other than those shown in the table "Land Capability and Yields per Acre of Crops and Pasture."

Land Capability Classification

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not take into account major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for woodland, and for engineering purposes.

In the capability system, as described in "Land Capability Classification," (USDA-SCS, 1961) soils generally are grouped at three levels: capability class, subclass, and unit. These levels indicate the degree and kinds of limitations affecting mechanized farming systems that produce the more commonly grown field crops, such as corn, small grain, cotton, hay, and field-grown vegetables. Only class and subclass are used in this survey.

Capability classes the broadest groups, are designated by numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use.

If properly managed, soils in classes 1, 2, 3, and 4 are suitable for the mechanized production of commonly grown field crops and for pasture and woodland. The degree of the soil limitations affecting the production of cultivated crops increases progressively from class 1 to class 5. The limitations can affect levels of production and the risk of permanent soil deterioration caused by erosion and other factors.

Soils in classes 5, 6, and 7 are generally not suited to the mechanized production of commonly grown field crops without special management, but they are suitable for plants that provide a permanent cover, such as grasses and trees. The severity of the soil limitations affecting crops increases progressively from class 5 to class 7. The local office of the Cooperative Extension Service or the Natural Resources Conservation Service can provide guidance on the use of these soils as cropland.

Areas in class 8 are generally not suitable for crops, pasture, or woodland without a level of management that is impractical. These areas may have potential for other uses, such as recreational facilities and wildlife habitat.

Capability subclasses indicate the dominant limitations in the class. They are designated by adding a small letter, *e, w, s,* or *c*, to the class numeral, for example, 2e. The letter *e* shows that the main hazard is the risk of erosion unless a close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly

because it is shallow, droughty, or stony; and *c*, used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

There are no subclasses in class 1 because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by *w, s,* or *c* because the soils in class 5 are subject to little or no erosion. They have other limitations that restrict their use mainly to pasture, rangeland, woodland, wildlife habitat, or recreation.

The capability classification of each map unit is given in the table "Land Capability and Yields per Acre of Crops and Pasture" at the end of this section.

Prime Farmland and Other Important Farmland

In this section, prime farmland and other important farmland are defined. The soils in the survey area that are considered prime farmland are listed in the table "Prime Farmland" at the end of this section.

Prime Farmland

Prime farmland is of major importance in meeting the Nation's short- and long-range needs for food and fiber. The acreage of high-quality farmland is limited, and the U.S. Department of Agriculture recognizes that government at local, State, and Federal levels, as well as individuals, must encourage and facilitate the wise use of our Nation's prime farmland.

Prime farmland soils, as defined by the U.S. Department of Agriculture, are soils that are best suited to food, feed, forage, fiber, and oilseed crops. Such soils have properties that favor the economic production of sustained high yields of crops. The soils need only to be treated and managed by acceptable farming methods. An adequate moisture supply and a sufficiently long growing season are required. Prime farmland soils produce the highest yields with minimal expenditure of energy and economic resources, and farming these soils results in the least damage to the environment.

Prime farmland soils may presently be used as cropland, pasture, or woodland or for other purposes. They either are used for food and fiber or are available for these uses. Urban or built-up land, public land, and water areas cannot be considered prime farmland. Urban or built-up land is any contiguous unit of land 10 acres or more in size that is used for such purposes as housing, industrial, and commercial sites, sites for institutions or public buildings, small parks, golf courses, cemeteries, railroad yards, airports, sanitary landfills, sewage treatment plants, and water-control structures. Public land is land not available for farming in National forests, National parks, military reservations, and State parks.

Prime farmland soils commonly receive an adequate and dependable supply of moisture from precipitation or irrigation. The temperature and growing season are favorable, and the level of acidity or alkalinity and the content of salts and sodium are acceptable. The soils have few, if any, rocks and are permeable to water and air. They are not excessively erodible or saturated with water for long periods, and they are not frequently flooded during the growing season or are protected from flooding. Slopes range mainly from 0 to 6 percent.

Soils that have a high water table, are subject to flooding, or are droughty may qualify as prime farmland where these limitations are overcome by drainage measures, flood control, or irrigation. Onsite evaluation is necessary to determine the effectiveness of corrective measures. More information about the criteria for prime farmland can be obtained at the local office of the Natural Resources Conservation Service.

A recent trend in land use has been the conversion of prime farmland to urban and industrial uses. The loss of prime farmland to other uses puts pressure on lands that are less productive than prime farmland.

The map units in the survey area that meet the requirements for prime farmland are listed in the table "Prime Farmland." On the soils included in the table, measures that overcome limitations are needed. The need for these measures is indicated in parentheses after the map unit name. The location of each map unit is shown on the detailed soil maps at the back of this publication. The soil qualities that affect use and management are described in the section "Soil Series and Detailed Soil Map Units." This list does not constitute a recommendation for a particular land use.

Unique Farmland

Unique farmland is land other than prime farmland that is used for the production of specific high-value food and fiber crops. It has the special combination of soil qualities, location, growing season, and moisture supply needed for the economic production of sustained high yields of a specific high-quality crop when treated and managed by acceptable farming methods. Examples of such crops are citrus, tree nuts, olives, cranberries, and vegetables.

Unique farmland is used for a specific high-value food or fiber crop; has an adequate supply of available moisture for the specific crop because of stored

moisture, precipitation, or irrigation; and has a combination of soil qualities, growing season, temperature, humidity, air drainage, elevation, aspect, and other factors, such as nearness to markets, that favors the production of a specific food or fiber crop.

Lists of unique farmland are developed as needed in cooperation with conservation districts and others.

Additional Farmland of Statewide Importance

Some areas other than areas of prime and unique farmland are of statewide importance in the production of food, feed, fiber, forage, and oilseed crops. The criteria used in defining and delineating these areas are determined by the appropriate State agency or agencies. Generally, additional farmland of statewide importance includes areas that nearly meet the criteria for prime farmland and that economically produce high yields of crops when treated and managed by acceptable farming methods. Some areas can produce as high a yield as areas of prime farmland if conditions are favorable. In some states additional farmland of statewide importance may include tracts of land that have been designated for agriculture by State law.

A list of this land has not been maintained for Montana and thus is not presently available.

Additional Farmland of Local Importance

This land consists of areas that are of local importance in the production of food, feed, fiber, forage, and oilseed crops and are not identified as having national or statewide importance. Where appropriate, this land is identified by local agencies. It may include tracts of land that have been designated for agriculture by local ordinance.

Lists of this land are developed as needed in cooperation with conservation districts and others.

Erosion Factors

Soil erodibility (K) and soil-loss tolerance (T) factors are used in an equation that predicts the amount of soil lost through erosion by water in areas of cropland. The procedure for predicting soil loss is useful in guiding the selection of soil and water conservation practices.

Soil Erodibility (K) Factor

The soil erodibility factor (K) indicates the susceptibility of a soil to sheet and rill erosion by water. The soil properties that influence erodibility are those that affect the infiltration rate, the movement of water through the soil, and the water storage capacity of the soil and those that allow the soil to resist dispersion, splashing, abrasion, and the transporting forces of rainfall and runoff. The most important soil properties are the content of silt plus very fine sand, the content of sand coarser than very fine sand, the content of organic matter, soil structure, and permeability.

Fragment-Free Soil Erodibility (Kf) Factor

This is one of the factors used in the revised Universal Soil Loss Equation. It shows the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Soil-Loss Tolerance (T) Factor

The soil-loss tolerance factor (T) is an estimate of the maximum annual rate of soil erosion that can occur over a sustained period without affecting crop productivity. The rate is expressed in tons of soil loss per acre per year. Ratings of 1 to 5 are used, depending on soil properties and prior erosion. The criteria used in assigning a T factor to a soil include maintenance of an adequate rooting depth for crop production, potential reduction of crop yields, maintenance of water-control structures affected by sedimentation, prevention of gullying, and the value of nutrients lost through erosion.

Wind Erodibility Groups

Wind erodibility is directly related to the percentage of dry, nonerodible surface soil aggregates larger than 0.84 millimeter in diameter. From this percentage, the wind erodibility index factor (I) is determined. This factor is an expression of the stability of the soil aggregates, or the extent to which they are broken down by tillage and the abrasion caused by windblown soil particles. Soils are assigned to wind erodibility groups (WEG) having similar percentages of dry soil aggregates larger than 0.84 millimeter.

Additional information about wind erodibility groups and K, Kf, T, and I factors can be obtained from local offices of the Natural Resources Conservation Service or the Cooperative Extension Service.

Windbreaks and Environmental Plantings

Windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low- and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility

of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, and provide food and cover for wildlife.

Environmental plantings help to beautify and screen houses and other buildings and to abate noise. The plants, mostly evergreen shrubs and trees, are closely spaced. To ensure plant survival, a healthy planting stock of suitable species should be planted properly on a well prepared site and maintained in good condition.

Windbreaks are often planted on land that did not originally support trees. Knowledge of how trees perform on such land can be gained only by observing and recording the performance of trees that have been planted and have survived. Many popular windbreak species are not indigenous to the areas in which they are planted.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters, a tree or shrub may grow well or grow poorly, depending on the characteristics of the soil. Each tree or shrub has definable potential heights in a given physiographic area and under a given climate. Accurate definitions of potential heights are necessary when a windbreak is planned and designed.

The table "Windbreak Suitability Group Species" shows the height that locally grown trees and shrubs are expected to reach in 20 years on soils in each windbreaks suitability group. The estimates in this table are based on measurements and observation of established plantings that have been given adequate care. They can be used as a guide in planning windbreaks and screens. Additional information on planning windbreaks and screens and planting and caring for trees and shrubs can be obtained from local offices of the Natural Resources Conservation Service or the Cooperative Extension Service or from a nursery.

Windbreak Suitability Groups

Windbreak suitability groups consist of soils in which the kinds and degrees of the hazards and limitations that affect the survival and growth of trees and shrubs in windbreaks are about the same. These groups are listed for each soil suitable for windbreak development in the survey area; see the table "Windbreak Suitability Groups" at the end of this section. They are described in the following paragraphs.

Group 1 consists of soils that have no soil-related hazards or limitations or only slight hazards or limitations if they are used for windbreaks. Slopes are less than 15 percent.

Group 2M consists of soils that have a moderate available water capacity (5 to 10 inches) because of texture, depth, or both. The soils are well drained and are not affected by salinity. A layer of concentrated lime, if it occurs, is below a depth of 24 inches. Slopes are less than 15 percent.

Group 2L consists of soils that have a layer of concentrated lime (more than 15 percent calcium carbonate equivalent) at a depth of about 15 to 24 inches. The available water capacity is at least 5 inches. The soils are well drained and are not affected by salinity or alkalinity (the electrical conductivity is less than 4 millimhos per centimeter). Slopes are less than 15 percent.

Group 2W consists of soils that have an available water capacity of 5 inches or more. If the soils have a layer of concentrated lime, the layer is below a depth of 15 inches. The depth to a permanent water table is 30 to 60 inches. The soils are not affected by salinity. Slopes are less than 15 percent.

Group 2S consists of soils that are moderately affected by salinity (the electrical conductivity is 4 to 12 millimhos per centimeter). The available water capacity is at least 5 inches. A layer of concentrated lime, if it occurs, is at a depth of 15 inches or more. The water table is at a depth of 30 inches or more. Slopes are less than 15 percent.

Group 3M consists of soils that have an available water capacity of 2 to 5 inches because of texture, depth, or both. A layer of concentrated lime, if it occurs, is at a depth of 15 inches or more. The soils are well drained and are not affected by salinity (the electrical conductivity is less than 4 millimhos per centimeter).

Group 3L consists of soils that have a layer of concentrated lime (more than 15 percent calcium carbonate equivalent) at a depth of less than 15 inches. A permanent water table is at a depth of more than 30 inches. The available water capacity is more than 5 inches. The soils are not affected by salinity (the electrical conductivity is less than 4 millimhos per centimeter). Slopes are less than 15 percent.

Group 3W consists of soils that have an available water capacity of 2 inches or more. If the soils have a layer of concentrated lime, the layer is below a depth of 15 inches. The depth to a permanent water table is 30 inches or less. It is more than 10 inches during all or most of the growing season. The soils are not affected by salinity. Slopes are less than 15 percent.

Group 3S consists of soils that are severely affected by salinity or alkalinity (the electrical conductivity is 12 to 16 millimhos per centimeter). The

available water capacity is 5 inches or more. A layer of concentrated lime, if it occurs, is at a depth of more than 15 inches. A permanent water table is at a depth of 30 inches or more. Slopes are less than 15 percent.

Group 4 consists of soils that have slopes of more than 15 percent, except for those in areas where the length of the slopes is 100 feet or less, and the less sloping soils that have very severe limitations, including soils that have a very low available water capacity (2 inches or less); very shallow, stony, or gravelly soils; strongly saline and alkali soils, in which the electrical conductivity is more than 16 millimhos per centimeter; and soils that have a pH of more than 9.0. Rock outcrop also is in this group.

Main Cropland Limitations and Hazards

(See text for a description of the limitations and hazards listed in this table)

Soil name and map symbol	Cropland limitations or hazards
3F:	
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
Yawdim	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
12E:	
Wabek	Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
14B:	
Alona	Lime content Salt content Sodium content Surface crusting
17F:	
Badland	Nonsoil material
18E:	
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Havre	Areas of rock outcrop Flooding
19C:	
Archin	Sodium content Soil blowing Water erosion
21C:	
Benz	Lime content Salt content Sodium content Surface crusting Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
24B:	
Davidell	Lime content Salt content Sodium content
25A:	
Marias	Lime content Poor tilth Restricted permeability Soil blowing
27A:	
Busby	Lime content Soil blowing
27C:	
Busby	Lime content Soil blowing
30C:	
Yamacall	Water erosion
Havre	Flooding
31A:	
Ryell	Excessive permeability Lime content Potential for groundwater pollution Soil blowing
33A:	
Chanta	Excessive permeability Potential for groundwater pollution Soil blowing
34C:	
Tally	Soil blowing
35C:	
Chinook	Soil blowing
37B:	
Degrand	Excessive permeability Potential for groundwater pollution Soil blowing
39A:	
Ethridge	None
39C:	
Ethridge	Water erosion
40A:	
Savage	None
40C:	
Savage	Water erosion
41A:	
Eapa	None

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
41C:	
Eapa	None
43F:	
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
Lilsheep	Lime content Limited available water capacity Slope Soil blowing Surface rock fragments Water erosion
44A:	
Farnuf	None
44C:	
Farnuf	None
45A:	
Glendive	Lime content Soil blowing
46A:	
Hanly	Excessive permeability Potential for groundwater pollution Soil blowing
47A:	
Harlake	Lime content Poor tilth Soil blowing
50C:	
Kremlin	Water erosion
51C:	
Shambo	Water erosion
52A:	
Sagedale	Poor tilth
52C:	
Sagedale	Poor tilth Water erosion
53A:	
Kobase	Lime content Poor tilth
53C:	
Kobase	Lime content Poor tilth Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
53D:	
Kobase	Lime content Poor tilth Slope Water erosion
56A:	
Cherry	Lime content
56C:	
Cherry	Lime content Water erosion
57A:	
Lonna	Lime content Soil blowing
57C:	
Lonna	Lime content Soil blowing Water erosion
59C:	
Farland	Water erosion
60A:	
Golva	Lime content
60C:	
Golva	Lime content Water erosion
61A:	
Marias	Lime content Poor tilth Restricted permeability Soil blowing
62A:	
Marvan	Lime content Poor tilth Restricted permeability Soil blowing
62C:	
Marvan	Lime content Poor tilth Restricted permeability Soil blowing Water erosion
64A:	
Pinehill	None
64C:	
Pinehill	Water erosion
64D:	
Pinehill	Slope Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
67A:	
Riverwash	Nonsoil material
75C:	
Weingart	Depth to rock
	Lime content
	Limited available water capacity
	Poor tilth
	Restricted permeability
	Salt content
	Sodium content
	Soil blowing
	Surface crusting
	Water erosion
Ivanell	Depth to rock
	Limited available water capacity
	Salt content
	Sodium content
	Soil blowing
	Water erosion
76B:	
Vanstel	None
76C:	
Vanstel	Water erosion
77A:	
Havre	Flooding
Bigsandy	Flooding
	Lime content
	Potential for groundwater pollution
	Water table
79A:	
Yamacall	None
79C:	
Yamacall	Water erosion
79D:	
Yamacall	Slope
	Water erosion
81A:	
Creed	Salt content
	Sodium content
	Soil blowing
81C:	
Creed	Salt content
	Sodium content
	Soil blowing
	Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
85C:	
Foreleft	Water erosion
88A:	
Floweree	None
88C:	
Floweree	Water erosion
90A:	
Sonnett	None
90C:	
Sonnett	Water erosion
93B:	
Brushton	None
98A:	
Macar	None
98C:	
Macar	Water erosion
112C:	
Absher	Lime content Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
121D:	
Kremlin	Slope Water erosion
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments
Degrand	Excessive permeability Potential for groundwater pollution Soil blowing Water erosion
122D:	
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
122D: (cont.)	
Chanta	Excessive permeability Potential for groundwater pollution Soil blowing Water erosion
123F:	
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
151F:	
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Kirby	Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
191C:	
Archin	Sodium content Soil blowing Water erosion
Gerdrum	Restricted permeability Salt content Sodium content Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
192C:	
Archin	Sodium content Soil blowing Water erosion
Davidell	Lime content Salt content Sodium content Water erosion
Bullock	Depth to rock Lime content Limited available water capacity Salt content Sodium content Soil blowing Water erosion
222D:	
Floweree	Water erosion
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Lilsheep	Lime content Limited available water capacity Slope Soil blowing Water erosion
228F:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Lilsheep	Lime content Limited available water capacity Slope Soil blowing Water erosion
Lonna	Lime content Slope Soil blowing Water erosion
241B:	
Davidell	Lime content Salt content Sodium content
Antwerp	Lime content Salt content Sodium content Surface crusting

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
242C:	
Davidell	Lime content Salt content Sodium content Water erosion
Ivanell	Depth to rock Salt content Sodium content Soil blowing Water erosion
271E:	
Busby	Lime content Slope Soil blowing Water erosion
Blacksheep	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Twilight	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
277D:	
Busby	Lime content Slope Soil blowing Water erosion
Twilight	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
278E:	
Busby	Lime content Slope Soil blowing Water erosion
Yetull	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
293E:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Kirby	Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
296F:	
Cambeth	Areas of rock outcrop Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
297C:	
Cambeth	Depth to rock Lime content Soil blowing Water erosion
Megonot	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
297D:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
297D: (cont.)	
Megonot	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
297E:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
311A:	
Ryell	Excessive permeability Flooding Lime content Potential for groundwater pollution Soil blowing
341D:	
Tally	Slope Soil blowing Water erosion
Vebar	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
342C:	
Tally	Soil blowing
Shambo	Water erosion
352D:	
Chinook	Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
352D: (cont.)	
Twilight	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
353C:	
Chinook	Soil blowing
Kremlin	Water erosion
355C:	
Chinook	Soil blowing
Twilight	Depth to rock Lime content Limited available water capacity Soil blowing
Eapa	None
357D:	
Chinook	Slope Soil blowing Water erosion
Lihen	Excessive permeability Potential for groundwater pollution Slope Soil blowing Water erosion
Twilight	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
361E:	
Doney	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Broadus	Lime content Slope Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
381F:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion
383F:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
385E:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Yamacall	Slope Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
386F:	
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
386F: (cont.)	
Rock outcrop	Nonsoil material
Delpoint	Areas of rock outcrop Depth to rock Lime content Slope Soil blowing Water erosion
387D:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Busby	Lime content Slope Soil blowing Water erosion
Blacksheep	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
388D:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Kobase	Lime content Poor tilth Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
421A:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing
Creed	Salt content Sodium content Soil blowing

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
421C:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
Creed	Salt content Sodium content Soil blowing Water erosion
421D:	
Gerdrum	Gullied Poor tilth Restricted permeability Salt content Slope Sodium content Soil blowing Water erosion
Creed	Gullied Salt content Slope Sodium content Soil blowing Water erosion
432D:	
Slickspots	Nonsoil material
Abor	Areas of slick spots Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
451A:	
Glendive	Flooding Lime content Soil blowing
452A:	
Glendive	Lime content
453A:	
Glendive	Flooding Lime content Soil blowing
Havre	Flooding
456A:	
Havre	Channeled Flooding

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
456A: (cont.)	
Glendive	Channeled Flooding Lime content Soil blowing
461A:	
Hanly	Excessive permeability Flooding Potential for groundwater pollution Soil blowing
462A:	
Hanly	Excessive permeability Potential for groundwater pollution Soil blowing
Glendive	Lime content Soil blowing
471A:	
Harlake	Flooding Lime content Poor tilth Soil blowing
473A:	
Lallie	Flooding Lime content Poor tilth Potential for groundwater pollution Salt content Soil blowing Water table
481A:	
Havre	Flooding
483A:	
Havre	Flooding Poor tilth Soil blowing
486A:	
Glendive	Lime content Soil blowing
Havre	None
487A:	
Havre	None
Harlake	Lime content Poor tilth
488A:	
Havre	Flooding

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
489A:	
Spinekop	Poor tilth
491A:	
Ismay	Flooding Lime content Poor tilth Salt content Sodium content Soil blowing Surface crusting Water table
501C:	
Kremlin	Water erosion
Delpoint	Depth to rock Lime content Soil blowing Water erosion
511C:	
Shambo	Water erosion
Doney	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
531D:	
Kobase	Gullied Lime content Poor tilth Slope Water erosion
532C:	
Kobase	Lime content Poor tilth Water erosion
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
534C:	
Marias	Lime content Poor tilth Restricted permeability Soil blowing Water erosion
542E:	
Lihen	Excessive permeability Potential for groundwater pollution Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
542E: (cont.)	
Yetull	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments
552D:	
Neldore	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Marvan	Lime content Poor tilth Restricted permeability Soil blowing Water erosion
554E:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Weingart	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
561C:	
Cherry	Lime content Water erosion
Cambert	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
562D:	
Cherry	Lime content Slope Water erosion
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
573D:	
Lonna	Gullied Lime content Slope Soil blowing Water erosion
Cambeth	Depth to rock Gullied Lime content Slope Soil blowing Water erosion
Yamacall	Gullied Slope Water erosion
574E:	
Lonna	Lime content Slope Soil blowing Water erosion
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
575C:	
Lonna	Lime content Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
575C: (cont.)	
Cambeth	Depth to rock Lime content Soil blowing Water erosion
576A:	
Lonna	Lime content Soil blowing
576C:	
Lonna	Lime content Soil blowing Water erosion
577D:	
Lonna	Lime content Slope Soil blowing Water erosion
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
581C:	
Ivanell	Depth to rock Salt content Sodium content Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
602C:	
Bonfri	Depth to rock Soil blowing Water erosion
603D:	
Busby	Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
604E:	
Busby	Excessive permeability Gullied Potential for groundwater pollution Slope Soil blowing Water erosion
Delpoint	Depth to rock Gullied Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Gullied Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
605D:	
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
607C:	
Cambeth	Depth to rock Lime content Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
608C:	
Chinook	Soil blowing

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
612F:	
Kirby	Areas of rock outcrop Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
Blacksheep	Areas of rock outcrop Depth to rock Limited available water capacity Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
613C:	
Kremlin	Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
615C:	
Yamacall	Water erosion
Havre	None
621B:	
Marvan	Lime content Poor tilth Restricted permeability Soil blowing
Vanda	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting
631F:	
Bitton	Lime content Slope Soil blowing Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
631F: (cont.)	
Ringling	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
641D:	
Pinehill	Slope Water erosion
Absher	Lime content Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
650F:	
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
651C:	
Busby	Excessive permeability Potential for groundwater pollution Soil blowing
Twilight	Depth to rock Limited available water capacity Soil blowing
Blacksheep	Depth to rock Lime content Limited available water capacity Soil blowing
652C:	
Chinook	Soil blowing

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
653B:	
Davidell	Lime content Salt content Sodium content
654B:	
Eapa	None
656A:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing
657C:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
658C:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
Marvan	Lime content Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
659A:	
Glendive	Flooding Lime content
660A:	
Hanly	Excessive permeability Flooding Limited available water capacity Potential for groundwater pollution
Glendive	Flooding Lime content
661A:	
Havre	Flooding Ponding Poor tilth Salt content Water table

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
662F:	
Neldore	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
663F:	
Neldore	Areas of rock outcrop Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Abor	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
664F:	
Neldore	Areas of rock outcrop Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
665F:	
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
665F: (cont.)	
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
666C:	
Neldore	Depth to rock Limited available water capacity Poor tilth Soil blowing Water erosion
Volborg	Depth to rock Limited available water capacity Poor tilth Salt content Soil blowing Surface crusting
667E:	
Weingart	Depth to rock Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
Neldore	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
668A:	
Zatoville	Lime content Poor tilth Salt content Sodium content Soil blowing Water table
681A:	
Rivra	Excessive permeability Flooding Limited available water capacity Potential for groundwater pollution Water table
Rivra	Excessive permeability Flooding Limited available water capacity Potential for groundwater pollution Soil blowing Water table

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
691F:	
Rock outcrop	Nonsoil material
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Kirby	Areas of rock outcrop Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
701E:	
Lamedeer	Limited available water capacity Slope Water erosion
Broadus	Lime content Slope Water erosion
Ringling	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
702F:	
Lamedeer	Limited available water capacity Slope Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Ringling	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
731E:	
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Ringling	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
732C:	
Cambert	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
Widen	Depth to rock Limited available water capacity Poor tilth Soil blowing Water erosion
732D:	
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Widen	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
733E:	
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
733E: (cont.)	
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Widen	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
734E:	
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cherry	Lime content Slope Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
742E:	
Neldore	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
781A:	
Vanda	Limited available water capacity Poor tilth Potential for groundwater pollution Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water table

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
797E:	
Yamacall	Slope Water erosion
Busby	Lime content Slope Soil blowing Water erosion
Blacksheep	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
798C:	
Yamacall	Water erosion
Delpoint	Depth to rock Lime content Soil blowing Water erosion
799E:	
Yamacall	Slope Water erosion
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
802E:	
Shambo	Slope Water erosion
Lisk	Slope Soil blowing Water erosion
Dast	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
811C:	
Creed	Salt content Sodium content Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
811C: (cont.)	
Pinehill	Water erosion
813C:	
Creed	Salt content
	Sodium content
	Soil blowing
	Water erosion
Absher	Lime content
	Limited available water capacity
	Poor tilth
	Restricted permeability
	Salt content
	Sodium content
	Soil blowing
	Surface crusting
	Water erosion
831F:	
Doney	Depth to rock
	Lime content
	Limited available water capacity
	Slope
	Soil blowing
	Water erosion
Cabba	Depth to rock
	Lime content
	Limited available water capacity
	Slope
	Soil blowing
	Water erosion
Wayden	Depth to rock
	Lime content
	Limited available water capacity
	Poor tilth
	Slope
	Soil blowing
	Water erosion
832E:	
Doney	Depth to rock
	Lime content
	Limited available water capacity
	Slope
	Soil blowing
	Water erosion
Macar	Slope
	Water erosion
Cabba	Depth to rock
	Lime content
	Limited available water capacity
	Slope
	Soil blowing
	Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
841F:	
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
842F:	
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
843E:	
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
844A:	
Havre	Channeled Flooding
Harlake	Channeled Flooding Lime content Poor tilth
Glendive	Channeled Flooding Lime content Soil blowing
845C:	
Ivanell	Depth to rock Lime content Limited available water capacity Salt content Sodium content Soil blowing Water erosion
Davidell	Salt content Sodium content
846F:	
Blacksheep	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
847E:	
Busby	Areas of rock outcrop Excessive permeability Potential for groundwater pollution Slope Soil blowing Water erosion
Yetull	Areas of rock outcrop Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
847E: (cont.)	
Rock outcrop	Nonsoil material
862E:	
Doney	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Lamedeer	Limited available water capacity Slope Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
862F:	
Doney	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Lamedeer	Limited available water capacity Slope Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
871C:	
Morton	Depth to rock Soil blowing Water erosion
Farland	Water erosion
891D:	
Yamacall	Water erosion
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
892D:	
Yamacall	Slope Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
901A:	
Sonnett	None
Sonnett	None
901C:	
Sonnett	Water erosion
Sonnett	Water erosion
902C:	
Sonnett	Areas of slick spots Water erosion
Slickspots	Nonsoil material
910B:	
Antwerp	Lime content Salt content Sodium content Surface crusting
911F:	
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
912F:	
Armells	Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
912F: (cont.)	
Kirby	Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
913D:	
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion
Cooers	Water erosion
Kirby	Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion
914D:	
Bullock	Depth to rock Limited available water capacity Salt content Sodium content Soil blowing Water erosion
Ralore	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
916E:	
Busby	Slope Soil blowing Water erosion
Twilight	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
Blacksheep	Depth to rock Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
917D:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
918E:	
Cambeth	Depth to rock Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
919F:	
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
921F:	
Twilight	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Blacksheep	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
921F: (cont.)	
Busby	Lime content Slope Soil blowing Water erosion
931C:	
Ralph	Depth to rock Soil blowing Water erosion
Brushton	Water erosion
940E:	
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
Yamacall	Slope Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
941C:	
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
Kobase	Lime content Poor tilth Water erosion
942A:	
Harlake	Flooding Lime content Poor tilth
943F:	
Kirby	Areas of rock outcrop Excessive permeability Lime content Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
943F: (cont.)	
Cabbart	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
944E:	
Kobase	Lime content Poor tilth Slope Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
945A:	
Lonna	Lime content Soil blowing
Alona	Salt content Sodium content Surface crusting
945C:	
Lonna	Lime content Soil blowing Water erosion
Alona	Salt content Sodium content Surface crusting Water erosion
946A:	
Lonna	Lime content Soil blowing
Antwerp	Lime content Salt content Sodium content Surface crusting

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
946C:	
Lonna	Lime content Soil blowing Water erosion
Antwerp	Lime content Salt content Sodium content Surface crusting
947E:	
Lonna	Lime content Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
948B:	
Rominell	Lime content Sodium content Soil blowing
949E:	
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Surface rock fragments Water erosion
951C:	
Vanstel	Water erosion
952D:	
Yamacall	Lime content Slope Water erosion
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
953E:	
Yamacall	Slope Water erosion
Birney	Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
954C:	
Yamacall	Water erosion
Busby	Soil blowing
954D:	
Yamacall	Lime content Slope Water erosion
Busby	Slope Soil blowing Water erosion
955D:	
Yamacall	Slope Water erosion
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
956F:	
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
956F: (cont.)	
Kobase	Lime content Poor tilth Slope Water erosion
957E:	
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Slope Soil blowing Water erosion
958D:	
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Kobase	Lime content Poor tilth Water erosion
959D:	
Abor	Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
959D: (cont.)	
Weingart	Depth to rock Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
Neldore	Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
960A:	
Busby	None
961C:	
Busby	Excessive permeability Potential for groundwater pollution Soil blowing
Yetull	Excessive permeability Limited available water capacity Potential for groundwater pollution Soil blowing
962F:	
Cambert	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Bigsheep	Lime content Slope Surface rock fragments Water erosion
Golva	Slope Water erosion
963E:	
Cambeth	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
963E: (cont.)	
Lonna	Lime content Slope Soil blowing Water erosion
964E:	
Cambeth	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
965C:	
Chinook	Soil blowing
Twilight	Depth to rock Limited available water capacity Soil blowing
966D:	
Chinook	Slope Soil blowing Water erosion
Twilight	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
Blacksheep	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
967E:	
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
967E: (cont.)	
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yawdim	Depth to rock Lime content Limited available water capacity Poor tilth Slope Soil blowing Water erosion
968E:	
Delpoint	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Yamacall	Slope Water erosion
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
969C:	
Eapa	Lime content Water erosion
Delpoint	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
971E:	
Lisk	Slope Soil blowing Water erosion
Cohagen	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
Dast	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
981C:	
Macar	Water erosion
Doney	Depth to rock Lime content Limited available water capacity Soil blowing Water erosion
982D:	
Macar	Slope Water erosion
Doney	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Cabba	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
983E:	
Macar	Slope Water erosion
Lisk	Slope Soil blowing Water erosion
Cohagen	Depth to rock Limited available water capacity Slope Soil blowing Water erosion
990E:	
Lihen	Excessive permeability Lime content Potential for groundwater pollution Slope Soil blowing Water erosion
Tinsley	Excessive permeability Limited available water capacity Potential for groundwater pollution Slope Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
991F:	
Neldore	Areas of rock outcrop Depth to rock Limited available water capacity Poor tilth Slope Soil blowing Water erosion
Rock outcrop	Nonsoil material
Abor	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Poor tilth Restricted permeability Slope Soil blowing Water erosion
992C:	
Parshall	Soil blowing
993C:	
Pinehill	Water erosion
Weingart	Depth to rock Limited available water capacity Poor tilth Restricted permeability Salt content Sodium content Soil blowing Surface crusting Water erosion
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
994E:	
Cabbart	Depth to rock Lime content Limited available water capacity Slope Soil blowing Water erosion
Bullock	Depth to rock Lime content Limited available water capacity Salt content Sodium content Soil blowing Water erosion

Main Cropland Limitations and Hazards (Continued)

Soil name and map symbol	Cropland limitations or hazards
995C:	
Yamacall	Water erosion
Gerdrum	Poor tilth Restricted permeability Salt content Sodium content Soil blowing Water erosion
996A:	
Yetull	Excessive permeability Limited available water capacity Potential for groundwater pollution Soil blowing
Busby	Excessive permeability Potential for groundwater pollution Soil blowing
4621A:	
Hanly	Excessive permeability Flooding Potential for groundwater pollution Soil blowing
Glendive	Flooding Lime content Soil blowing
4861A:	
Glendive	Lime content Soil blowing
Havre	Poor tilth
4871A:	
Havre	Flooding
Harlake	Flooding Lime content
4881A:	
Havre	None
DA:	
Denied access	Onsite required
M-W:	
Miscellaneous water	Nonsoil material
W:	
Water	Nonsoil material

Land Capability and Yields per Acre of Crops

(Yields in the 'N' columns are for nonirrigated soils; those in the 'I' column are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component name. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil. The listing of a crop yield does not endorse the use of a soil for that crop.)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
3F:														
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop----														
Yawdim----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
12E:														
Wabek----------	6E	---	7	---	8	---	15	---	---	---	---	---	---	---
14B:														
Alona----------	6S	---	29	---	32	---	48	---	---	---	---	---	---	---
17F:														
Badland---------	8E	---	---	---	---	---	---	---	---	---	---	---	---	---
18E:														
Cabbart---------	7E	---	3	---	3	---	1	---	---	---	---	---	---	---
Havre----------	3W	---	36	---	41	---	59	---	---	---	---	---	---	---
19C:														
Archin----------	4E	---	22	---	24	---	37	---	---	---	---	---	---	---
21C:														
Benz----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
24B:														
Davidell--------	4S	4E	28	75	31	85	46	115	---	20.0	---	5.0	---	22.0
25A:														
Marias----------	4E	4E	32	75	36	85	53	115	---	20.0	---	5.0	---	24.0
27A:														
Busby----------	4E	4E	28	75	32	85	47	115	---	22.0	---	5.5	---	24.0
27C:														
Busby----------	4E	4E	28	75	32	85	47	115	---	22.0	---	5.5	---	---
30C:														
Yamacall--------	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
Havre----------	3W	---	36	---	41	---	59	---	---	---	---	---	---	---
31A:														
Ryell----------	3E	3E	28	70	32	80	47	110	---	20.0	---	5.0	---	22.0
33A:														
Chanta----------	3E	2E	28	70	31	80	46	110	---	22.0	---	5.5	---	24.0
34C:														
Tally----------	4E	---	30	---	33	---	49	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
35C:														
Chinook---------	4E	4E	31	75	35	85	50	115	---	22.0	---	5.5	---	---
37B:														
Degrand---------	3E	2E	29	70	33	80	48	110	---	20.0	---	5.0	---	22.0
39A:														
Ethridge--------	3E	3E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
39C:														
Ethridge--------	3E	3E	36	75	41	85	59	115	---	24.0	---	6.5	---	---
40A:														
Savage----------	3E	---	34	---	39	---	56	---	---	---	---	---	---	---
40C:														
Savage----------	3E	---	34	---	39	---	56	---	---	---	---	---	---	---
41A:														
Eapa----------	3E	2E	40	75	45	85	64	115	---	24.0	---	6.5	---	26.0
41C:														
Eapa----------	3E	---	40	---	45	---	64	---	---	24.0	---	6.5	---	---
43F:														
Abor----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Lilsheep--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
44A:														
Farnuf----------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
44C:														
Farnuf----------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
45A:														
Glendive--------	4E	4E	36	75	41	85	58	115	---	23.0	---	6.0	---	25.0
46A:														
Hanly----------	6E	4E	23	70	26	80	39	110	---	18.0	---	4.5	---	20.0
47A:														
Harlake---------	4E	4E	35	75	40	85	57	115	---	23.0	---	6.0	---	25.0
50C:														
Kremlin---------	3E	---	39	---	44	---	63	---	---	24.0	---	6.5	---	---
51C:														
Shambo----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---
52A:														
Sagedale--------	3E	---	35	---	40	---	57	---	---	---	---	---	---	---
52C:														
Sagedale--------	3E	---	35	---	40	---	57	---	---	---	---	---	---	---
53A:														
Kobase----------	3E	3E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
53C:														
Kobase----------	3E	---	36	---	41	---	59	---	---	---	---	6.5	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
53D:														
Kobase----------	4E	---	31	---	36	---	52	---	---	---	---	---	---	---
56A:														
Cherry----------	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
56C:														
Cherry----------	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
57A:														
Lonna----------	4E	4E	34	75	38	85	55	115	---	24.0	---	6.5	---	26.0
57C:														
Lonna----------	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
59C:														
Farland---------	3E	---	39	---	45	---	64	---	---	---	---	---	---	---
60A:														
Golva----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---
60C:														
Golva----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---
61A:														
Marias----------	4E	4E	32	75	36	85	53	115	---	22.0	---	5.5	---	24.0
62A:														
Marvan----------	4E	4E	32	75	36	85	53	115	---	20.0	---	5.0	---	22.0
62C:														
Marvan----------	4E	4E	32	75	36	85	53	115	---	---	---	---	---	---
64A:														
Pinehill--------	3E	2E	38	75	43	85	62	115	---	---	---	6.5	---	26.0
64C:														
Pinehill--------	3E	3E	38	---	43	---	62	---	---	---	---	---	---	---
64D:														
Pinehill--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
67A:														
Riverwash-------														
75C:														
Weingart--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ivanell---------	4E	---	29	---	32	---	48	---	---	---	---	---	---	---
76B:														
Vanstel---------	3E	2E	35	75	39	85	57	115	---	24.0	---	6.5	---	26.0
76C:														
Vanstel---------	3E	3E	35	---	39	---	57	---	---	---	---	---	---	---
77A:														
Havre----------	3W	2W	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
Bigsandy--------	5W	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
79A:														
Yamacall	3E	2E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
79C:														
Yamacall	3E	3E	36	75	41	85	59	115	---	---	---	6.5	---	---
79D:														
Yamacall	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
81A:														
Creed	4S	4S	20	70	22	80	34	110	---	20.0	---	5.0	---	22.0
81C:														
Creed	4E	---	20	---	22	---	34	---	---	---	---	---	---	---
85C:														
Foreleft	3E	---	38	---	43	---	61	---	---	---	---	---	---	---
88A:														
Floweree	3E	2E	39	75	44	85	62	115	---	24.0	---	6.5	---	26.0
88C:														
Floweree	3E	3E	39	75	44	85	62	115	---	---	---	---	---	---
90A:														
Sonnett	3E	3E	35	75	40	85	57	115	---	24.0	---	6.5	---	26.0
90C:														
Sonnett	3E	---	35	---	40	---	57	---	---	---	---	---	---	---
93B:														
Brushton	3E	---	37	---	42	---	60	---	---	---	---	---	---	---
98A:														
Macar	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
98C:														
Macar	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
112C:														
Absher	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
121D:														
Kremlin	4E	---	37	---	42	---	60	---	---	---	---	---	---	---
Tinsley	6E	---	10	---	11	---	20	---	---	---	---	---	---	---
Degrand	3E	---	29	---	33	---	48	---	---	---	---	---	---	---
122D:														
Tinsley	7S	---	10	---	11	---	20	---	---	---	---	---	---	---
Chanta	3E	---	28	---	31	---	46	---	---	---	---	---	---	---
123F:														
Tinsley	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart	7E	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
151F:														
Armells---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Kirby----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
191C:														
Archin----------	4E	---	22	---	24	---	37	---	---	---	---	---	---	---
Gerdrum---------	6E	---	18	---	21	---	32	---	---	---	---	---	---	---
192C:														
Archin----------	4E	---	22	---	24	---	37	---	---	---	---	---	---	---
Davidell--------	4E	---	28	---	31	---	46	---	---	---	---	---	---	---
Bullock---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
222D:														
Floweree--------	3E	---	39	---	44	---	62	---	---	---	---	---	---	---
Cambeth---------	4E	---	29	---	33	---	48	---	---	---	---	---	---	---
Lilsheep--------	4E	---	19	---	21	---	33	---	---	---	---	---	---	---
228F:														
Cambeth---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Lilsheep--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Lonna----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
241B:														
Davidell--------	4S	---	28	---	31	---	46	---	---	---	---	---	---	---
Antwerp---------	6S	---	---	---	---	---	---	---	---	---	---	---	---	---
242C:														
Davidell--------	4E	---	28	---	31	---	46	---	---	---	---	---	---	---
Ivanell---------	4E	---	29	---	33	---	48	---	---	---	---	---	---	---
271E:														
Busby----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
Blacksheep------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Twilight--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
277D:														
Busby----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
Twilight--------	4E	---	25	---	28	---	42	---	---	---	---	---	---	---
278E:														
Busby----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
Yetull----------	6E	---	16	---	18	---	29	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
293E:														
Cambeth---------	6E	---	22	---	25	---	38	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Kirby----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
296F:														
Cambeth---------	4E	---	27	---	30	---	45	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop----														
297C:														
Cambeth---------	3E	---	31	---	36	---	52	---	---	---	---	---	---	---
Megonot---------	3E	---	20	---	22	---	34	---	---	---	---	---	---	---
297D:														
Cambeth---------	4E	---	29	---	33	---	48	---	---	---	---	---	---	---
Megonot---------	4E	---	15	---	17	---	27	---	---	---	---	---	---	---
297E:														
Cambeth---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yawdim----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
311A:														
Ryell----------	3W	3W	29	70	33	80	48	110	---	20.0	---	5.0	---	22.0
341D:														
Tally----------	4E	---	30	---	33	---	49	---	---	---	---	---	---	---
Vebar----------	4E	---	22	---	25	---	38	---	---	---	---	---	---	---
342C:														
Tally----------	4E	---	30	---	33	---	49	---	---	---	---	---	---	---
Shambo----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---
352D:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
Twilight--------	4E	---	25	---	28	---	42	---	---	---	---	---	---	---
353C:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
Kremlin---------	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
355C:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
Twilight--------	4E	---	25	---	28	---	42	---	---	---	---	---	---	---
Eapa----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
357D:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
Lihen----------	6E	---	20	---	22	---	34	---	---	---	---	---	---	---
Twilight--------	4E	---	25	---	28	---	42	---	---	---	---	---	---	---
361E:														
Doney----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Broadus---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
381F:														
Delpoint--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Armells---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
383F:														
Delpoint--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yawdim----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
385E:														
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yamacall--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
386F:														
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop.														
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
387D:														
Delpoint--------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
Busby----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
Blacksheep------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
388D:														
Delpoint--------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
Kobase----------	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
Yawdim----------	6E	---	15	---	17	---	27	---	---	---	---	---	---	---
421A:														
Gerdrum---------	6S	6S	17	65	19	75	31	100	---	18.0	---	4.5	---	20.0
Creed----------	4S	4S	20	70	22	80	34	110	---	20.0	---	5.0	---	22.0

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
421C:														
Gerdrum---------	6E	---	17	---	19	---	31	---	---	---	---	---	---	---
Creed----------	4E	---	20	---	22	---	34	---	---	---	---	---	---	---
421D:														
Gerdrum---------	6E	---	13	---	14	---	24	---	---	---	---	---	---	---
Creed----------	6E	---	15	---	17	---	27	---	---	---	---	---	---	---
432D:														
Slickspots------														
Abor----------	4E	---	17	---	19	---	30	---	---	---	---	---	---	---
451A:														
Glendive--------	4W	4W	36	75	41	85	59	115	---	23.0	---	6.0	---	25.0
452A:														
Glendive--------	3E	2E	37	75	42	85	60	115	---	24.0	---	6.5	---	26.0
453A:														
Glendive--------	4W	4W	36	75	41	85	59	115	---	23.0	---	6.0	---	25.0
Havre----------	3W	2W	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
456A:														
Havre----------	6W	---	36	---	41	---	59	---	---	---	---	---	---	---
Glendive--------	6W	---	36	---	41	---	59	---	---	---	---	---	---	---
461A:														
Hanly----------	6W	4W	23	70	26	80	39	110	---	18.0	---	4.5	---	20.0
462A:														
Hanly----------	6E	4W	23	70	26	80	39	110	---	18.0	---	4.5	---	20.0
Glendive--------	4E	4E	36	75	41	85	58	115	---	23.0	---	6.0	---	25.0
471A:														
Harlake---------	4W	4W	35	75	40	85	57	115	---	23.0	---	6.0	---	25.0
473A:														
Lallie----------	4W	---	---	---	---	---	---	---	---	---	---	---	---	---
481A:														
Havre----------	3W	2W	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
483A:														
Havre----------	4W	4W	34	75	39	85	56	115	---	24.0	---	6.5	---	26.0
486A:														
Glendive--------	4E	4E	36	75	41	85	58	115	---	23.0	---	6.0	---	25.0
Havre----------	3E	2E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
487A:														
Havre----------	3E	2E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
Harlake---------	3E	3E	35	75	40	85	57	115	---	23.0	---	6.0	---	25.0

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
488A:														
Havre	3W	2W	35	75	40	85	57	115	---	24.0	---	6.5	---	26.0
489A:														
Spinekop	3E	2E	37	75	42	85	60	115	---	24.0	---	6.5	---	26.0
491A:														
Ismay	6W	---	---	---	---	---	---	---	---	---	---	---	---	---
501C:														
Kremlin	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
Delpoint	3E	---	30	---	33	---	49	---	---	---	---	---	---	---
511C:														
Shambo	3E	---	40	---	45	---	64	---	---	---	---	---	---	---
Doney	3E	---	24	---	26	---	40	---	---	---	---	---	---	---
531D:														
Kobase	6E	---	31	---	36	---	52	---	---	---	---	---	---	---
532C:														
Kobase	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
Gerdrum	6E	---	17	---	19	---	31	---	---	---	---	---	---	---
534C:														
Marias	4E	---	32	---	36	---	53	---	---	---	---	---	---	---
542E:														
Lihen	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yetull	6E	---	4	---	4	---	11	---	---	---	---	---	---	---
552D:														
Neldore	6E	---	13	---	14	---	24	---	---	---	---	---	---	---
Abor	4E	---	17	---	19	---	30	---	---	---	---	---	---	---
Marvan	4E	---	32	---	36	---	53	---	---	---	---	---	---	---
554E:														
Delpoint	6E	---	23	---	25	---	39	---	---	---	---	---	---	---
Weingart	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
561C:														
Cherry	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
Cambert	3E	---	25	---	29	---	43	---	---	---	---	---	---	---
562D:														
Cherry	4E	---	37	---	42	---	60	---	---	---	---	---	---	---
Cambert	4E	---	23	---	26	---	39	---	---	---	---	---	---	---
Cabba	6E	---	10	---	11	---	20	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
573D:														
Lonna	6E	---	31	---	36	---	52	---	---	---	---	---	---	---
Cambeth	6E	---	27	---	30	---	45	---	---	---	---	---	---	---
Yamacall	6E	---	34	---	38	---	55	---	---	---	---	---	---	---
574E:														
Lonna	6E	---	27	---	30	---	45	---	---	---	---	---	---	---
Cambeth	6E	---	22	---	25	---	38	---	---	---	---	---	---	---
Cabbart	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
575C:														
Lonna	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
Cambeth	4E	---	29	---	33	---	48	---	---	---	---	---	---	---
576A:														
Lonna	4E	4E	34	75	38	85	55	115	---	24.0	---	6.5	---	26.0
576C:														
Lonna	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
577D:														
Lonna	4E	---	31	---	36	---	52	---	---	---	---	---	---	---
Cambeth	4E	---	27	---	30	---	45	---	---	---	---	---	---	---
Cabbart	6E	---	13	---	14	---	24	---	---	---	---	---	---	---
581C:														
Ivanell	4E	---	29	---	33	---	48	---	---	---	---	---	---	---
Cabbart	6S	---	15	---	17	---	27	---	---	---	---	---	---	---
602C:														
Bonfri	3E	---	31	---	35	---	50	---	---	---	---	---	---	---
603D:														
Busby	4E	---	---	---	---	---	---	---	---	---	---	---	---	---
604E:														
Busby	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint	6E	---	21	---	23	---	36	---	---	---	---	---	---	---
Yawdim	7E	---	8	---	8	---	16	---	---	---	---	---	---	---
605D:														
Cabbart	6E	---	11	---	12	---	21	---	---	---	---	---	---	---
Cambeth	4E	---	---	---	---	---	---	---	---	---	---	---	---	---
607C:														
Cambeth	4E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart	6S	---	13	---	15	---	25	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
608C:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
612F:														
Kirby----------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
Blacksheep------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop.														
613C:														
Kremlin---------	3E	---	39	---	44	---	63	---	---	---	---	---	---	---
Cabbart---------	6S	---	13	---	15	---	25	---	---	---	---	---	---	---
615C:														
Yamacall--------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Havre----------	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
621B:														
Marvan----------	4E	4E	32	75	36	85	53	115	---	18.0	---	4.5	---	20.0
Vanda----------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
631F:														
Bitton----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ringling--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
641D:														
Pinehill--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Absher----------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
650F:														
Armells---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
651C:														
Busby----------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
Twilight--------	4E	---	27	---	30	---	45	---	---	---	---	---	---	---
Blacksheep------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
652C:														
Chinook---------	4E	---	31	---	35	---	50	---	---	---	---	---	---	---
653B:														
Davidell--------	4S	---	29	---	32	---	48	---	---	---	---	---	---	---
654B:														
Eapa----------	3E	---	40	---	45	---	64	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
656A:														
Gerdrum---------	6S	---	19	---	21	---	33	---	---	---	---	---	---	---
657C:														
Gerdrum---------	6E	---	19	---	22	---	34	---	---	---	---	---	---	---
658C:														
Gerdrum---------	6E	---	19	---	22	---	34	---	---	---	---	---	---	---
Marvan----------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
659A:														
Glendive--------	3W	2W	32	75	36	85	53	115	---	---	---	---	---	---
660A:														
Hanly----------	4W	3W	19	70	22	80	34	110	---	---	---	---	---	---
Glendive--------	3W	2W	30	75	34	85	50	115	---	---	---	---	---	---
661A:														
Havre----------	6W	---	---	---	---	---	---	---	---	---	---	---	---	---
662F:														
Neldore---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Abor----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
663F:														
Neldore---------	7E	---	---	---	---	---	2	---	---	---	---	---	---	---
Abor----------	6E	---	16	---	18	---	29	---	---	---	---	---	---	---
Rock outcrop----														
664F:														
Neldore---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop----														
665F:														
Tinsley---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
666C:														
Neldore---------	6S	---	15	---	16	---	27	---	---	---	---	---	---	---
Volborg---------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
667E:														
Weingart--------	6E	---	14	---	15	---	25	---	---	---	---	---	---	---
Neldore---------	7E	---	7	---	8	---	15	---	---	---	---	---	---	---
668A:														
Zatoville-------	6S	---	---	---	---	---	---	---	---	---	---	---	---	---
681A:														
Rivra----------	6W	---	---	---	---	---	---	---	---	---	---	---	---	---
Rivra----------	6W	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
691F:														
Rock outcrop----														
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Kirby----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
701E:														
Lamedeer--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Broadus---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ringling--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
702F:														
Lamedeer--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ringling--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
731E:														
Cambert---------	6E	---	18	---	21	---	32	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ringling--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
732C:														
Cambert---------	4E	---	25	---	29	---	43	---	---	---	---	---	---	---
Widen----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
732D:														
Cambert---------	4E	---	23	---	26	---	39	---	---	---	---	---	---	---
Widen----------	4E	---	24	---	26	---	40	---	---	---	---	---	---	---
733E:														
Cambert---------	4E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Widen----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
734E:														
Cambert---------	6E	---	18	---	21	---	32	---	---	---	---	---	---	---
Cherry----------	4E	---	37	---	42	---	60	---	---	---	---	---	---	---
Cabba----------	7E	---	7	---	7	---	15	---	---	---	---	---	---	---
742E:														
Neldore---------	7E	---	8	---	9	---	17	---	---	---	---	---	---	---
Abor----------	4E	---	17	---	19	---	30	---	---	---	---	---	---	---
781A:														
Vanda----------	7W	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
797E:														
Yamacall--------	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
Busby----------	6E	---	26	---	29	---	43	---	---	---	---	---	---	---
Blacksheep------	7E	---	9	---	10	---	18	---	---	---	---	---	---	---
798C:														
Yamacall--------	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
Delpoint--------	3E	---	30	---	33	---	49	---	---	---	---	---	---	---
799E:														
Yamacall--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Birney----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
802E:														
Shambo----------	4E	---	38	---	43	---	61	---	---	---	---	---	---	---
Lisk----------	6E	---	25	---	28	---	42	---	---	---	---	---	---	---
Dast----------	6E	---	24	---	27	---	41	---	---	---	---	---	---	---
811C:														
Creed----------	4E	---	20	---	22	---	34	---	---	---	---	---	---	---
Pinehill--------	3E	---	38	---	43	---	62	---	---	---	---	---	---	---
813C:														
Creed----------	4E	---	20	---	22	---	34	---	---	---	---	---	---	---
Absher----------	7S	---	---	---	---	---	---	---	---	---	---	---	---	---
831F:														
Doney----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Wayden----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
832E:														
Doney----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Macar----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
841F:														
Birney----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Armells---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
842F:														
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yawdim----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
842F: (cont.)														
Rock outcrop.														
843E:														
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
844A:														
Havre----------	6W	---	36	---	41	---	58	---	---	---	---	---	---	---
Harlake---------	6W	---	35	---	40	---	57	---	---	---	---	---	---	---
Glendive--------	6W	---	36	---	41	---	58	---	---	---	---	---	---	---
845C:														
Ivanell---------	4E	---	26	---	29	---	43	---	---	---	---	---	---	---
Davidell--------	4S	---	28	---	32	---	47	---	---	---	---	---	---	---
846F:														
Blacksheep------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Delpoint--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop.														
847E:														
Busby----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yetull----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop.														
862E:														
Doney----------	6E	---	16	---	18	---	29	---	---	---	---	---	---	---
Lamedeer--------	6E	---	15	---	17	---	27	---	---	---	---	---	---	---
Cabba----------	7E	---	7	---	7	---	15	---	---	---	---	---	---	---
862F:														
Doney----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Lamedeer--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabba----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
871C:														
Morton----------	3E	---	31	---	36	---	52	---	---	---	---	---	---	---
Farland---------	3E	---	39	---	45	---	64	---	---	---	---	---	---	---
891D:														
Yamacall--------	3E	---	36	---	41	---	59	---	---	---	---	---	---	---
Birney----------	4E	---	17	---	19	---	30	---	---	---	---	---	---	---
Delpoint--------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
892D:														
Yamacall	4E	---	34	---	38	---	55	---	---	---	---	---	---	---
Delpoint	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
Cabbart	6E	---	13	---	14	---	24	---	---	---	---	---	---	---
901A:														
Sonnett	3E	2E	35	75	40	85	57	115	---	24.0	---	6.5	---	26.0
Sonnett	3E	2E	35	75	40	85	57	115	---	24.0	---	6.5	---	26.0
901C:														
Sonnett	3E	3E	35	75	40	85	57	115	---	---	---	---	---	---
Sonnett	3E	3E	35	75	40	85	57	115	---	---	---	---	---	---
902C:														
Sonnett	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Slickspots.														
910B:														
Antwerp	6S	---	---	---	---	---	---	---	---	---	---	---	---	---
911F:														
Armells	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
912F:														
Armells	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Kirby	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
913D:														
Birney	4E	---	17	---	19	---	30	---	---	---	---	---	---	---
Cooers	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Kirby	7E	---	9	---	10	---	19	---	---	---	---	---	---	---
914D:														
Bullock	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Ralore	6E	---	6	---	6	---	14	---	---	---	---	---	---	---
916E:														
Busby	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
Twilight	6E	---	21	---	24	---	36	---	---	---	---	---	---	---
Blacksheep	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
917D:														
Cambeth	4E	---	26	---	29	---	43	---	---	---	---	---	---	---
Cabbart	6E	---	11	---	12	---	21	---	---	---	---	---	---	---
918E:														
Cambeth	4E	---	27	---	30	---	45	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
918E: (cont.)														
Cabbart---------	7E	---	8	---	9	---	17	---	---	---	---	---	---	---
919F:														
Delpoint--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
921F:														
Twilight--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Blacksheep------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Busby----------	4E	---	28	---	32	---	47	---	---	---	---	---	---	---
931C:														
Ralph----------	3E	---	30	---	34	---	50	---	---	---	---	---	---	---
Brushton--------	3E	---	37	---	42	---	60	---	---	---	---	---	---	---
940E:														
Delpoint--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Yamacall--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Cabbart---------	7E	---	9	---	10	---	18	---	---	---	---	---	---	---
941C:														
Gerdrum---------	6E	---	19	---	21	---	33	---	---	---	---	---	---	---
Kobase----------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
942A:														
Harlake---------	3W	3W	35	75	40	85	57	115	---	---	---	---	---	---
943F:														
Kirby----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop----														
944E:														
Kobase----------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
Cabbart---------	7E	---	9	---	10	---	18	---	---	---	---	---	---	---
Yawdim----------	7E	---	5	---	5	---	13	---	---	---	---	---	---	---
945A:														
Lonna----------	4E	---	35	---	40	---	57	---	---	---	---	---	---	---
Alona----------	6S	---	31	---	35	---	50	---	---	---	---	---	---	---
945C:														
Lonna----------	4E	---	35	---	39	---	57	---	---	---	---	---	---	---
Alona----------	6E	---	30	---	34	---	50	---	---	---	---	---	---	---
946A:														
Lonna----------	4E	---	36	---	41	---	59	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
946A: (cont.)														
Antwerp---------	6S	---	---	---	---	---	---	---	---	---	---	---	---	---
946C:														
Lonna----------	4E	---	34	---	39	---	56	---	---	---	---	---	---	---
Antwerp---------	6S	---	---	---	---	---	---	---	---	---	---	---	---	---
947E:														
Lonna----------	4E	---	32	---	37	---	53	---	---	---	---	---	---	---
Cabbart---------	7E	---	6	---	6	---	13	---	---	---	---	---	---	---
Yawdim----------	7E	---	8	---	9	---	17	---	---	---	---	---	---	---
948B:														
Rominell--------	4S	---	22	---	25	---	38	---	---	---	---	---	---	---
949E:														
Tinsley---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
951C:														
Vanstel---------	3E	---	35	---	39	---	57	---	---	---	---	---	---	---
952D:														
Yamacall--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Birney----------	4E	---	17	---	19	---	31	---	---	---	---	---	---	---
953E:														
Yamacall--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Birney----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
954C:														
Yamacall--------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Busby----------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
954D:														
Yamacall--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Busby----------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
955D:														
Yamacall--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Delpoint--------	4E	---	24	---	28	---	41	---	---	---	---	---	---	---
956F:														
Yawdim----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Kobase----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
957E:														
Abor----------	6E	---	18	---	21	---	32	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
957E: (cont.)														
Cabbart---------	7E	---	8	---	8	---	16	---	---	---	---	---	---	---
Delpoint--------	6E	---	23	---	25	---	39	---	---	---	---	---	---	---
958D:														
Abor----------	4E	---	18	---	21	---	32	---	---	---	---	---	---	---
Delpoint--------	4E	---	23	---	25	---	39	---	---	---	---	---	---	---
Kobase----------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
959D:														
Abor----------	4E	---	24	---	28	---	41	---	---	---	---	---	---	---
Weingart--------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Neldore---------	6E	---	11	---	12	---	21	---	---	---	---	---	---	---
960A:														
Busby----------	3E	2E	33	75	37	85	54	115	---	---	---	---	---	---
961C:														
Busby----------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
Yetull----------	6E	---	17	---	19	---	30	---	---	---	---	---	---	---
962F:														
Cambert---------	6E	---	17	---	19	---	31	---	---	---	---	---	---	---
Bigsheep--------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Golva----------	4E	---	37	---	42	---	60	---	---	---	---	---	---	---
963E:														
Cambeth---------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Lonna----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
964E:														
Cambeth---------	4E	---	24	---	27	---	41	---	---	---	---	---	---	---
Cabbart---------	7E	---	10	---	11	---	20	---	---	---	---	---	---	---
Yawdim----------	6E	---	12	---	13	---	22	---	---	---	---	---	---	---
965C:														
Chinook---------	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
Twilight--------	4E	---	24	---	27	---	41	---	---	---	---	---	---	---
966D:														
Chinook---------	4E	---	29	---	32	---	48	---	---	---	---	---	---	---
Twilight--------	4E	---	25	---	29	---	43	---	---	---	---	---	---	---
Blacksheep------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
967E:														
Delpoint--------	6E	---	19	---	21	---	33	---	---	---	---	---	---	---
Cabbart---------	7E	---	10	---	11	---	20	---	---	---	---	---	---	---
Yawdim----------	7E	---	5	---	5	---	12	---	---	---	---	---	---	---
968E:														
Delpoint--------	6E	---	16	---	18	---	29	---	---	---	---	---	---	---
Yamacall--------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Cabbart---------	7E	---	8	---	8	---	16	---	---	---	---	---	---	---
969C:														
Eapa----------	3E	---	37	---	42	---	60	---	---	---	---	---	---	---
Delpoint--------	3E	---	25	---	28	---	42	---	---	---	---	---	---	---
971E:														
Lisk----------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
Cohagen---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Dast----------	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
981C:														
Macar----------	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Doney----------	3E	---	24	---	26	---	40	---	---	---	---	---	---	---
982D:														
Macar----------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Doney----------	4E	---	21	---	24	---	36	---	---	---	---	---	---	---
Cabba----------	6E	---	11	---	12	---	22	---	---	---	---	---	---	---
983E:														
Macar----------	4E	---	33	---	38	---	55	---	---	---	---	---	---	---
Lisk----------	4E	---	27	---	31	---	46	---	---	---	---	---	---	---
Cohagen---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
990E:														
Lihen----------	6E	---	10	---	11	---	20	---	---	---	---	---	---	---
Tinsley---------	6E	---	---	---	---	---	1	---	---	---	---	---	---	---
991F:														
Neldore---------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop----														
Abor----------	7E	---	---	---	---	---	---	---	---	---	---	---	---	---
992C:														
Parshall--------	4E	4E	35	75	39	85	57	115	---	---	---	---	---	---

Land Capability and Yields per Acre of Crops (Continued)

Map symbol and soil name	Land capability		Spring wheat		Winter wheat		Barley		Corn silage		Alfalfa hay		Sugar beets	
	N	I	N	I	N	I	N	I	N	I	N	I	N	I
			Bu		Bu		Bu		Tons		Tons		Tons	
993C:														
Pinehill	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Weingart	6E	---	20	---	23	---	35	---	---	---	---	---	---	---
Gerdrum	6E	---	18	---	21	---	32	---	---	---	---	---	---	---
994E:														
Cabbart	6E	---	8	---	9	---	17	---	---	---	---	---	---	---
Bullock	6E	---	---	---	---	---	---	---	---	---	---	---	---	---
995C:														
Yamacall	3E	---	36	---	41	---	58	---	---	---	---	---	---	---
Gerdrum	6E	---	19	---	21	---	33	---	---	---	---	---	---	---
996A:														
Yetull	6E	---	17	---	19	---	30	---	---	---	---	---	---	---
Busby	4E	---	31	---	35	---	51	---	---	---	---	---	---	---
4621A:														
Hanly	6W	4W	23	70	26	80	39	110	---	18.0	---	4.5	---	20.0
Glendive	4W	4W	36	75	41	85	59	115	---	23.0	---	6.0	---	25.0
4861A:														
Glendive	3E	2E	34	75	39	85	56	115	---	23.0	---	6.0	---	25.0
Havre	3E	2E	35	75	40	75	57	115	---	24.0	---	6.5	---	26.0
4871A:														
Havre	3W	2W	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
Harlake	3W	3W	35	75	40	85	57	115	---	23.0	---	6.0	---	25.0
4881A:														
Havre	3E	2E	36	75	41	85	59	115	---	24.0	---	6.5	---	26.0
DA:														
Denied access														
M-W:														
Miscellaneous water														
W:														
Water														

Prime Farmland

(Only irrigated areas where the product of soil erodibility (I) and climate factors (C) does not exceed 60 are prime farmland.)

Map symbol	Soil name
27A	Busby fine sandy loam, 0 to 2 percent slopes (where irrigated)
31A	Ryell very fine sandy loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
33A	Chanta loam, 0 to 2 percent slopes (where irrigated)
37B	Degrand loam, 0 to 4 percent slopes (where irrigated)
39A	Ethridge silty clay loam, 0 to 2 percent slopes (where irrigated)
40A	Savage silty clay loam, 0 to 2 percent slopes (where irrigated)
41A	Eapa loam, 0 to 2 percent slopes (where irrigated)
41C	Eapa loam, 2 to 6 percent slopes (where irrigated)
44A	Farnuf loam, 0 to 2 percent slopes (where irrigated)
45A	Glendive fine sandy loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
47A	Harlake silty clay, 0 to 2 percent slopes, rarely flooded (where irrigated)
52A	Sagedale silty clay loam, 0 to 2 percent slopes (where irrigated)
53A	Kobase silty clay loam, 0 to 2 percent slopes (where irrigated)
56A	Cherry silt loam, 0 to 2 percent slopes (where irrigated)
60A	Golva silt loam, 0 to 2 percent slopes (where irrigated)
64A	Pinehill loam, 0 to 2 percent slopes (where irrigated)
76B	Vanstel loam, 0 to 4 percent slopes (where irrigated)
79A	Yamacall loam, 0 to 2 percent slopes (where irrigated)
88A	Floweree silt loam, 0 to 2 percent slopes (where irrigated)
88C	Floweree silt loam, 2 to 6 percent slopes (where irrigated)
93B	Brushton silt loam, 0 to 4 percent slopes (where irrigated)
98A	Macar loam, 0 to 2 percent slopes (where irrigated)
311A	Ryell loam, 0 to 2 percent slopes, occasionally flooded (where irrigated)
451A	Glendive fine sandy loam, 0 to 2 percent slopes, occasionally flooded (where irrigated)
452A	Glendive loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
453A	Glendive-Havre complex, 0 to 2 percent slopes, occasionally flooded (where irrigated)
471A	Harlake silty clay, 0 to 2 percent slopes, occasionally flooded (where irrigated)
481A	Havre loam, 0 to 2 percent slopes, occasionally flooded (where irrigated)
483A	Havre silty clay, 0 to 2 percent slopes, occasionally flooded (where irrigated)
486A	Glendive-Havre complex, 0 to 2 percent slopes, nonflooded (where irrigated)
487A	Havre-Harlake complex, 0 to 2 percent slopes, nonflooded (where irrigated)
488A	Havre silty clay loam, 0 to 2 percent slopes, occasionally flooded (where irrigated)
489A	Spinekop silty clay loam, 0 to 2 percent slopes (where irrigated)
4861A	Glendive-Havre silty clay loams, 0 to 2 percent slopes, nonflooded (where irrigated)
4871A	Havre-Harlake complex, 0 to 2 percent slopes, occasionally flooded (where irrigated)
4881A	Havre loam, 0 to 2 percent slopes, rarely flooded (where irrigated)

Windbreak Suitability Groups

(Suitable shrubs and trees with their mature heights are listed in the adjoining Windbreak Suitability Group Species List. Absence of an entry indicates that a windbreak suitability group is not assigned. A dashed entry indicates a woodland unit and a windbreak suitability group is not assigned.)

Soil name and map symbol	Windbreak suitability group
3F:	
Cabbart	4
Rock outcrop	4
Yawdim	4
12E:	
Wabek	3S
14B:	
Alona	4
17F:	
Badland	4
18E:	
Cabbart	2S
Havre	1
19C:	
Archin	3S
21C:	
Benz	2S
24B:	
Davidell	2M
25A:	
Marias	2M
27A:	
Busby	2M
27C:	
Busby	2M
30C:	
Yamacall	1
Havre	1
31A:	
Ryell	3M
33A:	
Chanta	2M
34C:	
Tally	2M
35C:	
Chinook	2M
37B:	
Degrand	2M

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
39A:	
Ethridge	1
39C:	
Ethridge	1
40A:	
Savage	1
40C:	
Savage	1
41A:	
Eapa	1
41C:	
Eapa	1
43F:	
Abor	4
Lilsheep	4
44A:	
Farnuf	1
44C:	
Farnuf	1
45A:	
Glendive	2M
46A:	
Hanly	3M
47A:	
Harlake	2M
50C:	
Kremlin	1
51C:	
Shambo	1
52A:	
Sagedale	2M
52C:	
Sagedale	2M
53A:	
Kobase	1
53C:	
Kobase	1
53D:	
Kobase	1
56A:	
Cherry	1
56C:	
Cherry	1

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
57A:	
Lonna	1
57C:	
Lonna	1
59C:	
Farland	1
60A:	
Golva	1
60C:	
Golva	1
61A:	
Marias	2M
62A:	
Marvan	2M
62C:	
Marvan	2M
64A:	
Pinehill	1
64C:	
Pinehill	1
64D:	
Pinehill	1
67A:	
Riverwash	4
75C:	
Weingart	3S
Ivanell	3S
76B:	
Vanstel	1
76C:	
Vanstel	1
77A:	
Havre	1
Bigsandy	3W
79A:	
Yamacall	1
79C:	
Yamacall	1
79D:	
Yamacall	1
81A:	
Creed	2S

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
81C:	
Creed	2S
85C:	
Foreleft	1
88A:	
Floweree	1
88C:	
Floweree	1
90A:	
Sonnett	2M
90C:	
Sonnett	2M
93B:	
Brushton	1
98A:	
Macar	1
98C:	
Macar	1
112C:	
Absher	4
121D:	
Kremlin	1
Tinsley	4
Degrand	2M
122D:	
Tinsley	4
Chanta	2M
123F:	
Tinsley	4
Delpoint	4
Cabbart	4
151F:	
Armells	4
Cabbart	4
Kirby	4
191C:	
Archin	2S
Gerdrum	3S
192C:	
Archin	2S
Davidell	2S
Bullock	3S
222D:	
Floweree	1
Cambeth	2M
Lilsheep	3M

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
228F:	
Cambeth	4
Lilsheep	4
Lonna	4
241B:	
Davidell	2S
Antwerp	3S
242C:	
Davidell	2S
Ivanell	3S
271E:	
Busby	2M
Blacksheep	4
Twilight	4
277D:	
Busby	2M
Twilight	3M
278E:	
Busby	2M
Yetull	3M
293E:	
Cambeth	4
Cabbart	4
Kirby	4
296F:	
Cambeth	2M
Cabbart	4
Rock outcrop	4
297C:	
Cambeth	2M
Megonot	2M
297D:	
Cambeth	2M
Megonot	2M
297E:	
Cambeth	4
Cabbart	4
Yawdim	4
311A:	
Ryell	3M
341D:	
Tally	2M
Vebar	3M
342C:	
Tally	2M
Shambo	1
352D:	
Chinook	2M
Twilight	3M

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
353C:	
Chinook	2M
Kremlin	1
355C:	
Chinook	2M
Twilight	3M
Eapa	1
357D:	
Chinook	2M
Lihen	3M
Twilight	3M
361E:	
Doney	--
Broadus	--
Cabba	4
381F:	
Delpoint	4
Armells	4
383F:	
Delpoint	4
Cabbart	4
Yawdim	4
385E:	
Delpoint	4
Yamacall	4
Cabbart	4
386F:	
Cabbart	4
Rock outcrop	4
Delpoint	4
387D:	
Delpoint	2M
Busby	2M
Blacksheep	4
388D:	
Delpoint	2M
Kobase	1
Yawdim	4
421A:	
Gerdrum	3S
Creed	2S
421C:	
Gerdrum	3S
Creed	2S
421D:	
Gerdrum	3S
Creed	2S
432D:	
Slickspots	4
Abor	3M

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
451A:	
Glendive	2M
452A:	
Glendive	2M
453A:	
Glendive	2M
Havre	1
456A:	
Havre	1
Glendive	2M
461A:	
Hanly	3M
462A:	
Hanly	3M
Glendive	3M
471A:	
Harlake	2M
473A:	
Lallie	3W
481A:	
Havre	1
483A:	
Havre	1
486A:	
Glendive	2M
Havre	1
487A:	
Havre	1
Harlake	2M
488A:	
Havre	1
489A:	
Spinekop	1
491A:	
Ismay	3S
501C:	
Kremlin	1
Delpoint	2M
511C:	
Shambo	1
Doney	2M
531D:	
Kobase	1
532C:	
Kobase	1
Gerdrum	2S

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
534C:	
Marias	2M
542E:	
Lihen	4
Yetull	4
552D:	
Neldore	4
Abor	3M
Marvan	2M
554E:	
Delpoint	4
Weingart	3S
561C:	
Cherry	1
Cambert	2M
562D:	
Cherry	1
Cambert	2M
Cabba	4
573D:	
Lonna	1
Cambeth	2M
Yamacall	1
574E:	
Lonna	4
Cambeth	4
Cabbart	4
575C:	
Lonna	1
Cambeth	2M
576A:	
Lonna	1
576C:	
Lonna	1
577D:	
Lonna	1
Cambeth	2M
Cabbart	4
581C:	
Ivanell	3S
Cabbart	4
602C:	
Bonfri	2M
603D:	
Busby	2M
604E:	
Busby	2M
Delpoint	4
Yawdim	4

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
605D:	
Cabbart	4
Cambeth	2M
607C:	
Cambeth	2M
Cabbart	4
608C:	
Chinook	2M
612F:	
Kirby	4
Blacksheep	4
Rock outcrop	4
613C:	
Kremlin	1
Cabbart	4
615C:	
Yamacall	1
Havre	1
621B:	
Marvan	2M
Vanda	4
631F:	
Bitton	4
Cabba	4
Ringling	4
641D:	
Pinehill	1
Absher	4
650F:	
Armells	4
Delpoint	4
Cabbart	4
651C:	
Busby	2M
Twilight	3M
Blacksheep	4
652C:	
Chinook	2M
653B:	
Davidell	3S
654B:	
Eapa	1
656A:	
Gerdrum	3S
657C:	
Gerdrum	3S

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
658C:	
Gerdrum	3S
Marvan	2M
659A:	
Glendive	2M
660A:	
Hanly	3M
Glendive	2M
661A:	
Havre	1
662F:	
Neldore	4
Abor	4
663F:	
Neldore	4
Abor	4
Rock outcrop	4
664F:	
Neldore	4
Rock outcrop	4
665F:	
Tinsley	4
Cabbart	4
666C:	
Neldore	4
Volborg	4
667E:	
Weingart	3S
Neldore	4
668A:	
Zatoville	3S
681A:	
Rivra	4
Rivra	4
691F:	
Rock outcrop	4
Cabbart	4
Kirby	4
701E:	
Lamedeer	--
Broadus	--
Ringling	--
702F:	
Lamedeer	--
Cabba	4
Ringling	--

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
731E:	
Cambert	4
Cabba	4
Ringling	4
732C:	
Cambert	2M
Widen	3M
732D:	
Cambert	2M
Widen	3M
733E:	
Cambert	4
Cabba	4
Widen	4
734E:	
Cambert	4
Cherry	1
Cabba	4
742E:	
Neldore	4
Abor	3M
781A:	
Vanda	4
797E:	
Yamacall	1
Busby	4
Blacksheep	4
798C:	
Yamacall	1
Delpoint	2M
799E:	
Yamacall	4
Birney	4
Delpoint	4
802E:	
Shambo	1
Lisk	--
Dast	--
811C:	
Creed	2S
Pinehill	1
813C:	
Creed	2S
Absher	4
831F:	
Doney	4
Cabba	4
Wayden	4

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
832E:	
Doney	4
Macar	4
Cabba	4
841F:	
Birney	--
Armells	4
Cabbart	4
842F:	
Cabbart	4
Yawdim	4
Rock outcrop	4
843E:	
Delpoint	--
Delpoint	4
Cabbart	4
844A:	
Havre	1
Harlake	2M
Glendive	2M
845C:	
Ivanell	3S
Davidell	3S
846F:	
Blacksheep	4
Delpoint	4
Rock outcrop	4
847E:	
Busby	4
Yetull	3M
Rock outcrop	4
862E:	
Doney	--
Lamedeer	--
Cabba	4
862F:	
Doney	--
Lamedeer	--
Cabba	4
871C:	
Morton	2M
Farland	1
891D:	
Yamacall	1
Birney	3M
Delpoint	2M
892D:	
Yamacall	1
Delpoint	2M
Cabbart	4

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
901A:	
Sonnett	2M
Sonnett	2M
901C:	
Sonnett	2M
Sonnett	2M
902C:	
Sonnett	2M
Slickspots	4
910B:	
Antwerp	3S
911F:	
Armells	4
Cabbart	4
912F:	
Armells	4
Kirby	4
913D:	
Birney	3M
Cooers	1
Kirby	4
914D:	
Bullock	3S
Ralore	4
916E:	
Busby	2M
Twilight	4
Blacksheep	4
917D:	
Cambeth	2M
Cabbart	4
918E:	
Cambeth	2M
Cabbart	4
919F:	
Delpoint	4
Cabbart	4
921F:	
Twilight	4
Blacksheep	4
Busby	2M
931C:	
Ralph	2M
Brushton	1
940E:	
Delpoint	4
Yamacall	1
Cabbart	4

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
941C:	
Gerdrum	3S
Kobase	1
942A:	
Harlake	2M
943F:	
Kirby	4
Cabbart	4
Rock outcrop	4
944E:	
Kobase	1
Cabbart	4
Yawdim	4
945A:	
Lonna	1
Alona	3S
945C:	
Lonna	1
Alona	3S
946A:	
Lonna	1
Antwerp	3S
946C:	
Lonna	1
Antwerp	3S
947E:	
Lonna	1
Cabbart	4
Yawdim	4
948B:	
Rominell	2S
949E:	
Tinsley	4
951C:	
Vanstel	1
952D:	
Yamacall	1
Birney	3M
953E:	
Yamacall	4
Birney	4
Cabbart	4
954C:	
Yamacall	1
Busby	2M
954D:	
Yamacall	1
Busby	2M

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
955D:	
Yamacall	1
Delpoint	2M
956F:	
Yawdim	4
Cabbart	4
Kobase	4
957E:	
Abor	4
Cabbart	4
Delpoint	4
958D:	
Abor	3M
Delpoint	2M
Kobase	1
959D:	
Abor	3M
Weingart	3S
Neldore	4
960A:	
Busby	2M
961C:	
Busby	2M
Yetull	3M
962F:	
Cambert	4
Bigsheep	4
Golva	1
963E:	
Cambeth	4
Cabbart	4
Lonna	4
964E:	
Cambeth	2M
Cabbart	4
Yawdim	4
965C:	
Chinook	2M
Twilight	3M
966D:	
Chinook	2M
Twilight	3M
Blacksheep	4
967E:	
Delpoint	4
Cabbart	4
Yawdim	4
968E:	
Delpoint	2M
Yamacall	1
Cabbart	4

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
969C:	
Eapa	1
Delpoint	2M
971E:	
Lisk	2M
Cohagen	4
Dast	4
981C:	
Macar	1
Doney	2M
982D:	
Macar	1
Doney	2M
Cabba	4
983E:	
Macar	2M
Lisk	2M
Cohagen	4
990E:	
Lihen	4
Tinsley	4
991F:	
Neldore	4
Rock outcrop	4
Abor	4
992C:	
Parshall	2M
993C:	
Pinehill	1
Weingart	3S
Gerdrum	3S
994E:	
Cabbart	4
Bullock	3S
995C:	
Yamacall	1
Gerdrum	3S
996A:	
Yetull	3M
Busby	2M
4621A:	
Hanly	3M
Glendive	2M
4861A:	
Glendive	2M
Havre	1

Windbreak Suitability Groups (Continued)

Soil name and map symbol	Windbreak suitability group
4871A:	
Havre	1
Harlake	2M
4881A:	
Havre	1

Windbreak Suitability Group Species

(The symbol < means less than; > means more than. Absence of an entry indicates that trees generally do not grow to the height for that group. Suitability group 4 is generally not suited for windbreak development.)

Windbreak suitability group	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
1	Western sandcherry, Nanking cherry	Siberian peashrub, green ash, Rocky Mountain juniper, Tatarian honeysuckle, Siberian crabapple, ponderosa pine, blue spruce, lilac	Russian-olive, Siberian elm	---	---
2M	Western sandcherry, skunkbush sumac	Siberian peashrub, Russian-olive, Rocky Mountain juniper, ponderosa pine	Siberian elm	---	---
2S	Skunkbush sumac	Siberian peashrub, Rocky Mountain juniper, ponderosa pine, common chokecherry, silver buffaloberry	Russian-olive, Siberian elm	---	---
3M	Western sandcherry, Nanking cherry	Siberian peashrub, green ash, Rocky Mountain juniper, Siberian crabapple, ponderosa pine, blue spruce, common chokecherry, lilac	Russian-olive, Siberian elm	---	---
3S	Skunkbush sumac	Siberian peashrub, Rocky Mountain juniper, ponderosa pine, common chokecherry, silver buffaloberry	Russian-olive, Siberian elm	---	---
3W	American plum, Siberian peashrub, redosier dogwood,	common choke chokecherry, eastern redcedar, Black Hills spruce, Siberian crabapple, lilac	green ash	golden willow	---
4	---	---	---	---	---

Range

Range makes up about 76 percent of the land in Custer County. The areas of range provide forage for about 79,000 cattle and 10,000 sheep and lambs. Nearly 82 percent of the farm income in the county is derived from the sale of livestock.

Most grazing is on native range. The range is used primarily for grazing by domestic livestock; however, it also is used as wildlife habitat, recreational areas, and watershed and has esthetic value.

In areas that have similar climate and topography, differences in the kind and amount of vegetation produced on range are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

Range is defined as land on which the native vegetation (the climax, or natural potential, plant community) is predominantly grasses, grasslike plants, forbs, and shrubs suitable for grazing and browsing. Range includes natural grasslands, savannas, many wetlands, some deserts, tundra, and certain shrub and forb communities. Range receives no regular or frequent cultural treatment. The composition and production of the plant community are determined by soil, climate, topography, overstory canopy, and grazing management.

Grazed forest land is defined as land on which the understory includes, as an integral part of the forest plant community, plants that can be grazed without significant impairment of other forest values.

Native pasture is defined as land on which the potential (climax) vegetation is forest but which is used and managed primarily for the production of native forage plants. Native pasture includes cutover forest land and forest land that has been cleared and is managed for native or naturalized forage plants.

The table "Rangeland Productivity and Characteristic Plant Communities" at the end of this section shows, for each listed soil, the range site; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. Only those soils that are used as rangeland or are suited to use as rangeland are listed. Explanation of the column headings in this table follows.

Range site is a distinctive kind of rangeland that produces a characteristic natural plant community that differs from natural plant communities on other range sites in kind, amount, and proportion of range plants.

Many different range sites are in the survey area. Over time, the combination of plants best suited to a particular soil and climate has become established. If the soil is not excessively disturbed, this group of plants is the natural plant community for the site. Natural plant communities are not static but vary slightly from year to year and place to place.

The relationship between soils and vegetation was ascertained during this survey; thus, range sites generally can be determined directly from the soil map. Soil properties that affect moisture supply and plant nutrients have the greatest influence on the productivity of range plants. Soil reaction, salt content, and a seasonal high water table are also important. The "Field Office Technical Guide," which is available at local offices of the Natural Resources Conservation Service, can provide specific information about range sites.

Total production is the amount of vegetation that can be expected to grow annually on well managed range that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruit of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture.

Dry weight is the total annual yield per acre of air-dry vegetation. Yields are adjusted to a common percent of air-dry moisture content. The relationship of green weight to air-dry weight varies according to such factors as exposure, amount of shade, recent rains, and unseasonable dry periods.

Characteristic vegetation consists of the grasses,

forbs, and shrubs that make up most of the potential natural plant community on each soil. The plants are listed by common name. Under *composition*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range Condition

Range condition is based on a comparison of the present plant community with the potential natural plant community on a particular range site. The more closely the existing community resembles the natural community, the better the range condition.

Abnormal disturbances that change the natural plant community include repeated overuse by livestock, excessive burning, erosion, and plowing. Grazing animals select the most palatable plants. These plants will eventually die if they are continually grazed. A very severe disturbance can completely destroy the natural community. Under these conditions, the less desirable plants, such as annuals and weedlike plants, can invade. If the plant community has not deteriorated significantly, it eventually can return to dominantly natural plants if proper grazing management is applied.

Four range condition classes are used to show the degree of deterioration of the natural plant community.

An area of rangeland is in *excellent condition* if more than 75 percent of the present plant community is the same as the natural plant community. It is in *good condition* if the natural plants make up 51 to 75 percent of the present plant community, in *fair condition* if those plants make up 26 to 50 percent, and in *poor condition* if they make up less than 25 percent.

Knowledge of the range site and condition is necessary as a basis for planning and applying the management needed to maintain or improve the desired plant community for selected uses. Such information is needed to determine management objectives, proper grazing systems and stocking rates, suitable wildlife management practices, the potential for recreational uses, and the condition of watersheds.

Rangeland Management

Rangeland management requires a knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range condition.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, reduction of less desirable species, conservation of water, and control of erosion. Sometimes, however, a range condition somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Grazing management is the most important part of any rangeland management program. Proper grazing use, timely deferment of grazing, and planned rotation grazing systems are key practices. The experience of ranchers and research have shown that if no more than one-half of the current year's growth is grazed, a plant community in good or excellent condition can be maintained and one in fair condition can be improved. The remaining one-half enables plants to make and store food for regrowth and root development. As a result, the desirable plants remain healthy and are not replaced by less desirable grasses and weeds. Also, the plant cover protects the soil from water erosion and soil blowing, improves tilth, increases the rate of water infiltration, and helps to control runoff.

Certain practices commonly are needed to obtain a uniform distribution of grazing. These include developing livestock watering facilities, fencing, properly locating salt and mineral supplements, constructing livestock trails in steeply sloping areas, and riding or herding.

Various kinds of grazing systems can be used in range management. No single grazing system is best under all conditions. The grazing system should increase the quantity and improve the quality of the range vegetation, should meet the needs of the individual operator, and should be designed according to the topography, the type of grazing animals, and the resource management objectives.

Special improvement practices are needed in areas where management practices do not achieve the desired results or where recovery is too slow under forage management alone. These include range seeding, brush management, water spreading, prescribed burning, and mechanical treatment.

Some soils are suited to mechanical treatment for range improvement. On other soils, however, only proper grazing management can improve the range. Many soils in capability classes 1 through 4 are suited to such practices as seeding, mechanical brush and weed control, and water spreading. Those in capability classes 7 and 8, however, are not suitable. Many soils in capability classes 1 through 4 are suited to tillage for seedbed preparation before native or introduced forage plant species are seeded. Soils in capability class 6 may be suited to limited surface disturbance, such as scarification, for the purpose of seeding and as a

means of increasing the rate of water infiltration for seed germination.

Where feasible, mechanical renovation practices, such as shallow chiseling, can help to speed recovery of the desired plants. These practices open up the surface and thus allow the absorption of more moisture and production of the more desirable plants. Mechanical renovation, brush management, and timely deferment of grazing allow recovery of the desired plants.

Seeding may be needed in areas where the less desirable plants are dominant. A clean, firm seedbed should be prepared, suitable species should be selected for seeding, and rest periods should be long enough to allow the new plants to become established.

Special improvement practices can be effective only if the management system helps to keep the desirable plants healthy.

Forest Land Understory Vegetation

Understory vegetation consists of grasses, forbs, shrubs, and other plants. If well managed, some forest land can produce enough understory vegetation to support grazing of livestock or wildlife, or both, without damage to the trees.

The quantity and quality of understory vegetation vary with the kind of soil, the age and kind of trees in the canopy, the density of the canopy, and the depth and condition of the litter. The density of the canopy determines the amount of light that understory plants receive.

The table "Understory Vegetation" at the end of this section shows, for each soil suitable for forest land, the potential for producing understory vegetation. The *total production* of understory vegetation includes the herbaceous plants and the leaves, twigs, and fruit of woody plants up to a height of 4.5 feet. It is expressed in pounds per acre of air-dry vegetation in favorable, normal, and unfavorable years. In a favorable year, soil moisture is above average during the optimal part of the growing season; in a normal year, soil moisture is average; and in an unfavorable year, it is below average.

The table also lists the common names of the *characteristic vegetation* on each soil and the *composition*, by percentage of air-dry weight, of each kind of plant. The table shows the kind and percentage of understory plants expected under a canopy density that is most nearly typical of forest land in which the production of wood crops is highest.

Rangeland Productivity and Characteristic Plant Communities

(Only the soils that support rangeland vegetation suitable for grazing are listed. Ppt means precipitation)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
3F:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	---	Green needlegrass	20
		Normal	800	Western wheatgrass	20
		Unfavorable	500	Sideoats grama	10
				Thickspike wheatgrass	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Plains muhly	5
				Unknown	5
				Big sagebrush	5
12E:					
Wabek	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	25
		Normal	900	Little bluestem	20
		Unfavorable	500	Plains muhly	15
				Needleandthread	15
				Unknown	10
				Sand dropseed	5
				Yucca	3
14B:					
Alona	Silty, saline, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Western wheatgrass	30
		Normal	1,300	Green needlegrass	25
		Unfavorable	800	Inland saltgrass	10
				Blue grama	5
				Needleandthread	5
				Fourwing saltbush	5
				Unknown	5
				Sandberg bluegrass	5
				Unknown	5
18E:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Havre	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Western wheatgrass	20
		Normal	2,000	Slender wheatgrass	10
		Unfavorable	1,000	Green needlegrass	10
				Needleandthread	5
				Common snowberry	5
				Common chokecherry	5
				Canada wildrye	5
				Silver sagebrush	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
19C:					
Archin	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	35
		Normal	800	Needleandthread	20
		Unfavorable	500	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5
21C:					
Benz	Saline upland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	600	Western wheatgrass	30
		Normal	400	Alkali sacaton	15
		Unfavorable	100	Unknown	10
				Nuttall's alkaligrass	10
				Fourwing saltbush	8
				Elymus elymoides ssp. elymoides	5
				Inland saltgrass	5
				Greasewood	5
				Plains reedgrass	5
				Unknown	2
24B:					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	25
		Unfavorable	1,100	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	1
25A:					
Marias	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Unknown	5
27A:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
27C:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
30C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	20
		Normal	1,700	Green needlegrass	10
		Unfavorable	1,100	Slender wheatgrass	10
				Needleandthread	5
				Common snowberry	5
				Common chokecherry	5
				Silver sagebrush	1
31A:					
Ryell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	40
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Silver buffaloberry	10
				Unknown	5
				Boxelder	1
				Bluebunch wheatgrass	1
33A:					
Chanta	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	20
		Normal	1,700	Green needlegrass	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Unknown	10
				Needleandthread	10
				Little bluestem	5
				Unknown	5
				Silver sagebrush	3
				Winterfat	2
34C:					
Tally	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Little bluestem	20
		Normal	2,300	Needleandthread	20
		Unfavorable	1,800	Prairie sandreed	15
				Western wheatgrass	15
				Unknown	10
				Unknown	7
				Sand bluestem	5
				Sand dropseed	3
				Sideoats grama	2
35C:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Needleandthread	20
		Unfavorable	1,000	Little bluestem	10
				Indian ricegrass	5
				Western wheatgrass	5
				Yucca	5
				Unknown	5
				Big bluestem	5
				Sand dropseed	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
37B:					
Degrand	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Unknown	15
				Green needlegrass	10
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
				Unknown	5
39A:					
Ethridge	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	30
		Unfavorable	900	Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
39C:					
Ethridge	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	30
		Unfavorable	900	Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
40A:					
Savage	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	60
		Normal	1,500	Green needlegrass	18
		Unfavorable	900	Unknown	7
				Big sagebrush	5
				Blue grama	5
				Unknown	5
40C:					
Savage	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	60
		Normal	1,500	Green needlegrass	18
		Unfavorable	900	Unknown	7
				Big sagebrush	5
				Blue grama	5
				Unknown	5
41A:					
Eapa	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Unknown	15
				Bluebunch wheatgrass	10
				Green needlegrass	10
				Unknown	10
				Silver sagebrush	5
41C:					
Eapa	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Unknown	15
				Bluebunch wheatgrass	10
				Green needlegrass	10
				Unknown	10
				Silver sagebrush	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
43F:					
Abor	Thin clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Green needlegrass	35
		Normal	1,300	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
Lilsheep	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	40
		Normal	900	Little bluestem	20
		Unfavorable	500	Needleandthread	10
				Plains muhly	10
				Sideoats grama	5
				Wormwood	3
				Winterfat	2
44A:					
Farnuf	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Green needlegrass	15
				Needleandthread	10
				Winterfat	5
				Sideoats grama	5
				Plains muhly	5
				Unknown	5
44C:					
Farnuf	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Green needlegrass	15
				Needleandthread	10
				Winterfat	5
				Sideoats grama	5
				Plains muhly	5
				Unknown	5
45A:					
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Little bluestem	20
		Normal	1,700	Needleandthread	20
		Unfavorable	1,000	Prairie sandreed	15
				Western wheatgrass	15
				Indian ricegrass	5
				Blue grama	5
				Green needlegrass	5
				Unknown	3
				Common snowberry	2
				Unknown	1
46A:					
Hanly	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,100	Little bluestem	20
		Normal	2,600	Needleandthread	20
		Unfavorable	1,800	Prairie sandreed	15
				Western wheatgrass	15
				Indian ricegrass	5
				Green needlegrass	5
				Sand bluestem	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
47A:					
Harlake	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Silver sagebrush	5
				Unknown	1
				Snowberry	1
50C:					
Kremlin	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Needleandthread	10
				Winterfat	5
				Unknown	5
51C:					
Shambo	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	15
		Normal	2,200	Bluebunch wheatgrass	10
		Unfavorable	1,600	Big bluestem	10
				Needleandthread	10
				Western wheatgrass	10
				Little bluestem	10
				Plains muhly	5
				Unknown	5
52A:					
Sagedale	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,500	Green needlegrass	25
		Normal	2,100	Western wheatgrass	20
		Unfavorable	1,600	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Unknown	5
				Sedge	5
				Little bluestem	5
52C:					
Sagedale	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,500	Green needlegrass	25
		Normal	2,100	Western wheatgrass	20
		Unfavorable	1,600	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Unknown	5
				Sedge	5
				Little bluestem	5
53A:					
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
53C:					
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
53D:					
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
56A:					
Cherry	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	35
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Needleandthread	15
				Unknown	10
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
56C:					
Cherry	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	35
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Needleandthread	15
				Unknown	10
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
57A:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
57C:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
59C:					
Farland	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Unknown	15
				Unknown	10
				Needleandthread	10
				Bluebunch wheatgrass	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
60A:					
Golva	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Needleandthread	15
		Unfavorable	1,600	Blue grama	15
				Unknown	15
				Unknown	10
				Green needlegrass	10
				Unknown	5
				Unknown	5
60C:					
Golva	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Needleandthread	15
		Unfavorable	1,600	Blue grama	15
				Unknown	15
				Unknown	10
				Green needlegrass	10
				Unknown	5
				Unknown	5
61A:					
Marias	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Unknown	5
62A:					
Marvan	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	30
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	5
				Winterfat	5
				Fourwing saltbush	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Greasewood	1
62C:					
Marvan	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	30
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	5
				Winterfat	5
				Fourwing saltbush	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Greasewood	1
64A:					
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
64C:					
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Unknown	5
64D:					
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Unknown	5
75C:					
Weingart	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	500	Unknown	10
				Thickspick wheatgrass	10
				Needleandthread	10
				Fourwing saltbush	10
				Winterfat	5
				Unknown	5
				Unknown	5
Ivanell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	30
		Unfavorable	1,100	Plains muhly	10
				Thickspick wheatgrass	10
				Winterfat	5
				Unknown	5
				Unknown	5
76B:					
Vanstel	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Bluebunch wheatgrass	25
		Unfavorable	1,100	Green needlegrass	10
				Needleandthread	10
				Little bluestem	10
				Unknown	10
				Unknown	5
				Unknown	5
76C:					
Vanstel	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Bluebunch wheatgrass	25
		Unfavorable	1,100	Green needlegrass	10
				Needleandthread	10
				Little bluestem	10
				Unknown	10
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
77A:					
Havre	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Western wheatgrass	20
		Normal	2,300	Slender wheatgrass	10
		Unfavorable	1,500	Green needlegrass	10
				Needleandthread	5
				Common snowberry	5
				Common chokecherry	5
				Canada wildrye	5
				Silver sagebrush	1
Bigsandy	Subirrigated, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	5,000	Basin wildrye	25
		Normal	4,000	Unknown	15
		Unfavorable	3,000	Prairie cordgrass	10
				Northern reedgrass	10
				Unknown	5
				Slender wheatgrass	5
				Unknown	5
				Baltic rush	5
				Sedge	5
				Mat muhly	5
				Unknown	5
				Canada wildrye	5
79A:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
79C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
79D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
81A:					
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	45
		Normal	800	Green needlegrass	15
		Unfavorable	500	Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
81C:					
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	45
		Normal	800	Green needlegrass	15
		Unfavorable	500	Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5
85C:					
Foreleft	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Unknown	10
				Sandberg bluegrass	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5
88A:					
Floweree	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	10
		Unfavorable	1,100	Needleandthread	10
				Threadleaf sedge	5
				Winterfat	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
88C:					
Floweree	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	10
		Unfavorable	1,100	Needleandthread	10
				Threadleaf sedge	5
				Winterfat	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
90A:					
Sonnett	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Bluebunch wheatgrass	10
				Unknown	10
				Unknown	5
				Blue grama	5
				Threadleaf sedge	5
90C:					
Sonnett	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Bluebunch wheatgrass	10
				Unknown	10
				Unknown	5
				Blue grama	5
				Threadleaf sedge	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
93B:					
Brushton	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Unknown	10
				Unknown	5
				Silver sagebrush	5
				Bluebunch wheatgrass	5
				Blue grama	5
				Unknown	5
98A:					
Macar	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	20
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Western wheatgrass	15
				Needleandthread	10
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
98C:					
Macar	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	20
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Western wheatgrass	15
				Needleandthread	10
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
112C:					
Absher	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	50
		Normal	900	Green needlegrass	10
		Unfavorable	600	Greasewood	10
				Elymus elymoides ssp. elymoides	5
				Unknown	5
				Plains reedgrass	5
				Inland saltgrass	5
				Fourwing saltbush	5
				Winterfat	2
121D:					
Kremlin	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Needleandthread	10
				Winterfat	5
				Unknown	5
Tinsley	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Plains muhly	15
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Sand dropseed	10
				Yucca	5
				Sedge	5
				Indian ricegrass	5
				Western wheatgrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
121D: (cont.)					
Degrand	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Unknown	15
				Green needlegrass	10
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
				Unknown	5
122D:					
Tinsley	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Plains muhly	15
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Sand dropseed	10
				Yucca	5
				Sedge	5
				Indian ricegrass	5
				Western wheatgrass	5
Chanta	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	20
		Normal	1,700	Green needlegrass	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Unknown	10
				Needleandthread	10
				Little bluestem	5
				Unknown	5
				Silver sagebrush	3
				Winterfat	2
123F:					
Tinsley	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Plains muhly	15
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Sand dropseed	10
				Yucca	5
				Sedge	5
				Indian ricegrass	5
				Western wheatgrass	5
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	20
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
151F:					
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	35
		Normal	1,300	Little bluestem	20
		Unfavorable	900	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	45
		Normal	500	Little bluestem	15
		Unfavorable	200	Unknown	10
				Plains muhly	5
				Skunkbush sumac	5
				Needleandthread	5
				Sideoats grama	5
				Juniper	1
191C:					
Archin	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	35
		Normal	800	Needleandthread	20
		Unfavorable	500	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
192C:					
Archin	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	35
		Normal	800	Needleandthread	20
		Unfavorable	500	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
192C: (cont.)					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	25
		Unfavorable	1,100	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	1
Bullock	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	35
		Normal	800	Needleandthread	20
		Unfavorable	500	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5
222D:					
Floweree	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	10
		Unfavorable	1,100	Needleandthread	10
				Threadleaf sedge	5
				Winterfat	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Lilsheep	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	40
		Normal	900	Little bluestem	20
		Unfavorable	500	Needleandthread	10
				Plains muhly	10
				Sideoats grama	5
				Wormwood	3
				Winterfat	2
228F:					
Cambeth	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Little bluestem	20
		Normal	1,300	Bluebunch wheatgrass	15
		Unfavorable	900	Sideoats grama	15
				Western wheatgrass	15
				Plains muhly	10
				Needleandthread	5
				Green needlegrass	5
				Unknown	5
				Unknown	5
				Juniper	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
228F: (cont.)					
Lilsheep	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	40
		Normal	900	Little bluestem	20
		Unfavorable	500	Needleandthread	10
				Plains muhly	10
				Sideoats grama	5
				Wormwood	3
				Winterfat	2
Lonna	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Little bluestem	20
		Normal	1,300	Bluebunch wheatgrass	15
		Unfavorable	900	Western wheatgrass	15
				Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Unknown	5
				Green needlegrass	5
241B:					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	25
		Unfavorable	1,100	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Greasewood	1
				Unknown	1
Antwerp	Saline upland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	600	Alkali sacaton	25
		Normal	400	Western wheatgrass	25
		Unfavorable	100	Fourwing saltbush	20
				Unknown	10
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Sandberg bluegrass	5
242C:					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	25
		Unfavorable	1,100	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	1
Ivanell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Green needlegrass	10
				Unknown	5
				Unknown	5
				Unknown	5
				Winterfat	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
271E:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Prairie sandreed	10
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Indian ricegrass	5
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Unknown	5
				Skunkbush sumac	5
Twilight	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	25
		Normal	1,300	Little bluestem	25
		Unfavorable	800	Needleandthread	10
				Plains muhly	5
				Sedge	5
				Unknown	5
				Bluebunch wheatgrass	5
				Skunkbush sumac	5
277D:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
Twilight	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
278E:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
278E: (cont.)					
Yetull	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,100	Prairie sandreed	30
		Normal	2,600	Indian ricegrass	10
		Unfavorable	2,000	Sand bluestem	10
				Unknown	10
				Little bluestem	10
				Unknown	10
				Unknown	5
				Needleandthread	5
293E:					
Cambeth	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Little bluestem	20
		Normal	1,200	Bluebunch wheatgrass	15
		Unfavorable	800	Western wheatgrass	15
				Plains muhly	10
				Green needlegrass	5
				Needleandthread	5
				Unknown	5
				Unknown	5
				Juniper	1
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	45
		Normal	600	Little bluestem	15
		Unfavorable	400	Unknown	10
				Plains muhly	5
				Needleandthread	5
				Skunkbush sumac	5
				Juniper	1
296F:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
297C:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Megonot	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Bluebunch wheatgrass	25
		Unfavorable	900	Western wheatgrass	15
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
297D:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Megonot	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Bluebunch wheatgrass	25
		Unfavorable	900	Western wheatgrass	15
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
297E:					
Cambeth	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	900	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
297E: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Green needlegrass	20
		Normal	800	Western wheatgrass	20
		Unfavorable	500	Sideoats grama	10
				Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Plains muhly	5
				Unknown	5
				Big sagebrush	5
311A:					
Ryell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	25
		Unfavorable	1,100	Needleandthread	15
				Bluebunch wheatgrass	10
				Common snowberry	5
				Unknown	5
				Silver sagebrush	5
341D:					
Tally	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Little bluestem	20
		Normal	2,300	Needleandthread	20
		Unfavorable	1,800	Prairie sandreed	15
				Western wheatgrass	15
				Unknown	10
				Unknown	7
				Sand bluestem	5
				Sand dropseed	3
				Sideoats grama	2
Vebar	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Prairie sandreed	20
		Normal	2,300	Little bluestem	20
		Unfavorable	1,800	Indian ricegrass	15
				Needleandthread	10
				Bluebunch wheatgrass	10
				Western wheatgrass	5
				Silver sagebrush	5
342C:					
Tally	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Little bluestem	20
		Normal	2,300	Needleandthread	20
		Unfavorable	1,800	Prairie sandreed	15
				Western wheatgrass	15
				Unknown	10
				Unknown	7
				Sand bluestem	5
				Sand dropseed	3
				Sideoats grama	2

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
342C: (cont.)					
Shambo----------	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass----------	15
		Normal	2,200	Little bluestem----------	10
		Unfavorable	1,600	Bluebunch wheatgrass----------	10
				Needleandthread----------	10
				Western wheatgrass----------	10
				Plains muhly----------	5
				Sideoats grama----------	5
				Unknown----------	5
352D:					
Chinook---------	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed----------	35
		Normal	1,700	Needleandthread----------	20
		Unfavorable	1,000	Little bluestem----------	10
				Western wheatgrass----------	5
				Yucca----------	5
				Unknown----------	5
				Indian ricegrass----------	5
				Sand dropseed----------	5
Twilight--------	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed----------	35
		Normal	1,700	Little bluestem----------	20
		Unfavorable	1,000	Needleandthread----------	15
				Western wheatgrass----------	5
				Indian ricegrass----------	5
				Unknown----------	5
				Bluebunch wheatgrass----------	5
353C:					
Chinook---------	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed----------	35
		Normal	1,700	Needleandthread----------	20
		Unfavorable	1,000	Little bluestem----------	10
				Western wheatgrass----------	5
				Yucca----------	5
				Unknown----------	5
				Indian ricegrass----------	5
				Sand dropseed----------	5
Kremlin---------	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass----------	30
		Normal	1,700	Green needlegrass----------	20
		Unfavorable	1,100	Bluebunch wheatgrass----------	10
				Needleandthread----------	10
				Winterfat----------	5
				Unknown----------	5
355C:					
Chinook---------	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed----------	35
		Normal	1,700	Needleandthread----------	20
		Unfavorable	1,000	Little bluestem----------	10
				Western wheatgrass----------	5
				Yucca----------	5
				Unknown----------	5
				Indian ricegrass----------	5
				Sand dropseed----------	5
Twilight--------	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed----------	35
		Normal	1,700	Little bluestem----------	20
		Unfavorable	1,000	Needleandthread----------	15
				Western wheatgrass----------	5
				Indian ricegrass----------	5
				Unknown----------	5
				Bluebunch wheatgrass----------	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
355C: (cont.)					
Eapa	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Little bluestem	15
		Unfavorable	1,100	Unknown	15
				Unknown	10
				Bluebunch wheatgrass	10
				Needleandthread	10
				Silver sagebrush	5
357D:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Needleandthread	20
		Unfavorable	1,000	Little bluestem	10
				Western wheatgrass	5
				Yucca	5
				Unknown	5
				Indian ricegrass	5
				Sand dropseed	5
Lihen	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,100	Prairie sandreed	20
		Normal	2,600	Little bluestem	15
		Unfavorable	2,000	Big bluestem	10
				Unknown	10
				Indian ricegrass	5
				Western wheatgrass	5
				Unknown	5
				Sand bluestem	5
				Unknown	5
				Needleandthread	5
				Sand dropseed	5
Twilight	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
361E:					
Doney	Forested	Favorable	700	Unknown	20
		Normal	600	Big bluestem	15
		Unfavorable	500	Green needlegrass	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Juniper	5
				Common chokecherry	5
				Common snowberry	5
				Western wheatgrass	5
				Skunkbush sumac	5
				Sideoats grama	5
Broadus	Forested	Favorable	600	Little bluestem	15
		Normal	500	Green needlegrass	15
		Unfavorable	400	Slender wheatgrass	10
				Milkvetch	5
				Sideoats grama	5
				Needleandthread	5
				Common yarrow	5
				Big bluestem	5
				Oregongrape	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
361E: (cont.)					
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
381F:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	20
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	35
		Normal	1,300	Little bluestem	20
		Unfavorable	900	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
383F:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	20
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Green needlegrass	20
		Normal	800	Western wheatgrass	20
		Unfavorable	500	Sideoats grama	10
				Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Plains muhly	5
				Unknown	5
				Big sagebrush	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
385E:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Bluebunch wheatgrass	20
		Normal	900	Western wheatgrass	20
		Unfavorable	500	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
386F:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	700	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	20
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
387D:					
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
387D: (cont.)					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Prairie sandreed	10
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Indian ricegrass	5
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Unknown	5
				Skunkbush sumac	5
388D:					
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	5
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Green needlegrass	20
		Normal	800	Western wheatgrass	20
		Unfavorable	500	Sideoats grama	10
				Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Plains muhly	5
				Unknown	5
				Big sagebrush	5
421A:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
421A: (cont.)					
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	45
		Normal	800	Green needlegrass	15
		Unfavorable	500	Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5
421C:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	45
		Normal	800	Green needlegrass	15
		Unfavorable	500	Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5
421D:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	45
		Normal	800	Green needlegrass	15
		Unfavorable	500	Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Bluebunch wheatgrass	5
				Unknown	5
				Unknown	5
432D:					
Abor	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
451A:					
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Little bluestem	20
		Normal	1,700	Prairie sandreed	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	15
				Green needlegrass	5
				Unknown	3
				Silver sagebrush	2
				Winterfat	2
				Common snowberry	2
				Common chokecherry	1
452A:					
Glendive	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Thickspick wheatgrass	10
				Prairie sandreed	5
				Green needlegrass	5
				Little bluestem	5
				Blue grama	5
				Bluebunch wheatgrass	5
				Unknown	1
				Common snowberry	1
453A:					
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Little bluestem	20
		Normal	1,700	Prairie sandreed	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	15
				Green needlegrass	5
				Unknown	3
				Silver sagebrush	2
				Winterfat	2
				Common snowberry	2
				Common chokecherry	1
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	20
				Bluebunch wheatgrass	10
				Silver sagebrush	5
456A:					
Havre	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Western wheatgrass	20
		Normal	2,300	Green needlegrass	10
		Unfavorable	1,500	Big bluestem	10
				Slender wheatgrass	10
				Needleandthread	5
				Common snowberry	5
				Common chokecherry	5
				Canada wildrye	5
				Silver sagebrush	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
456A: (cont.)					
Glendive	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Big bluestem	20
		Normal	2,300	Green needlegrass	15
		Unfavorable	1,500	Switchgrass	10
				Western wheatgrass	10
				Prairie sandreed	10
				Needleandthread	5
				Common chokecherry	5
				Little bluestem	5
				Silver buffaloberry	5
				Common snowberry	3
				Unknown	1
461A:					
Hanly	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,400	Little bluestem	20
		Normal	1,700	Needleandthread	20
		Unfavorable	900	Prairie sandreed	15
				Western wheatgrass	15
				Indian ricegrass	5
				Green needlegrass	5
				Sand bluestem	5
462A:					
Hanly	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,400	Needleandthread	30
		Normal	1,700	Prairie sandreed	15
		Unfavorable	900	Unknown	15
				Unknown	10
				Unknown	10
				Western wheatgrass	5
				Blue grama	5
				Unknown	5
				Sand dropseed	5
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Needleandthread	20
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Western wheatgrass	15
				Prairie sandreed	10
				Green needlegrass	5
				Blue grama	5
				Unknown	3
				Silver sagebrush	2
				Common snowberry	2
				Unknown	1
471A:					
Harlake	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Silver sagebrush	5
				Unknown	5
				Unknown	1
				Common snowberry	1
473A:					
Lallie	Subirrigated, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	5,000	Northern reedgrass	40
		Normal	4,000	Sedge	15
		Unfavorable	3,000	Prairie cordgrass	10
				Mannagrass	10
				Slender wheatgrass	5
				Cinquefoil	5
				Rocky mountain iris	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
481A:					
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	20
				Bluebunch wheatgrass	10
				Big bluestem	5
				Silver sagebrush	5
483A:					
Havre	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	25
		Unfavorable	900	Silver sagebrush	5
				Unknown	5
486A:					
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Needleandthread	20
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Western wheatgrass	15
				Prairie sandreed	10
				Green needlegrass	5
				Blue grama	5
				Unknown	3
				Silver sagebrush	2
				Common snowberry	2
				Unknown	1
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	20
				Bluebunch wheatgrass	10
				Silver sagebrush	5
487A:					
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	20
				Bluebunch wheatgrass	10
				Silver sagebrush	5
Harlake	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Silver sagebrush	5
				Unknown	1
				Snowberry	1
488A:					
Havre	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	25
		Unfavorable	900	Silver sagebrush	5
489A:					
Spinekop	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	30
		Normal	1,500	Green needlegrass	25
		Unfavorable	900	Bluebunch wheatgrass	20
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
491A:					
Ismay	Saline lowland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,500	Unknown	20
		Normal	2,500	Western wheatgrass	20
		Unfavorable	1,500	Alkali sacaton	20
				Inland saltgrass	15
				Nuttall's alkaligrass	5
				Sandberg bluegrass	5
501C:					
Kremlin	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Needleandthread	10
				Winterfat	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	5
511C:					
Shambo	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	15
		Normal	2,200	Little bluestem	10
		Unfavorable	1,600	Needleandthread	10
				Bluebunch wheatgrass	10
				Western wheatgrass	10
				Unknown	10
				Plains muhly	5
				Sideoats grama	5
				Unknown	5
Doney	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Bluebunch wheatgrass	20
		Normal	2,200	Western wheatgrass	15
		Unfavorable	1,600	Needleandthread	10
				Unknown	10
				Green needlegrass	5
				Blue grama	5
				Unknown	5
				Sandberg bluegrass	5
				Silver sagebrush	5
531D:					
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
532C:					
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	40
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
532C: (cont.)					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
534C:					
Marias	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Unknown	5
542E:					
Lihen	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	30
		Normal	1,300	Little bluestem	20
		Unfavorable	800	Big bluestem	15
				Needleandthread	10
				Indian ricegrass	5
				Unknown	5
				Sand dropseed	5
				Sand bluestem	5
Yetull	Gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Little bluestem	20
		Normal	500	Prairie sandreed	20
		Unfavorable	300	Needleandthread	15
				Sand bluestem	10
				Indian ricegrass	10
				Unknown	5
				Small soapweed	5
				Sun sedge	5
				Sand dropseed	5
552D:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	500	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
Abor	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
Marvan	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	30
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	5
				Winterfat	5
				Fourwing saltbush	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Greasewood	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
554E:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	25
		Normal	1,300	Needleandthread	20
		Unfavorable	900	Unknown	10
				Unknown	5
				Unknown	5
				Green needlegrass	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
Weingart	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	500	Unknown	10
				Thickspick wheatgrass	10
				Needleandthread	10
				Fourwing saltbush	10
				Winterfat	5
				Unknown	5
				Unknown	5
561C:					
Cherry	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	35
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Needleandthread	15
				Unknown	10
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
Cambert	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	30
		Normal	2,200	Little bluestem	15
		Unfavorable	1,600	Unknown	10
				Needleandthread	10
				Green needlegrass	10
				Bluebunch wheatgrass	10
				Threadleaf sedge	5
				Unknown	5
				Winterfat	3
				Silver sagebrush	2
562D:					
Cherry	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	35
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Needleandthread	15
				Unknown	10
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
Cambert	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	30
		Normal	2,200	Little bluestem	15
		Unfavorable	1,600	Unknown	10
				Needleandthread	10
				Green needlegrass	10
				Bluebunch wheatgrass	10
				Threadleaf sedge	5
				Unknown	5
				Winterfat	3
				Silver sagebrush	2

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
562D: (cont.)					
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	900	Needleandthread	10
				Prairie sandreed	10
				Unknown	10
				Green needlegrass	5
				Plains muhly	5
				Bluebunch wheatgrass	5
573D:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
574E:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	35
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
Cambeth	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Little bluestem	20
		Normal	1,200	Bluebunch wheatgrass	15
		Unfavorable	800	Western wheatgrass	15
				Plains muhly	10
				Green needlegrass	5
				Needleandthread	5
				Unknown	5
				Unknown	5
				Juniper	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
574E: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
575C:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	35
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
576A:					
Lonna	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	30
		Unfavorable	900	Thickspick wheatgrass	10
				Plains muhly	5
				Little bluestem	5
				Bluebunch wheatgrass	5
				Unknown	5
				Big sagebrush	3
				Winterfat	3
576C:					
Lonna	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	30
		Unfavorable	900	Thickspick wheatgrass	10
				Plains muhly	5
				Little bluestem	5
				Bluebunch wheatgrass	5
				Unknown	5
				Big sagebrush	3
				Winterfat	3

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
577D:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	35
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Green needlegrass	15
				Bluebunch wheatgrass	10
				Thickspick wheatgrass	5
				Little bluestem	5
				Unknown	5
				Winterfat	3
				Big sagebrush	1
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
581C:					
Ivanell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Green needlegrass	10
				Unknown	5
				Unknown	5
				Unknown	5
				Winterfat	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
602C:					
Bonfri	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	20
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
603D:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Prairie sandreed	25
		Normal	1,700	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Indian ricegrass	10
				Threadleaf sedge	5
				Wormwood	5
				Small soapweed	5
604E:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	25
		Normal	1,500	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Indian ricegrass	10
				Threadleaf sedge	5
				Wormwood	5
				Small soapweed	5
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Little bluestem	30
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Western wheatgrass	20
				Needleandthread	10
				Unknown	5
				Threadleaf sedge	5
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	600	Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Blue grama	5
				Big sagebrush	5
605D:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	20
		Normal	900	Bluebunch wheatgrass	15
		Unfavorable	600	Sideoats grama	10
				Creeping juniper	5
				Wormwood	5
				Unknown	5
				Small soapweed	5
				Phlox	5
				Threadleaf sedge	5
				Skunkbush sumac	5
				Needleandthread	5
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	20
		Normal	1,500	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
607C:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	20
		Normal	1,500	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	20
		Normal	900	Bluebunch wheatgrass	15
		Unfavorable	600	Sideoats grama	10
				Creeping juniper	5
				Wormwood	5
				Unknown	5
				Small soapweed	5
				Phlox	5
				Threadleaf sedge	5
				Skunkbush sumac	5
				Needleandthread	5
608C:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Prairie sandreed	25
		Normal	1,800	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Indian ricegrass	10
				Threadleaf sedge	5
				Wormwood	5
				Small soapweed	5
612F:					
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	30
		Normal	500	Little bluestem	20
		Unfavorable	300	Creeping juniper	10
				Ponderosa pine	5
				Small soapweed	5
				Sandberg bluegrass	5
				Plains muhly	5
				Sideoats grama	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	20
		Normal	900	Bluebunch wheatgrass	15
		Unfavorable	600	Sideoats grama	10
				Creeping juniper	5
				Wormwood	5
				Unknown	5
				Small soapweed	5
				Phlox	5
				Threadleaf sedge	5
				Skunkbush sumac	5
				Needleandthread	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
613C:					
Kremlin	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	20
		Normal	1,800	Needleandthread	15
		Unfavorable	1,200	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	20
		Normal	900	Bluebunch wheatgrass	15
		Unfavorable	600	Sideoats grama	10
				Creeping juniper	5
				Wormwood	5
				Unknown	5
				Small soapweed	5
				Phlox	5
				Threadleaf sedge	5
				Skunkbush sumac	5
				Needleandthread	5
615C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	20
		Normal	1,700	Needleandthread	15
		Unfavorable	1,200	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	20
		Normal	1,800	Needleandthread	15
		Unfavorable	1,200	Bluebunch wheatgrass	15
				Green needlegrass	15
				Fringed sagewort	10
				Plains muhly	5
				Winterfat	5
				Unknown	5
621B:					
Marvan	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	30
		Normal	1,500	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	5
				Winterfat	5
				Fourwing saltbush	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Greasewood	1
Vanda	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	50
		Normal	900	Big sagebrush	10
		Unfavorable	600	Green needlegrass	5
				Wild sarsaparilla	5
				Elymus elymoides ssp. elymoides	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Nuttall's alkaligrass	5
				Greasewood	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
631F:					
Bitton	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	25
		Normal	1,300	Bluebunch wheatgrass	20
		Unfavorable	1,000	Western wheatgrass	10
				Skunkbush sumac	5
				Needleandthread	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
Ringling	Very shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Bluebunch wheatgrass	35
		Normal	900	Needleandthread	10
		Unfavorable	700	Western wheatgrass	10
				Little bluestem	10
				Skunkbush sumac	5
				Sideoats grama	5
641D:					
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Unknown	5
Absher	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	50
		Normal	900	Green needlegrass	10
		Unfavorable	600	Greasewood	10
				Elymus elymoides ssp. elymoides	5
				Unknown	5
				Plains reedgrass	5
				Inland saltgrass	5
				Fourwing saltbush	5
				Winterfat	2
650F:					
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	35
		Normal	800	Little bluestem	20
		Unfavorable	400	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Bluebunch wheatgrass	20
		Normal	900	Western wheatgrass	20
		Unfavorable	500	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
650F: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
651C:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Prairie sandreed	35
		Normal	1,300	Little bluestem	20
		Unfavorable	700	Needleandthread	15
				Western wheatgrass	5
				Big bluestem	5
				Unknown	5
				Indian ricegrass	5
				Bluebunch wheatgrass	5
Twilight	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Prairie sandreed	35
		Normal	1,400	Little bluestem	20
		Unfavorable	1,100	Needleandthread	15
				Western wheatgrass	5
				Big bluestem	5
				Unknown	5
				Indian ricegrass	5
				Bluebunch wheatgrass	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Prairie sandreed	10
		Unfavorable	600	Needleandthread	10
				Little bluestem	10
				Indian ricegrass	5
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Unknown	5
				Skunkbush sumac	5
652C:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	35
		Normal	1,400	Needleandthread	10
		Unfavorable	1,000	Little bluestem	10
				Plains muhly	5
				Threadleaf sedge	5
				Unknown	5
				Sand dropseed	5
				Thickspick wheatgrass	5
				Bluebunch wheatgrass	5
				Unknown	4
				Small soapweed	2
				Unknown	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
653B:					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	30
		Normal	1,400	Green needlegrass	25
		Unfavorable	1,000	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Greasewood	1
				Unknown	1
654B:					
Eapa	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	25
		Normal	1,500	Little bluestem	15
		Unfavorable	1,000	Unknown	15
				Unknown	10
				Bluebunch wheatgrass	10
				Needleandthread	10
				Silver sagebrush	5
				Needlegrass	5
656A:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
657C:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
658C:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
Marvan	Clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,600	Green needlegrass	30
		Normal	1,100	Western wheatgrass	30
		Unfavorable	900	Thickspick wheatgrass	5
				Winterfat	5
				Fourwing saltbush	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
				Greasewood	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
659A:					
Glendive	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	25
		Normal	1,400	Green needlegrass	15
		Unfavorable	900	Little bluestem	10
				Needleandthread	10
				Thickspick wheatgrass	5
				Prairie sandreed	5
				Winterfat	3
				Unknown	3
				Silver sagebrush	2
				Common snowberry	2
				Common chokecherry	1
660A:					
Hanly	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Little bluestem	20
		Normal	1,600	Needleandthread	20
		Unfavorable	1,200	Prairie sandreed	15
				Western wheatgrass	15
				Indian ricegrass	5
				Green needlegrass	5
				Sand bluestem	5
Glendive	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	25
		Normal	1,400	Green needlegrass	15
		Unfavorable	900	Little bluestem	10
				Needleandthread	10
				Thickspick wheatgrass	5
				Prairie sandreed	5
				Winterfat	3
				Unknown	3
				Silver sagebrush	2
				Common snowberry	2
				Silver buffaloberry	1
				Common chokecherry	1
661A:					
Havre	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Alkaligrass	20
		Normal	2,500	Alkali sacaton	20
		Unfavorable	1,800	Western wheatgrass	15
				Alkali cordgrass	10
				Unknown	10
				Unknown	10
				Basin wildrye	5
				Inland saltgrass	5
				Sedge	5
662F:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	600	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
Abor	Thin clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,600	Green needlegrass	35
		Normal	1,200	Western wheatgrass	35
		Unfavorable	800	Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Unknown	5
				Greasewood	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
663F:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	600	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
Abor	Thin clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,600	Green needlegrass	35
		Normal	1,200	Western wheatgrass	35
		Unfavorable	800	Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
				Unknown	5
				Greasewood	5
664F:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	600	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
665F:					
Tinsley	Gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	800	Bluebunch wheatgrass	30
		Normal	600	Plains muhly	15
		Unfavorable	400	Needleandthread	10
				Little bluestem	10
				Sand dropseed	10
				Yucca	5
				Sedge	5
				Indian ricegrass	5
				Western wheatgrass	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
666C:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	600	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
Volborg	Shale, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	300	Slender buckwheat	25
		Normal	200	Fourwing saltbush	20
		Unfavorable	100	Western wheatgrass	20
				Montana wheatgrass	10
				Ericameria nauseosa ssp. nauseos	10
				Longleaf sagebrush	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
667E:					
Weingart	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	500	Thickspick wheatgrass	10
				Needleandthread	10
				Fourwing saltbush	10
				Unknown	10
				Unknown	5
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	500	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
668A:					
Zatoville	Saline lowland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,500	Western wheatgrass	20
		Normal	2,700	Alkali sacaton	20
		Unfavorable	1,800	Alkali cordgrass	15
				Nuttall's alkaligrass	10
				Greasewood	10
				Unknown	5
				Basin wildrye	5
				Inland saltgrass	5
				Sedge	5
				Unknown	5
681A:					
Rivra	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Needleandthread	40
		Normal	900	Western wheatgrass	15
		Unfavorable	500	Little bluestem	15
				Blue grama	10
				Silver sagebrush	5
Rivra	Shallow to gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Prairie sandreed	40
		Normal	900	Needleandthread	15
		Unfavorable	500	Silver sagebrush	5
				Western wheatgrass	5
				Sand dropseed	5
				Unknown	5
691F:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Little bluestem	15
		Normal	900	Unknown	10
		Unfavorable	700	Needleandthread	5
				Skunkbush sumac	5
				Sideoats grama	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
701E:					
Lamedeer	Forested	Favorable	800		0
		Normal	600		0
		Unfavorable	400		0
Broadus	Forested	Favorable	600		0
		Normal	500		0
		Unfavorable	400		0
Ringling	Forested	Favorable	900		0
		Normal	600		0
		Unfavorable	400		0
702F:					
Lamedeer	Forested	Favorable	800		0
		Normal	600		0
		Unfavorable	400		0
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
Ringling	Forested	Favorable	600		0
		Normal	400		0
		Unfavorable	200		0
731E:					
Cambert	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Western wheatgrass	20
				Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Silver sagebrush	5
				Unknown	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
Ringling	Very shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Bluebunch wheatgrass	40
		Normal	900	Little bluestem	15
		Unfavorable	700	Sideoats grama	10
				Juniper	5
				Needleandthread	5
				Plains muhly	5
				Prairie sandreed	5
				Skunkbush sumac	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
732C:					
Cambert	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	30
		Normal	2,200	Little bluestem	15
		Unfavorable	1,600	Unknown	10
				Needleandthread	10
				Green needlegrass	10
				Bluebunch wheatgrass	10
				Threadleaf sedge	5
				Unknown	5
				Winterfat	3
				Silver sagebrush	2
Widen	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,500	Bluebunch wheatgrass	40
		Normal	2,100	Green needlegrass	20
		Unfavorable	1,600	Unknown	5
				Unknown	5
				Western wheatgrass	5
				Woods' rose	5
732D:					
Cambert	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	30
		Normal	2,200	Little bluestem	15
		Unfavorable	1,600	Unknown	10
				Needleandthread	10
				Green needlegrass	10
				Bluebunch wheatgrass	10
				Threadleaf sedge	5
				Unknown	5
				Winterfat	3
				Silver sagebrush	2
Widen	Clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,500	Bluebunch wheatgrass	40
		Normal	2,100	Green needlegrass	20
		Unfavorable	1,600	Unknown	5
				Unknown	5
				Western wheatgrass	5
				Woods' rose	5
733E:					
Cambert	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Western wheatgrass	20
				Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Silver sagebrush	5
				Unknown	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
Widen	Thin clayey, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Bluebunch wheatgrass	40
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Western wheatgrass	5
				Woods' rose	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
734E:					
Cambert	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Western wheatgrass	20
				Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Silver sagebrush	5
				Unknown	5
Cherry	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	35
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Needleandthread	15
				Unknown	10
				Unknown	5
				Unknown	5
				Unknown	5
				Blue grama	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	900	Needleandthread	10
				Prairie sandreed	10
				Unknown	10
				Green needlegrass	5
				Plains muhly	5
				Bluebunch wheatgrass	5
742E:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	25
		Unfavorable	500	Thickspick wheatgrass	10
				Plains muhly	10
				Big sagebrush	10
				Little bluestem	10
				Unknown	5
Abor	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	35
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Bluebunch wheatgrass	10
				Unknown	5
				Unknown	5
781A:					
Vanda	Saline lowland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,500	Western wheatgrass	20
		Normal	2,500	Nuttall's alkaligrass	15
		Unfavorable	1,500	Alkali cordgrass	15
				Inland saltgrass	10
				Alkali sacaton	10
				Slender wheatgrass	5
				Sedge	5
				Greasewood	5
				Sandberg bluegrass	5
797E:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
797E: (cont.)					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	25
		Normal	1,700	Little bluestem	25
		Unfavorable	1,000	Needleandthread	10
				Plains muhly	5
				Sedge	5
				Unknown	5
				Bluebunch wheatgrass	5
				Skunkbush sumac	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Prairie sandreed	10
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Indian ricegrass	5
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Unknown	5
				Skunkbush sumac	5
798C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Unknown	10
				Unknown	5
				Unknown	5
				Green needlegrass	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
799E:					
Yamacall	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	25
		Normal	1,300	Little bluestem	20
		Unfavorable	900	Sideoats grama	10
				Green needlegrass	10
				Plains muhly	10
				Western wheatgrass	10
				Unknown	5
				Needleandthread	5
Birney	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Little bluestem	30
		Normal	1,300	Bluebunch wheatgrass	25
		Unfavorable	900	Sideoats grama	15
				Plains muhly	10
				Needleandthread	5
				Skunkbush sumac	5
				Juniper	2

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
799E: (cont.)					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	20
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
802E:					
Shambo	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	15
		Normal	2,200	Little bluestem	10
		Unfavorable	1,600	Bluebunch wheatgrass	10
				Needleandthread	10
				Western wheatgrass	10
				Plains muhly	5
				Sideoats grama	5
				Unknown	5
Lisk	Forested	Favorable	900	Common snowberry	15
		Normal	700	Thickspick wheatgrass	10
		Unfavorable	600	Big bluestem	10
				Bluebunch wheatgrass	10
				Unknown	10
				Little bluestem	10
				Prairie rose	5
				Common yarrow	2
Dast	Forested	Favorable	800	Unknown	20
		Normal	600	Common chokecherry	15
		Unfavorable	400	Little bluestem	10
				Milkvetch	10
				Needleandthread	10
				Thickspick wheatgrass	5
				Common snowberry	5
				Big bluestem	5
				Kinnikinnick	2
811C:					
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	40
		Normal	800	Green needlegrass	20
		Unfavorable	500	Needleandthread	10
				Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	15
		Unfavorable	1,100	Bluebunch wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
813C:					
Creed	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	40
		Normal	800	Green needlegrass	20
		Unfavorable	500	Needleandthread	10
				Winterfat	10
				Threadleaf sedge	5
				Big sagebrush	5
				Unknown	5
				Unknown	5
Absher	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	50
		Normal	900	Green needlegrass	10
		Unfavorable	600	Greasewood	10
				Elymus elymoides ssp. elymoides	5
				Unknown	5
				Plains reedgrass	5
				Inland saltgrass	5
				Fourwing saltbush	5
				Winterfat	2
831F:					
Doney	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Bluebunch wheatgrass	30
		Normal	1,300	Western wheatgrass	20
		Unfavorable	1,000	Little bluestem	15
				Unknown	10
				Needleandthread	10
				Sedge	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
Wayden	Shallow clay, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,500	Green needlegrass	20
		Unfavorable	1,100	Western wheatgrass	15
				Unknown	10
				Little bluestem	10
				Plains muhly	5
				Silver sagebrush	3
				Winterfat	2
832E:					
Doney	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Bluebunch wheatgrass	30
		Normal	1,300	Western wheatgrass	20
		Unfavorable	1,000	Little bluestem	15
				Unknown	10
				Needleandthread	10
				Sedge	5
Macar	Thin silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Bluebunch wheatgrass	20
		Normal	1,300	Sideoats grama	10
		Unfavorable	1,000	Little bluestem	10
				Unknown	10
				Needleandthread	10
				Green needlegrass	5
				Plains muhly	5
				Western wheatgrass	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
832E: (cont.)					
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	900	Needleandthread	10
				Prairie sandreed	10
				Unknown	10
				Green needlegrass	5
				Plains muhly	5
				Bluebunch wheatgrass	5
841F:					
Birney	Forested	Favorable	800		0
		Normal	600		0
		Unfavorable	400		0
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	35
		Normal	800	Little bluestem	20
		Unfavorable	400	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
842F:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Western wheatgrass	40
		Normal	1,000	Green needlegrass	20
		Unfavorable	700	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
843E:					
Delpoint	Forested	Favorable	700		0
		Normal	600		0
		Unfavorable	500		0

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
843E: (cont.)					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Bluebunch wheatgrass	20
		Normal	900	Western wheatgrass	20
		Unfavorable	500	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
844A:					
Havre	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Western wheatgrass	20
		Normal	2,000	Green needlegrass	10
		Unfavorable	1,000	Big bluestem	10
				Slender wheatgrass	10
				Needleandthread	5
				Common snowberry	5
				Common chokecherry	5
				Canada wildrye	5
				Silver sagebrush	1
Harlake	Overflow, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	3,000	Green needlegrass	20
		Normal	2,500	Western wheatgrass	15
		Unfavorable	2,000	Canada wildrye	10
				Slender wheatgrass	10
				Nebraska sedge	10
				Prairie cordgrass	10
				Unknown	5
				Silver buffaloberry	5
				Unknown	5
				Redosier dogwood	2
				Common snowberry	2
Glendive	Overflow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	3,000	Big bluestem	20
		Normal	2,500	Green needlegrass	15
		Unfavorable	2,000	Switchgrass	10
				Western wheatgrass	10
				Prairie sandreed	10
				Needleandthread	5
				Common chokecherry	5
				Little bluestem	5
				Silver buffaloberry	5
				Common snowberry	3
				Unknown	1
845C:					
Ivanell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	30
		Normal	1,400	Green needlegrass	30
		Unfavorable	1,000	Plains muhly	10
				Thickspick wheatgrass	10
				Winterfat	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
845C: (cont.)					
Davidell	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	30
		Normal	1,400	Green needlegrass	25
		Unfavorable	1,000	Needleandthread	10
				Fourwing saltbush	5
				Unknown	5
				Alkali sacaton	5
				Unknown	5
				Bluebunch wheatgrass	5
				Greasewood	1
				Unknown	1
846F:					
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	20
		Normal	900	Little bluestem	15
		Unfavorable	600	Sideoats grama	10
				Plains muhly	10
				Creeping juniper	5
				Small soapweed	5
				Unknown	5
				Prairie sandreed	5
				Needleandthread	5
				Blue grama	5
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass	20
		Normal	1,100	Little bluestem	20
		Unfavorable	900	Bluebunch wheatgrass	15
				Sideoats grama	10
				Needleandthread	5
				Blue grama	5
				Plains muhly	5
				Threadleaf sedge	5
				Fringed sagewort	5
847E:					
Busby	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Little bluestem	25
		Normal	1,200	Prairie sandreed	25
		Unfavorable	1,000	Needleandthread	15
				Big bluestem	10
				Sun sedge	5
				Wormwood	5
				Sand dropseed	5
Yetull	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Little bluestem	25
		Normal	1,800	Prairie sandreed	20
		Unfavorable	1,400	Sand bluestem	20
				Threadleaf sedge	5
				Small soapweed	5
				Wormwood	5
				Needleandthread	5
				Indian ricegrass	5
862E:					
Doney	Forested	Favorable	700		0
		Normal	600		0
		Unfavorable	500		0
Lamedeer	Forested	Favorable	800		0
		Normal	600		0
		Unfavorable	400		0

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
862E: (cont.)					
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
862F:					
Doney	Forested	Favorable	700	Unknown	20
		Normal	600	Green needlegrass	10
		Unfavorable	500	Bluebunch wheatgrass	10
				Little bluestem	10
				Juniper	5
				Common chokecherry	5
				Common snowberry	5
				Western wheatgrass	5
				Skunkbush sumac	5
				Sideoats grama	5
Lamedeer	Forested	Favorable	800	Russet buffaloberry	25
		Normal	600	Common chokecherry	15
		Unfavorable	400	White spirea	10
				Saskatoon serviceberry	10
				Heartleaf arnica	5
				Oregongrape	5
				Kinnikinnick	5
				Common snowberry	5
				Unknown	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
871C:					
Morton	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	40
		Normal	2,200	Green needlegrass	20
		Unfavorable	1,600	Needleandthread	10
				Blue grama	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Farland	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Western wheatgrass	25
		Normal	2,200	Green needlegrass	15
		Unfavorable	1,600	Unknown	15
				Unknown	10
				Needleandthread	10
				Bluebunch wheatgrass	5
				Unknown	5
891D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
891D: (cont.)					
Birney	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	30
		Normal	1,700	Little bluestem	25
		Unfavorable	1,100	Needleandthread	10
				Green needlegrass	5
				Plains muhly	5
				Western wheatgrass	5
				Sideoats grama	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Unknown	10
				Unknown	5
				Unknown	5
				Green needlegrass	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
892D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Bluebunch wheatgrass	25
		Normal	1,700	Western wheatgrass	25
		Unfavorable	1,100	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Unknown	10
				Unknown	5
				Unknown	5
				Green needlegrass	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	25
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	500	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
901A:					
Sonnett	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Bluebunch wheatgrass	10
				Unknown	10
				Unknown	5
				Blue grama	5
				Threadleaf sedge	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
901A: (cont.)					
Sonnett---------	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass----------	30
		Normal	800	Green needlegrass----------	20
		Unfavorable	500	Unknown----------	10
				Needleandthread----------	10
				Threadleaf sedge----------	5
				Unknown----------	5
				Inland saltgrass----------	5
				Blue grama----------	5
				Buffalograss----------	5
				Silver sagebrush----------	5
901C:					
Sonnett---------	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass----------	30
		Normal	1,700	Green needlegrass----------	20
		Unfavorable	1,100	Needleandthread----------	15
				Bluebunch wheatgrass----------	10
				Unknown----------	10
				Unknown----------	5
				Blue grama----------	5
				Threadleaf sedge----------	5
Sonnett---------	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass----------	30
		Normal	800	Green needlegrass----------	20
		Unfavorable	500	Unknown----------	10
				Needleandthread----------	10
				Threadleaf sedge----------	5
				Unknown----------	5
				Inland saltgrass----------	5
				Blue grama----------	5
				Buffalograss----------	5
				Silver sagebrush----------	5
902C:					
Sonnett---------	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass----------	30
		Normal	800	Green needlegrass----------	20
		Unfavorable	500	Unknown----------	10
				Needleandthread----------	10
				Threadleaf sedge----------	5
				Unknown----------	5
				Inland saltgrass----------	5
				Blue grama----------	5
				Buffalograss----------	5
				Silver sagebrush----------	5
910B:					
Antwerp---------	Saline upland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	500	Alkali sacaton----------	25
		Normal	400	Western wheatgrass----------	25
		Unfavorable	200	Fourwing saltbush----------	20
				Unknown----------	10
				Montana wheatgrass----------	5
				Unknown----------	5
				Unknown----------	5
				Sandberg bluegrass----------	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
911F:					
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	35
		Normal	800	Little bluestem	20
		Unfavorable	400	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
912F:					
Armells	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	35
		Normal	800	Little bluestem	20
		Unfavorable	400	Sideoats grama	10
				Western wheatgrass	10
				Unknown	5
				Plains muhly	5
				Unknown	5
				Needleandthread	5
				Skunkbush sumac	3
				Unknown	2
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	45
		Normal	600	Little bluestem	15
		Unfavorable	400	Unknown	10
				Plains muhly	5
				Skunkbush sumac	5
				Needleandthread	5
				Sideoats grama	5
				Juniper	1
913D:					
Birney	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	30
		Normal	1,200	Little bluestem	25
		Unfavorable	800	Needleandthread	10
				Green needlegrass	5
				Plains muhly	5
				Western wheatgrass	5
				Sideoats grama	5
Cooers	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	25
		Normal	1,300	Little bluestem	15
		Unfavorable	1,000	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	5
				Unknown	5
				Plains muhly	5
				Unknown	5
				Threadleaf sedge	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
913D: (cont.)					
Kirby	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	40
		Normal	900	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	10
				Unknown	10
				Needleandthread	5
				Plains muhly	5
				Skunkbush sumac	1
914D:					
Bullock	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Western wheatgrass	35
		Normal	700	Needleandthread	20
		Unfavorable	400	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5
Ralore	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Western wheatgrass	50
		Normal	700	Thickspick wheatgrass	15
		Unfavorable	400	Low sagebrush	5
				Needleandthread	5
				Unknown	5
				Winterfat	5
				Fourwing saltbush	5
916E:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	35
		Normal	1,500	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Western wheatgrass	5
				Big bluestem	5
				Unknown	5
				Indian ricegrass	5
				Bluebunch wheatgrass	5
Twilight	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,300	Little bluestem	25
		Normal	1,000	Prairie sandreed	25
		Unfavorable	800	Big bluestem	10
				Needleandthread	10
				Plains muhly	5
				Sedge	5
				Unknown	5
				Bluebunch wheatgrass	5
				Skunkbush sumac	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	25
		Normal	900	Prairie sandreed	15
		Unfavorable	600	Little bluestem	15
				Needleandthread	10
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Indian ricegrass	5
				Skunkbush sumac	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
917D:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
918E:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	25
		Normal	1,300	Green needlegrass	20
		Unfavorable	1,000	Needleandthread	10
				Bluebunch wheatgrass	10
				Little bluestem	10
				Threadleaf sedge	5
				Thickspick wheatgrass	5
				Unknown	5
				Unknown	5
				Winterfat	3
				Unknown	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
919F:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Bluebunch wheatgrass	20
		Normal	900	Western wheatgrass	20
		Unfavorable	500	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
919F: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
921F:					
Twilight	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	25
		Normal	1,300	Little bluestem	25
		Unfavorable	800	Needleandthread	10
				Plains muhly	5
				Sedge	5
				Unknown	5
				Bluebunch wheatgrass	5
				Skunkbush sumac	5
Blacksheep	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	30
		Normal	900	Prairie sandreed	10
		Unfavorable	500	Needleandthread	10
				Little bluestem	10
				Indian ricegrass	5
				Plains muhly	5
				Sedge	5
				Western wheatgrass	5
				Unknown	5
				Unknown	5
				Skunkbush sumac	5
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Prairie sandreed	35
		Normal	1,700	Little bluestem	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	5
				Indian ricegrass	5
				Unknown	5
				Bluebunch wheatgrass	5
931C:					
Ralph	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Little bluestem	20
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	10
				Sedge	10
				Blue grama	10
				Western wheatgrass	10
				Unknown	10
				Bluebunch wheatgrass	10
Brushton	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	30
		Normal	1,700	Green needlegrass	20
		Unfavorable	1,100	Needleandthread	15
				Unknown	10
				Unknown	5
				Silver sagebrush	5
				Bluebunch wheatgrass	5
				Blue grama	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
940E:					
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Bluebunch wheatgrass	20
		Normal	900	Western wheatgrass	20
		Unfavorable	500	Little bluestem	15
				Needleandthread	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
941C:					
Gerdrum	Claypan, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,100	Western wheatgrass	30
		Normal	800	Unknown	15
		Unfavorable	500	Green needlegrass	15
				Needleandthread	10
				Alkali sacaton	5
				Unknown	5
				Big sagebrush	5
Kobase	Clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,800	Western wheatgrass	40
		Normal	1,300	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
942A:					
Harlake	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Green needlegrass	40
		Normal	1,800	Western wheatgrass	35
		Unfavorable	1,400	Unknown	10
				Silver sagebrush	5
				Unknown	5
				Unknown	1
				Common snowberry	1
943F:					
Kirby	Very shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	45
		Normal	600	Little bluestem	15
		Unfavorable	400	Unknown	10
				Plains muhly	5
				Skunkbush sumac	5
				Needleandthread	5
				Sideoats grama	5
				Juniper	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
943F: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
944E:					
Kobase	Clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,800	Western wheatgrass	40
		Normal	1,300	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Western wheatgrass	40
		Normal	1,000	Green needlegrass	20
		Unfavorable	700	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
945A:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	35
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Green needlegrass	15
				Bluebunch wheatgrass	10
				Sideoats grama	5
				Thickspick wheatgrass	5
				Unknown	5
				Little bluestem	5
				Winterfat	3
				Big sagebrush	1
Alona	Silty, saline, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	30
		Normal	1,200	Green needlegrass	25
		Unfavorable	800	Inland saltgrass	10
				Blue grama	5
				Needleandthread	5
				Fourwing saltbush	5
				Unknown	5
				Sandberg bluegrass	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
945C:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	35
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Green needlegrass	15
				Bluebunch wheatgrass	10
				Sideoats grama	5
				Thickspick wheatgrass	5
				Unknown	5
				Little bluestem	5
				Winterfat	3
				Big sagebrush	1
Alona	Silty, saline, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	30
		Normal	1,200	Green needlegrass	25
		Unfavorable	800	Inland saltgrass	10
				Blue grama	5
				Needleandthread	5
				Fourwing saltbush	5
				Unknown	5
				Sandberg bluegrass	5
				Unknown	5
946A:					
Lonna	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	35
		Normal	1,400	Green needlegrass	30
		Unfavorable	1,000	Thickspick wheatgrass	10
				Plains muhly	5
				Little bluestem	5
				Bluebunch wheatgrass	5
				Unknown	5
				Big sagebrush	3
				Winterfat	3
Antwerp	Saline upland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	500	Alkali sacaton	25
		Normal	400	Western wheatgrass	25
		Unfavorable	200	Fourwing saltbush	20
				Unknown	10
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Sandberg bluegrass	5
946C:					
Lonna	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Western wheatgrass	35
		Normal	1,400	Green needlegrass	30
		Unfavorable	1,000	Thickspick wheatgrass	10
				Plains muhly	5
				Little bluestem	5
				Bluebunch wheatgrass	5
				Unknown	5
				Big sagebrush	3
				Winterfat	3
Antwerp	Saline upland, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	500	Alkali sacaton	25
		Normal	400	Western wheatgrass	25
		Unfavorable	200	Fourwing saltbush	20
				Unknown	10
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Sandberg bluegrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
947E:					
Lonna	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Western wheatgrass	35
		Normal	1,600	Needleandthread	15
		Unfavorable	1,200	Green needlegrass	15
				Bluebunch wheatgrass	10
				Sideoats grama	5
				Thickspick wheatgrass	5
				Unknown	5
				Little bluestem	5
				Winterfat	3
				Big sagebrush	1
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Western wheatgrass	40
		Normal	1,000	Green needlegrass	20
		Unfavorable	700	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
948B:					
Rominell	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	35
		Normal	600	Needleandthread	20
		Unfavorable	500	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Unknown	5
				Unknown	5
				Montana wheatgrass	5
				Winterfat	3
				Big sagebrush	2
949E:					
Tinsley	Gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	800	Bluebunch wheatgrass	30
		Normal	600	Plains muhly	15
		Unfavorable	400	Needleandthread	10
				Little bluestem	10
				Sand dropseed	10
				Yucca	5
				Sedge	5
				Indian ricegrass	5
				Western wheatgrass	5
951C:					
Vanstel	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	25
		Normal	1,500	Bluebunch wheatgrass	25
		Unfavorable	1,000	Green needlegrass	10
				Needleandthread	10
				Little bluestem	10
				Unknown	10
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
952D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Birney	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,600	Bluebunch wheatgrass	30
		Normal	1,200	Little bluestem	25
		Unfavorable	800	Needleandthread	10
				Green needlegrass	5
				Plains muhly	5
				Western wheatgrass	5
				Sideoats grama	5
953E:					
Yamacall	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,500	Bluebunch wheatgrass	25
		Normal	1,200	Little bluestem	20
		Unfavorable	800	Sideoats grama	10
				Green needlegrass	10
				Plains muhly	10
				Western wheatgrass	10
				Unknown	5
				Needleandthread	5
Birney	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Little bluestem	30
		Normal	900	Bluebunch wheatgrass	25
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	5
				Skunkbush sumac	5
				Juniper	2
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
954C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	35
		Normal	1,500	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Western wheatgrass	5
				Big bluestem	5
				Unknown	5
				Indian ricegrass	5
				Bluebunch wheatgrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
954D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Prairie sandreed	35
		Normal	1,500	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Western wheatgrass	5
				Big bluestem	5
				Unknown	5
				Indian ricegrass	5
				Bluebunch wheatgrass	5
955D:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Bluebunch wheatgrass	25
		Normal	1,500	Western wheatgrass	25
		Unfavorable	1,000	Green needlegrass	15
				Little bluestem	10
				Needleandthread	10
				Plains muhly	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Western wheatgrass	25
		Normal	1,300	Needleandthread	20
		Unfavorable	900	Green needlegrass	15
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
				Unknown	5
				Bluebunch wheatgrass	5
				Unknown	5
956F:					
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Western wheatgrass	40
		Normal	1,000	Green needlegrass	20
		Unfavorable	700	Bluebunch wheatgrass	20
				Big sagebrush	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Kobase	Thin clayey, 10 to 14 inch Ppt zone, Pierre Shale plains	Favorable	1,800	Western wheatgrass	40
		Normal	1,300	Green needlegrass	20
		Unfavorable	900	Unknown	10
				Unknown	10
				Bluebunch wheatgrass	10

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
957E:					
Abor	Thin clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Green needlegrass	20
		Normal	1,100	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Sideoats grama	10
				Bluebunch wheatgrass	10
				Blue grama	5
				Unknown	5
				Big sagebrush	5
				Plains muhly	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	20
		Normal	900	Little bluestem	15
		Unfavorable	600	Plains muhly	10
				Sideoats grama	10
				Unknown	5
				Needleandthread	5
				Creeping juniper	5
				Western wheatgrass	5
				Blue grama	5
				Skunkbush sumac	5
Delpoint	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass	20
		Normal	1,100	Little bluestem	20
		Unfavorable	900	Bluebunch wheatgrass	15
				Sideoats grama	10
				Needleandthread	5
				Blue grama	5
				Plains muhly	5
				Threadleaf sedge	5
				Fringed sagewort	5
958D:					
Abor	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Green needlegrass	25
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Thickspick wheatgrass	15
				Big sagebrush	5
				Unknown	5
				Sandberg bluegrass	5
				Plains muhly	5
				Blue grama	5
				Plains pricklypear	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
Kobase	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Green needlegrass	25
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Thickspick wheatgrass	15
				Big sagebrush	5
				Unknown	5
				Sandberg bluegrass	5
				Plains muhly	5
				Blue grama	5
				Plains pricklypear	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
959D:					
Abor	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Green needlegrass	25
		Normal	1,300	Western wheatgrass	20
		Unfavorable	900	Thickspick wheatgrass	15
				Big sagebrush	5
				Unknown	5
				Sandberg bluegrass	5
				Plains muhly	5
				Blue grama	5
				Plains pricklypear	5
				Unknown	5
Weingart	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Thickspick wheatgrass	20
		Normal	700	Western wheatgrass	20
		Unfavorable	600	Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Big sagebrush	5
				Sandberg bluegrass	5
				Plains pricklypear	5
				Unknown	5
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	600	Bluebunch wheatgrass	10
				Plains muhly	10
				Unknown	5
				Blue grama	5
				Big sagebrush	5
				Sandberg bluegrass	5
960A:					
Busby	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
961C:					
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
Yetull	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Little bluestem	25
		Normal	1,800	Prairie sandreed	20
		Unfavorable	1,400	Sand bluestem	20
				Threadleaf sedge	5
				Small soapweed	5
				Wormwood	5
				Needleandthread	5
				Indian ricegrass	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
962F:					
Cambert	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass	20
		Normal	1,100	Little bluestem	20
		Unfavorable	900	Bluebunch wheatgrass	15
				Sideoats grama	10
				Needleandthread	5
				Blue grama	5
				Plains muhly	5
				Threadleaf sedge	5
				Fringed sagewort	5
Bigsheep	Gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	25
		Normal	600	Little bluestem	20
		Unfavorable	400	Plains muhly	10
				Needleandthread	10
				Threadleaf sedge	5
				Blue grama	5
				Small soapweed	5
				Fringed sagewort	5
Golva	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
963E:					
Cambeth	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass	20
		Normal	1,100	Little bluestem	20
		Unfavorable	900	Bluebunch wheatgrass	15
				Sideoats grama	10
				Needleandthread	5
				Blue grama	5
				Plains muhly	5
				Threadleaf sedge	5
				Fringed sagewort	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	20
		Normal	900	Little bluestem	15
		Unfavorable	600	Plains muhly	10
				Sideoats grama	10
				Unknown	5
				Needleandthread	5
				Creeping juniper	5
				Western wheatgrass	5
				Blue grama	5
				Skunkbush sumac	5
Lonna	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass	20
		Normal	1,100	Little bluestem	20
		Unfavorable	900	Bluebunch wheatgrass	15
				Sideoats grama	10
				Needleandthread	5
				Blue grama	5
				Plains muhly	5
				Threadleaf sedge	5
				Fringed sagewort	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
964E:					
Cambeth	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	20
		Normal	900	Little bluestem	15
		Unfavorable	600	Plains muhly	10
				Sideoats grama	10
				Unknown	5
				Needleandthread	5
				Creeping juniper	5
				Western wheatgrass	5
				Blue grama	5
				Skunkbush sumac	5
Yawdim	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	600	Bluebunch wheatgrass	10
				Plains muhly	10
				Unknown	5
				Blue grama	5
				Big sagebrush	5
				Sandberg bluegrass	5
965C:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
Twilight	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
966D:					
Chinook	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
Twilight	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
966D: (cont.)					
Blacksheep------	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass----------	20
		Normal	900	Little bluestem----------	15
		Unfavorable	600	Plains muhly----------	10
				Sideoats grama----------	10
				Unknown----------	5
				Needleandthread----------	5
				Creeping juniper----------	5
				Western wheatgrass----------	5
				Blue grama----------	5
				Skunkbush sumac----------	5
967E:					
Delpoint--------	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass----------	20
		Normal	1,100	Little bluestem----------	20
		Unfavorable	900	Bluebunch wheatgrass----------	15
				Sideoats grama----------	10
				Needleandthread----------	5
				Blue grama----------	5
				Plains muhly----------	5
				Threadleaf sedge----------	5
				Fringed sagewort----------	5
Cabbart---------	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass----------	20
		Normal	900	Little bluestem----------	15
		Unfavorable	600	Plains muhly----------	10
				Sideoats grama----------	10
				Unknown----------	5
				Needleandthread----------	5
				Creeping juniper----------	5
				Western wheatgrass----------	5
				Blue grama----------	5
				Skunkbush sumac----------	5
Yawdim----------	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass----------	25
		Normal	800	Green needlegrass----------	20
		Unfavorable	600	Bluebunch wheatgrass----------	10
				Plains muhly----------	10
				Unknown----------	5
				Blue grama----------	5
				Big sagebrush----------	5
				Sandberg bluegrass----------	5
968E:					
Delpoint--------	Thin silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Western wheatgrass----------	20
		Normal	1,100	Little bluestem----------	20
		Unfavorable	900	Bluebunch wheatgrass----------	15
				Sideoats grama----------	10
				Needleandthread----------	5
				Blue grama----------	5
				Plains muhly----------	5
				Threadleaf sedge----------	5
				Fringed sagewort----------	5
Yamacall--------	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass----------	20
		Normal	1,400	Western wheatgrass----------	20
		Unfavorable	1,100	Green needlegrass----------	15
				Needleandthread----------	10
				Fringed sagewort----------	5
				Blue grama----------	5
				Silver sagebrush----------	5
				Unknown----------	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
968E: (cont.)					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,200	Bluebunch wheatgrass	20
		Normal	900	Little bluestem	15
		Unfavorable	600	Plains muhly	10
				Sideoats grama	10
				Unknown	5
				Needleandthread	5
				Creeping juniper	5
				Western wheatgrass	5
				Blue grama	5
				Skunkbush sumac	5
969C:					
Eapa	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
Delpoint	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
971E:					
Lisk	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Prairie sandreed	35
		Normal	2,300	Needleandthread	20
		Unfavorable	1,800	Thickspick wheatgrass	10
				Little bluestem	10
				Indian ricegrass	5
				Sun sedge	5
				Common snowberry	5
				Unknown	5
				Silver sagebrush	3
				Prairie rose	2
Cohagen	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Threadleaf sedge	10
		Unfavorable	900	Needleandthread	10
				Western wheatgrass	10
				Sideoats grama	5
				Plains muhly	5
				Unknown	5
				Prairie sandreed	5
				Unknown	5
				Unknown	5
				Blue grama	5
Dast	Thin sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	35
		Normal	1,800	Little bluestem	15
		Unfavorable	1,300	Needleandthread	15
				Thickspick wheatgrass	10
				Indian ricegrass	5
				Sun sedge	5
				Big bluestem	5
				Skunkbush sumac	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
981C:					
Macar	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	20
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Western wheatgrass	15
				Needleandthread	10
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
Doney	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Bluebunch wheatgrass	20
		Normal	2,200	Western wheatgrass	15
		Unfavorable	1,600	Needleandthread	10
				Unknown	10
				Green needlegrass	5
				Blue grama	5
				Unknown	5
				Sandberg bluegrass	5
				Silver sagebrush	5
982D:					
Macar	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	20
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Western wheatgrass	15
				Needleandthread	10
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5
Doney	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Bluebunch wheatgrass	20
		Normal	2,200	Western wheatgrass	15
		Unfavorable	1,600	Needleandthread	10
				Unknown	10
				Green needlegrass	5
				Blue grama	5
				Unknown	5
				Sandberg bluegrass	5
				Silver sagebrush	5
Cabba	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	35
		Normal	1,400	Sideoats grama	15
		Unfavorable	900	Green needlegrass	10
				Needleandthread	10
				Western wheatgrass	10
				Unknown	10
983E:					
Macar	Silty, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,600	Green needlegrass	20
		Normal	2,200	Bluebunch wheatgrass	15
		Unfavorable	1,600	Western wheatgrass	15
				Needleandthread	10
				Little bluestem	10
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
983E: (cont.)					
Lisk	Sandy, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	2,700	Prairie sandreed	35
		Normal	2,300	Needleandthread	20
		Unfavorable	1,800	Thickspick wheatgrass	10
				Little bluestem	10
				Indian ricegrass	5
				Sun sedge	5
				Common snowberry	5
				Unknown	5
				Silver sagebrush	3
				Prairie rose	2
Cohagen	Shallow, 15 to 19 inch Ppt zone, sedimentary plains, east	Favorable	1,700	Little bluestem	30
		Normal	1,400	Blue grama	10
		Unfavorable	900	Prairie sandreed	10
				Sideoats grama	10
				Needleandthread	10
				Unknown	10
				Unknown	10
				Threadleaf sedge	5
				Western wheatgrass	5
990E:					
Lihen	Thin sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Little bluestem	25
		Normal	1,200	Prairie sandreed	25
		Unfavorable	1,000	Needleandthread	15
				Big bluestem	10
				Sun sedge	5
				Wormwood	5
				Sand dropseed	5
Tinsley	Gravel, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	700	Bluebunch wheatgrass	25
		Normal	600	Little bluestem	20
		Unfavorable	400	Plains muhly	10
				Needleandthread	10
				Threadleaf sedge	5
				Blue grama	5
				Small soapweed	5
				Fringed sagewort	5
991F:					
Neldore	Shallow clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	25
		Normal	800	Green needlegrass	20
		Unfavorable	600	Bluebunch wheatgrass	10
				Plains muhly	10
				Unknown	5
				Blue grama	5
				Big sagebrush	5
				Sandberg bluegrass	5
Abor	Thin clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,400	Green needlegrass	20
		Normal	1,100	Western wheatgrass	20
		Unfavorable	900	Little bluestem	15
				Sideoats grama	10
				Bluebunch wheatgrass	10
				Blue grama	5
				Unknown	5
				Big sagebrush	5
				Plains muhly	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
992C:					
Parshall	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
993C:					
Pinehill	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
Weingart	Dense clay, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Thickspick wheatgrass	20
		Normal	700	Western wheatgrass	20
		Unfavorable	600	Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Big sagebrush	5
				Sandberg bluegrass	5
				Plains pricklypear	5
				Unknown	5
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	15
		Unfavorable	500	Big sagebrush	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Needleandthread	5
				Blue grama	5
994E:					
Cabbart	Shallow, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Little bluestem	25
		Normal	800	Bluebunch wheatgrass	20
		Unfavorable	600	Sideoats grama	15
				Plains muhly	10
				Needleandthread	10
				Skunkbush sumac	5
				Unknown	5
				Green needlegrass	5
				Juniper	1
Bullock	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,000	Western wheatgrass	35
		Normal	700	Needleandthread	20
		Unfavorable	400	Thickspick wheatgrass	10
				Green needlegrass	10
				Blue grama	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Unknown	5

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
995C:					
Yamacall	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,800	Bluebunch wheatgrass	20
		Normal	1,400	Western wheatgrass	20
		Unfavorable	1,100	Green needlegrass	15
				Needleandthread	10
				Fringed sagewort	5
				Blue grama	5
				Silver sagebrush	5
				Unknown	5
Gerdrum	Claypan, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	1,100	Western wheatgrass	30
		Normal	800	Green needlegrass	15
		Unfavorable	500	Big sagebrush	5
				Montana wheatgrass	5
				Unknown	5
				Unknown	5
				Needleandthread	5
				Blue grama	5
996A:					
Yetull	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Little bluestem	25
		Normal	1,800	Prairie sandreed	20
		Unfavorable	1,400	Sand bluestem	20
				Threadleaf sedge	5
				Small soapweed	5
				Wormwood	5
				Needleandthread	5
				Indian ricegrass	5
Busby	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,100	Prairie sandreed	30
		Normal	1,600	Little bluestem	20
		Unfavorable	1,200	Needleandthread	15
				Wormwood	5
				Small soapweed	5
				Threadleaf sedge	5
				Blue grama	5
4621A:					
Hanly	Sands, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,400	Needleandthread	30
		Normal	1,700	Prairie sandreed	15
		Unfavorable	900	Unknown	15
				Unknown	10
				Unknown	10
				Western wheatgrass	5
				Blue grama	5
				Unknown	5
				Sand dropseed	5
Glendive	Sandy, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,300	Little bluestem	20
		Normal	1,700	Prairie sandreed	20
		Unfavorable	1,000	Needleandthread	15
				Western wheatgrass	15
				Green needlegrass	5
				Unknown	3
				Silver sagebrush	2
				Winterfat	2
				Common snowberry	2
				Common chokecherry	1

Rangeland Productivity and Characteristic Plant Communities (Continued)

Map symbol and soil name	Range site	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
4861A:					
Glendive	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	25
		Normal	1,500	Green needlegrass	20
		Unfavorable	900	Thickspick wheatgrass	20
				Little bluestem	10
				Bluebunch wheatgrass	10
				Unknown	1
				Blue grama	1
Havre	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Western wheatgrass	35
		Normal	1,500	Green needlegrass	25
		Unfavorable	900	Silver sagebrush	5
				Unknown	5
4871A:					
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	20
				Bluebunch wheatgrass	10
				Silver sagebrush	5
Harlake	Clayey, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,000	Green needlegrass	40
		Normal	1,500	Western wheatgrass	35
		Unfavorable	900	Unknown	10
				Silver sagebrush	5
				Unknown	5
				Unknown	1
				Common snowberry	1
4881A:					
Havre	Silty, 10 to 14 inch Ppt zone, sedimentary plains, east	Favorable	2,200	Western wheatgrass	25
		Normal	1,700	Needleandthread	20
		Unfavorable	1,100	Green needlegrass	20
				Bluebunch wheatgrass	10
				Silver sagebrush	5

Woodland Understory Vegetation

(Absence of an entry indicates that data were not available)

Map symbol and soil name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
		Lb/acre		Pct
361E:				
Doney	Favorable	700	Unnamed perennial forbs	20
	Normal	600	Big bluestem	15
	Unfavorable	500	Bluebunch wheatgrass	10
			Green needlegrass	10
			Little bluestem	10
			Common chokecherry	5
			Common snowberry	5
			Juniper	5
			Sideoats grama	5
			Skunkbush sumac	5
			Western wheatgrass	5
Broadus	Favorable	600	Western wheatgrass	25
	Normal	500	Green needlegrass	15
	Unfavorable	400	Little bluestem	15
			Slender wheatgrass	10
			Big bluestem	5
			Needleandthread	5
			Sideoats grama	5
			Western yarrow	5
			Oregongrape	1
451A:				
Glendive	Favorable	2,300	Little bluestem	20
	Normal	1,700	Prairie sandreed	20
	Unfavorable	1,000	Needleandthread	15
			Western wheatgrass	15
			Green needlegrass	5
			Rose	3
			Common snowberry	2
			Silver sagebrush	2
			Winterfat	2
			Common chokecherry	1
453A:				
Glendive	Favorable	2,300	Little bluestem	20
	Normal	1,700	Prairie sandreed	20
	Unfavorable	1,000	Needleandthread	15
			Western wheatgrass	15
			Green needlegrass	5
			Rose	3
			Common snowberry	2
			Silver sagebrush	2
			Winterfat	2
			Common chokecherry	1
Havre	Favorable	2,200	Western wheatgrass	25
	Normal	1,700	Green needlegrass	20
	Unfavorable	1,050	Needleandthread	20
			Bluebunch wheatgrass	10
			Silver sagebrush	5
461A:				
Hanly	Favorable	2,400	Little bluestem	20
	Normal	1,700	Needleandthread	20
	Unfavorable	900	Prairie sandreed	15
			Western wheatgrass	15
			Green needlegrass	5
			Indian ricegrass	5
			Sand bluestem	5

Woodland Understory Vegetation (Continued)

Map symbol and soil name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
		Lb/acre		Pct
481A:				
Havre	Favorable	2,200	Western wheatgrass	25
	Normal	1,700	Green needlegrass	20
	Unfavorable	1,050	Needleandthread	20
			Bluebunch wheatgrass	10
			Big bluestem	5
			Silver sagebrush	5
659A:				
Glendive	Favorable	1,800	Western wheatgrass	25
	Normal	1,400	Green needlegrass	15
	Unfavorable	900	Little bluestem	10
			Needleandthread	10
			Prairie sandreed	5
			Thickspike wheatgrass	5
			Rose	3
			Winterfat	3
			Common snowberry	2
			Silver sagebrush	2
			Common chokecherry	1
660A:				
Hanly	Favorable	2,000	Little bluestem	20
	Normal	1,600	Needleandthread	20
	Unfavorable	1,200	Prairie sandreed	15
			Western wheatgrass	15
			Green needlegrass	5
			Indian ricegrass	5
			Sand bluestem	5
Glendive	Favorable	1,800	Western wheatgrass	25
	Normal	1,400	Green needlegrass	15
	Unfavorable	900	Little bluestem	10
			Needleandthread	10
			Prairie sandreed	5
			Thickspike wheatgrass	5
			Rose	3
			Winterfat	3
			Common snowberry	2
			Silver sagebrush	2
			Common chokecherry	1
			Silver buffaloberry	1
701E:				
Lamedeer	Favorable	800	Bluebunch wheatgrass	25
	Normal	600	Columbia needlegrass	15
	Unfavorable	400	Common snowberry	10
			Little bluestem	10
			Oregongrape	5
Broadus	Favorable	600	Bluebunch wheatgrass	25
	Normal	500	Green needlegrass	15
	Unfavorable	400	Little bluestem	15
			Needleandthread	10
			Slender wheatgrass	10
			Sideoats grama	5
			Western yarrow	5
			Oregongrape	1

Woodland Understory Vegetation (Continued)

Map symbol and soil name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
		Lb/acre		Pct
701E: (cont.)				
Ringling	Favorable	900	Bluebunch wheatgrass	30
	Normal	600	Little bluestem	15
	Unfavorable	400	Needleandthread	10
			Sideoats grama	10
			Common snowberry	5
			Skunkbush sumac	5
702F:				
Lamedeer	Favorable	800	Bluebunch wheatgrass	25
	Normal	600	Columbia needlegrass	15
	Unfavorable	400	Western wheatgrass	15
			Common snowberry	10
			Little bluestem	10
			Big bluestem	5
			Oregongrape	5
Ringling	Favorable	600	Bluebunch wheatgrass	30
	Normal	400	Little bluestem	15
	Unfavorable	200	Needleandthread	10
			Sideoats grama	10
			Common snowberry	5
			Skunkbush sumac	5
802E:				
Lisk	Favorable	900	Prairie sandreed	20
	Normal	700	Big bluestem	10
	Unfavorable	600	Bluebunch wheatgrass	10
			Columbia needlegrass	10
			Little bluestem	10
			Thickspike wheatgrass	10
			Prairie rose	5
			Western yarrow	2
Dast	Favorable	800	Prairie sandreed	20
	Normal	600	Little bluestem	15
	Unfavorable	400	Needleandthread	10
			Big bluestem	5
841F:				
Birney	Favorable	800	Bluebunch wheatgrass	20
	Normal	600	Big bluestem	15
	Unfavorable	400	Columbia needlegrass	10
			Common snowberry	5
			Green needlegrass	5
			Little bluestem	5
			Plains muhly	5
			Sideoats grama	5
			Juniper	2
			Skunkbush sumac	2
			Common chokecherry	1

Woodland Understory Vegetation (Continued)

Map symbol and soil name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
		Lb/acre		Pct
843E:				
Delpoint	Favorable	700	Unnamed perennial forbs	20
	Normal	600	Big bluestem	15
	Unfavorable	500	Bluebunch wheatgrass	10
			Green needlegrass	10
			Little bluestem	10
			Common chokecherry	5
			Common snowberry	5
			Juniper	5
			Sideoats grama	5
			Skunkbush sumac	5
			Western wheatgrass	5
844A:				
Havre	Favorable	3,000	Western wheatgrass	20
	Normal	2,000	Big bluestem	10
	Unfavorable	1,000	Green needlegrass	10
			Slender wheatgrass	10
			Canada wildrye	5
			Common chokecherry	5
			Common snowberry	5
			Needleandthread	5
			Silver sagebrush	1
862E:				
Doney	Favorable	700	Unnamed perennial forbs	20
	Normal	600	Big bluestem	15
	Unfavorable	500	Bluebunch wheatgrass	10
			Green needlegrass	10
			Little bluestem	10
			Common chokecherry	5
			Common snowberry	5
			Juniper	5
			Sideoats grama	5
			Skunkbush sumac	5
			Western wheatgrass	5
Lamedeer	Favorable	800	Columbia needlegrass	15
	Normal	600	Little bluestem	15
	Unfavorable	400	Western wheatgrass	15
			Common snowberry	10
			Big bluestem	5
			Bluebunch wheatgrass	5
			Oregongrape	5
862F:				
Doney	Favorable	700	Unnamed perennial forbs	20
	Normal	600	Big bluestem	15
	Unfavorable	500	Bluebunch wheatgrass	10
			Green needlegrass	10
			Little bluestem	10
			Common chokecherry	5
			Common snowberry	5
			Juniper	5
			Sideoats grama	5
			Skunkbush sumac	5
			Western wheatgrass	5

Woodland Understory Vegetation (Continued)

Map symbol and soil name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
		Lb/acre		Pct
862F: (cont.)				
Lamedeer	Favorable	800	Columbia needlegrass	15
	Normal	600	Little bluestem	15
	Unfavorable	400	Western wheatgrass	15
			Common chokecherry	10
			Common snowberry	10
			Arrowleaf balsamroot	5
			Big bluestem	5
			Bluebunch wheatgrass	5
			Oregongrape	5
			Saskatoon serviceberry	5
4621A:				
Hanly	Favorable	2,400	Needleandthread	30
	Normal	1,700	Prairie sandreed	15
	Unfavorable	900	Unnamed perennial grasslikes	15
			Unnamed perennial forbs	10
			Unnamed shrubs	10
			Blue grama	5
			Sand dropseed	5
			Unnamed perennial grasses	5
			Western wheatgrass	5
Glendive	Favorable	2,300	Little bluestem	20
	Normal	1,700	Prairie sandreed	20
	Unfavorable	1,000	Needleandthread	15
			Western wheatgrass	15
			Green needlegrass	5
			Rose	3
			Common snowberry	2
			Silver sagebrush	2
			Winterfat	2
			Common chokecherry	1
4871A:				
Havre	Favorable	2,200	Western wheatgrass	25
	Normal	1,700	Green needlegrass	20
	Unfavorable	1,050	Needleandthread	20
			Bluebunch wheatgrass	10
			Silver sagebrush	5

Forest Land

The tables "Forest Land Management" and "Forest Land Productivity" can be used by forest managers in planning the use of soils for wood crops. Only those soils suitable for wood crops are listed.

Woodland Ordination System

The table "Forest Land Management" lists the ordination (woodland suitability) symbol for each soil. The ordination system is a nationwide uniform system of labeling soils or groups of soils that are similar in use and management. The primary factors evaluated in the woodland ordination system are productivity of the forest overstory tree species and the principal soil properties resulting in hazards and limitations that affect forest management. There are three parts of the ordination system—class, subclass, and group. The class and subclass are referred to as the ordination symbol.

Ordination Class Symbol

The first element of the ordination symbol is a number that denotes potential productivity in terms of cubic meters of wood per hectare per year for the indicator tree species. The larger the number, the greater the potential productivity. Potential productivity is based on site index and the corresponding culmination of mean annual increment. For example, the number 1 indicates a potential production of 1 cubic meter of wood per hectare per year (14.3 cubic feet per acre per year) and 10 indicates a potential production of 10 cubic meters of wood per hectare per year (143 cubic feet per acre per year).

Indicator species is a species that is common in the area and is generally, but not necessarily, the most productive on the soil. It is the species that determines the ordination class. It is the first species listed for a particular map unit in the table "Forest Land Productivity." This table shows the productivity for all species where data have been collected.

Site index is determined by taking height measurements and determining the age of selected trees within stands of a given species. This index is the average height, in feet, that the trees attain in a specified number of years (Alexander, R.R., 1966). This index applies to fully stocked, even-aged, unmanaged stands. The site indexes shown in the table "Forest Land Productivity" are averages based on measurements made at sites that are representative of the soil series. When the site index and forest land productivity of different soils are compared, the values for the same tree species should be compared (Dahms, W.G., 1964). The higher the site index number, the more productive the soil for that species. Site index values are used in conjunction with yield tables to determine average annual yields (Myers, C.A., 1967). Indirectly, they are used to determine the productivity class in the ordination class symbol.

Ordination Subclass Symbol

The second element of the ordination symbol, or subclass, is a capital letter that indicates certain soil or physiographic characteristics that contribute to important hazards or limitations to be considered in management. The subclasses are defined as follows:

Subclass X indicates that forest land use and management are limited by stones or rocks.

Subclass W indicates that forest land use and management are significantly limited by excess water, either seasonally or throughout the year. Restricted drainage, a high water table, or flooding can adversely affect either stand development or management.

Subclass T indicates that the root zone has toxic substances. Excessive alkalinity, acidity, sodium salts, or other toxic substances impede the development of desirable species.

Subclass D indicates that forest land use and management are limited by a restricted rooting depth. The rooting depth is restricted by hard bedrock, a hardpan, or other restrictive layers in the soil.

Subclass C indicates that forest land use and management are limited by the kind or amount of clay in the upper part of the soil.

Subclass S indicates that the soil is sandy, has a low available water capacity, and normally has a low content of available plant nutrients. The use of equipment is limited during dry periods.

Subclass F indicates that forest land use and management are limited by a high content of rock fragments that are larger than 2 millimeters and smaller than 10 inches. This subclass includes flaggy soils.

Subclass R indicates that forest land use and management are limited by excessive slope.

Subclass A indicates that no significant limitations affect forest land use and management.

Forest Land Management and Productivity

Information about the productivity and management of the forested map units in the survey area is given in the tables "Forest Land Management" and "Forest Land Productivity."

Management Concerns

In the table "Forest Land Management," the soils are rated for the erosion hazard, the equipment limitation, seedling mortality, the windthrow hazard, and plant competition.

The *erosion hazard* is *slight* if the expected soil loss is small; *moderate* if some measures are needed to control erosion during logging and road construction; and *severe* if intensive management or special equipment and methods are needed to prevent excessive soil loss.

The *equipment limitation* is *slight* if the use of equipment is not limited to a particular kind of equipment or time of year; *moderate* if there is a short seasonal limitation or a need for some modification in the management of equipment; and *severe* if there is a seasonal limitation, a need for special equipment or management, or a hazard in the use of equipment.

Seedling mortality ratings are for seedlings that are from a good planting stock and that are properly planted during a period of average rainfall. A rating of *slight* indicates that the expected mortality of the planted seedlings is less than 25 percent; *moderate*, 25 to 50 percent; and *severe*, more than 50 percent.

Windthrow hazard is *slight* if trees in wooded areas are not expected to be blown down by commonly occurring winds; *moderate* if some trees are blown down during periods of excessive soil wetness and strong winds; and *severe* if many trees are blown down during periods of excessive soil wetness and moderate or strong winds.

Plant competition is *slight* if there is little or no competition from other plants; *moderate* if plant competition is expected to hinder the development of a fully stocked stand of desirable trees; and *severe* if plant competition is expected to prevent the establishment of a desirable stand unless the site is intensively prepared, weeded, or otherwise managed for the control of undesirable plants.

Potential Productivity

The potential productivity of merchantable or *common trees* is expressed as a site index, which is described under the heading "Ordination Class Symbol." Commonly grown trees are those that forest land managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value, and marketability.

The column *trees that stands are commonly managed for* in the table "Forest Land Productivity" lists trees that are suitable for commercial wood production and that are suited to the soils.

Forest Access Road Limitations and Hazards

The major management concerns affecting the use of the detailed soil map units in the survey area for forest access roads are listed in the table "Main Forest Access Road Limitations and Hazards." The significance of each limitation or hazard and the criteria used to determine the limitation or hazard are described in this section.

Areas of rock outcrop and *depth to bedrock* can increase the cost of road construction and influence route planning. Constructing the roads is difficult because of the need for rock removal and for additional soil material to provide a suitable road surface.

Boulders increase the cost of road construction and influence route planning. Construction is difficult mainly because of the need for extraction and disposal of the boulders.

Dustiness of the road surface material may cause safety problems and accelerate equipment wear. Dust-abatement measures are needed during dry periods.

The erodibility of the soil material in the roadbed influences the probability of *erosion by water* resulting from the channeling of runoff in the roadway. Erosion can result in the sedimentation of streams. It can be

controlled by reducing road grades and controlling runoff onto and off of the road surface through the installation of drainage measures.

Flooding in the area where a road is constructed may restrict use, result in damage to the roadway, and result in the sedimentation of waterways. The hazard of flooding can be reduced by installing a drainage system, elevating the roadbed, and using riprap and diversions.

Low soil strength of the soil material used to construct the road surface can result in rutting, in drainage problems, and in poor trafficability during wet periods. The road should be used only during dry periods or when the surface is frozen. Surfacing with material of suitable strength and installing a drainage system can help to overcome this limitation.

Roadbed material that has a high *shrink-swell potential* shrinks and swells markedly during dry and wet periods. Excessive shrinking and swelling can damage the road surface or other features, such as bridge abutments, culverts, and erosion-control structures.

A steep *slope* results in increased construction and maintenance costs and increased sedimentation because of the large cuts necessary to create an adequate roadbed. Seeding the cut slope to suitable vegetation minimizes sedimentation. Large cuts can increase instability of the slope. Where slumping is a hazard, slope failure can become a significant maintenance and environmental problem. Areas where the slope is steep should not be used as sites for roads.

Slumping causes safety problems and increases maintenance costs. Frequent clearing of slumped soil in the roadbed or rebuilding of the roadway may be needed to keep the road serviceable and drainage systems functioning.

Stones cause problems in maintaining a smooth road surface that has good trafficability. Unless the stones are removed, additions of suitable stone-free material may be needed when the road is surfaced.

Roads built across soils that have a *water table* may require substantial ballast, fabric, internal drainage systems, and other measures that maintain a road surface that has good trafficability. Construction and use of the road only during periods when the water table is not near the surface or when the road is frozen help to maintain trafficability and reduce the potential for site damage.

Following is an explanation of the criteria used to determine the limitations or hazards.

Areas of rock outcrop.—Rock outcrop is a named component of the map unit.

Areas of rubble land.—Rubble land is a named component of the map unit.

Boulders.—The terms describing the texture within a depth of 24 inches include a bouldery modifier, or the soil is a bouldery phase.

Depth to rock.—Hard bedrock is within a depth of 60 inches.

Dustiness.—The surface layer is silt, silt loam, loam, or very fine sandy loam.

Erosion by water.—The surface K factor multiplied by the upper slope limit is more than 10.

Flooding.—The component of the map unit is occasionally flooded or frequently flooded.

Low soil strength.—The component of the map unit has one of the following Unified classifications within the 60-inch profile: ML, CL, MH, CH, OL, PT, or GC.

Shrink-swell potential.—The component of the map unit has a high shrink-swell potential in a layer that is at least 10 inches thick and is within 40 inches of the surface.

Slope.—The upper slope limit is more than 35 percent.

Slumping.—The component of the map unit meets the requirements for low soil strength and has slopes of more than 35 percent.

Stones.—The terms describing the texture within a depth of 24 inches include a very stony or extremely stony modifier, or the soil is a very stony or extremely stony phase.

Water table.—The component of the map unit has a water table within a depth of 60 inches.

Forest Land Management

(Only the soils suitable for production of commercial trees are listed. Absence of an entry indicates that data were not available)

Map symbol and soil name	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Windthrow hazard	Plant competition
361E:						
Doney	3R	Moderate	Moderate	Moderate	Slight	Severe
Broadus	3C	---	Moderate	Moderate	Slight	Severe
451A:						
Glendive	3A	---	Slight	Slight	Slight	Severe
453A:						
Glendive	3A	---	Slight	Slight	Slight	Severe
Havre	5A	---	Slight	Slight	Slight	Severe
461A:						
Hanly	3S	---	Slight	Moderate	Slight	Severe
481A:						
Havre	5A	---	Slight	Slight	Slight	Severe
659A:						
Glendive	3A	---	Slight	Slight	Slight	Severe
660A:						
Hanly	3S	---	Slight	Moderate	Slight	Severe
Glendive	3A	---	Slight	Slight	Slight	Severe
701E:						
Lamedeer	3A	---	Slight	Moderate	Slight	Severe
Broadus	3C	---	Moderate	Moderate	Slight	Severe
Ringling	2D	---	Slight	Severe	Severe	Severe
702F:						
Lamedeer	3R	---	Severe	Moderate	Slight	Severe
Ringling	2R	---	Severe	Severe	Severe	Severe
802E:						
Lisk	4R	---	Moderate	Moderate	Slight	Severe
Dast	3S	---	Moderate	Severe	Slight	Severe
841F:						
Birney	3R	---	Severe	Moderate	Slight	Severe
843E:						
Delpoint	3R	---	Moderate	Moderate	Slight	Severe
844A:						
Havre	5A	---	Moderate	Moderate	Slight	Moderate
862E:						
Doney	3R	Moderate	Moderate	Moderate	Slight	Severe
Lamedeer	3A	---	Slight	Moderate	Slight	Severe

Forest Land Management (Continued)

Map symbol and soil name	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Windthrow hazard	Plant competition
862F:						
Doney	3R	Severe	Severe	Moderate	Slight	Severe
Lamedeer	3R	---	Severe	Moderate	Slight	Severe
4621A:						
Hanly	3S	---	Slight	Moderate	Slight	Severe
Glendive	3A	---	Slight	Slight	Slight	Severe
4871A:						
Havre	5A	---	Slight	Slight	Slight	Severe

Forest Land Productivity

(Only the soils suitable for production of commercial trees are listed. Absence of an entry indicates that data were not available)

Map symbol and soil name	Common trees	Site index	Productivity class	Board feet	Cubic feet	Trees that stands are commonly managed for--
361E:						
Doney	Ponderosa pine	55	3	108	42	Ponderosa pine
Broadus	Ponderosa pine	58	3	121	44	Ponderosa pine
451A:						
Glendive	Plains cottonwood	70	---	---	---	---
453A:						
Glendive	Plains cottonwood	70	---	---	---	---
Havre	Plains cottonwood	75	---	---	---	---
461A:						
Hanly	Plains cottonwood	66	---	---	---	---
481A:						
Havre	Plains cottonwood	75	---	---	---	---
659A:						
Glendive	Plains cottonwood	70	---	---	---	---
660A:						
Hanly	Plains cottonwood	66	---	---	---	---
Glendive	Plains cottonwood	70	---	---	---	---
701E:						
Lamedeer	Ponderosa pine	60	3	129	46	Ponderosa pine
Broadus	Ponderosa pine	58	3	121	44	Ponderosa pine
Ringling	Ponderosa pine	40	2	60	30	Ponderosa pine
702F:						
Lamedeer	Ponderosa pine	60	3	129	46	Ponderosa pine
Ringling	Ponderosa pine	40	2	60	30	Ponderosa pine
802E:						
Lisk	Ponderosa pine	72	4	188	58	Ponderosa pine
Dast	Ponderosa pine	50	3	90	38	Ponderosa pine
841F:						
Birney	Ponderosa pine	50	3	90	38	Ponderosa pine
843E:						
Delpoint	Ponderosa pine	55	3	108	42	Ponderosa pine
844A:						
Havre	Plains cottonwood	80	---	---	---	---
862E:						
Doney	Ponderosa pine	55	3	108	42	Ponderosa pine
Lamedeer	Ponderosa pine	60	3	129	46	Ponderosa pine

Forest Land Productivity (Continued)

Map symbol and soil name	Common trees	Site index	Productivity class	Board feet	Cubic feet	Trees that stands are commonly managed for--
862F:						
Doney	Ponderosa pine	55	3	108	42	Ponderosa pine
Lamedeer	Ponderosa pine	60	3	129	46	Ponderosa pine
4621A:						
Hanly	Plains cottonwood	66	---	---	---	---
Glendive	Plains cottonwood	70	---	---	---	---
4871A:						
Havre	Plains cottonwood	75	---	---	---	---

Main Forest Access Road Limitations and Hazards

(Only map units containing a forested component are listed. See text for a description and criteria of the limitations and hazards listed in this table)

Soil name and map symbol	Forest access road limitations or hazards
361E:	
Doney	Low soil strength
Broadus	Low soil strength
Cabba	Low soil strength
451A:	
Glendive	Flooding Low soil strength
453A:	
Glendive	Flooding Low soil strength
Havre	Flooding Low soil strength
461A:	
Hanly	Flooding
481A:	
Havre	Flooding Low soil strength
659A:	
Glendive	Flooding Low soil strength
660A:	
Hanly	Flooding
Glendive	Flooding
701E:	
Lamedeer	Low soil strength
Broadus	Erosion by water Low soil strength
Ringling	None
702F:	
Lamedeer	Erosion by water Low soil strength Slope
Cabba	Erosion by water Low soil strength Slope
Ringling	Erosion by water Slope
802E:	
Shambo	Low soil strength
Lisk	Low soil strength

Main Forest Access Road Limitations and Hazards (Continued)

Soil name and map symbol	Forest access road limitations or hazards
802E: (cont.)	
Dast	Low soil strength
841F:	
Birney	Erosion by water Low soil strength Slope
Armells	Erosion by water Low soil strength Slope
Cabbart	Erosion by water Low soil strength Slope
843E:	
Delpoint	Low soil strength
Delpoint	Low soil strength
Cabbart	Low soil strength
844A:	
Havre	Flooding Low soil strength
Harlake	Flooding Low soil strength Shrink swell potential
Glendive	Flooding Low soil strength
862E:	
Doney	Low soil strength
Lamedeer	Low soil strength
Cabba	Low soil strength
862F:	
Doney	Erosion by water Low soil strength Slope
Lamedeer	Erosion by water Low soil strength Slope
Cabba	Erosion by water Low soil strength Slope
4621A:	
Hanly	Flooding
Glendive	Flooding Low soil strength

Main Forest Access Road Limitations and Hazards (Continued)

Soil name and map symbol	Forest access road limitations or hazards
4871A:	
Havre	Flooding Low soil strength
Harlake	Flooding Low soil strength Shrink swell potential

Recreation

The soils of the survey area are rated in "Recreation - Table 1" and "Recreation - Table 2" according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Slightly limited* indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in the tables can be supplemented by other information in this survey, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas.

The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that

affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Off-road motorcycle trails require little or no site preparation. They are not covered with surfacing material or vegetation. Considerable compaction of the soil material is likely. The ratings are based on the soil properties that influence erodibility, trafficability, dustiness, and the ease of revegetation. These properties are stoniness, slope, depth to a water table, ponding, flooding, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

Recreation - Table 1

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
12E:							
Wabek	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.25	Gravel content	0.25	Gravel content	1.00
14B:							
Alona	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.05
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Havre	25	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Dusty	0.50	Flooding	1.00
		Dusty	0.50	Flooding	0.40	Dusty	0.50
19C:							
Archin	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
21C:							
Benz	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Salinity	0.50	Salinity	0.50	Salinity	0.50
		Dusty	0.50	Dusty	0.50	Dusty	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.48
						Restricted permeability	0.39
24B:							
Davidell	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Restricted permeability	0.15
						Slope	0.05
25A:							
Marias	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
27A:							
Busby	85	Not limited		Not limited		Not limited	
27C:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
30C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Havre	35	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
31A:							
Ryell	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Dusty	0.50
		Dusty	0.50				
33A:							
Chanta	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
34C:							
Tally	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
35C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Gravel content	0.06

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
37B:							
Degrand	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.05
39A:							
Ethridge	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
39C:							
Ethridge	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Restricted permeability	0.39
40A:							
Savage	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
40C:							
Savage	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
41A:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
41C:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.48
43F:							
Abor	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.42
Lilsheep	25	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
						Content of large stones	0.01
44A:							
Farnuf	85	Not limited		Not limited		Somewhat limited	
						Gravel content	0.06
44C:							
Farnuf	85	Not limited		Not limited		Somewhat limited	
						Slope	0.48
						Gravel content	0.06

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
45A:							
Glendive	85	Not limited		Not limited		Not limited	
46A:							
Hanly	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
47A:							
Harlake	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
50C:							
Kremlin	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
51C:							
Shambo	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
52A:							
Sagedale	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
52C:							
Sagedale	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Restricted permeability	0.39
53A:							
Kobase	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
53C:							
Kobase	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Restricted permeability	0.39
53D:							
Kobase	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
56A:							
Cherry	85	Not limited		Not limited		Not limited	
56C:							
Cherry	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
57A:							
Lonna	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
57C:							
Lonna	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
59C:							
Farland	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
60A:							
Golva	85	Not limited		Not limited		Not limited	
60C:							
Golva	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
61A:							
Marias	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
62A:							
Marvan	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
62C:							
Marvan	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	0.77
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
						Restricted permeability	0.45
64A:							
Pinehill	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Restricted permeability	0.15
64C:							
Pinehill	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Restricted permeability	0.15

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
64D:							
Pinehill	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Restricted permeability	0.15
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Depth to bedrock	0.42
Ivanell	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.15
76B:							
Vanstel	85	Not limited		Not limited		Somewhat limited	
						Slope	0.05
76C:							
Vanstel	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
77A:							
Havre	50	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Dusty	0.50	Flooding	1.00
		Dusty	0.50	Flooding	0.40	Dusty	0.50
Bigsandy	40	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Depth to saturated zone	0.75	Flooding	1.00
		Depth to saturated zone	1.00	Flooding	0.40	Depth to saturated zone	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Restricted permeability	0.15
79A:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
79C:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
79D:							
Yamacall	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
81A:							
Creed	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Gravel content	0.06
81C:							
Creed	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Gravel content	0.06
85C:							
Foreleft	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
88A:							
Floweree	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
88C:							
Floweree	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.48
90A:							
Sonnett	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
90C:							
Sonnett	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
93B:							
Brushton	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.05
98A:							
Macar	85	Not limited		Not limited		Not limited	
98C:							
Macar	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
112C:							
Absher	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Salinity	0.50	Salinity	0.50	Salinity	0.50
						Slope	0.48
						Gravel content	0.06
121D:							
Kremlin	30	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
Tinsley	30	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	0.16	Slope	0.16	Slope	1.00
						Content of large stones	0.03
Degrand	25	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.94
						Dusty	0.50
122D:							
Tinsley	60	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	0.16	Slope	0.16	Slope	1.00
						Content of large stones	0.03
Chanta	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.94
						Dusty	0.50
123F:							
Tinsley	40	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
						Content of large stones	0.03
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
151F:							
Armells	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
151F: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Kirby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Content of large stones	0.03
191C:							
Archin	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Gerdrum	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06
192C:							
Archin	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Davidell	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Restricted permeability	0.15
Bullock	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
222D:							
Floweree	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.94
						Dusty	0.50
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
222D: (cont.)							
Lilsheep	20	Somewhat limited		Somewhat limited		Very limited	
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
		Slope	0.16	Slope	0.16	Slope	1.00
						Content of large stones	0.01
228F:							
Cambeth	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
						Content of large stones	0.01
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
241B:							
Davidell	65	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Restricted permeability	0.15
						Slope	0.05
Antwerp	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
		Salinity	0.01	Salinity	0.01	Slope	0.05
						Salinity	0.01
242C:							
Davidell	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Restricted permeability	0.15
Ivanell	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.15
271E:							
Busby	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
271E: (cont.)							
Blacksheep----------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Twilight----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
277D:							
Busby----------	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
Twilight----------	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
						Depth to bedrock	0.42
278E:							
Busby----------	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
Yetull----------	35	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.28	Too sandy	0.28	Slope	1.00
		Slope	0.04	Slope	0.04	Too sandy	0.28
293E:							
Cambeth----------	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
		Restricted permeability	0.44	Restricted permeability	0.44	Restricted permeability	0.44
						Depth to bedrock	0.42
Cabbart----------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Kirby----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
296F:							
Cambeth----------	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Rock outcrop--------	20	Not rated		Not rated		Not rated	

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
297C:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
Megonot	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.39
297D:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Megonot	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Depth to bedrock	0.42
						Restricted permeability	0.39
297E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
311A:							
Ryell	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
341D:							
Tally	50	Not limited		Not limited		Very limited	
						Slope	1.00
Vebar	40	Not limited		Not limited		Very limited	
						Slope	1.00
						Depth to bedrock	0.42
342C:							
Tally	50	Not limited		Not limited		Somewhat limited	
						Slope	0.77

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
342C: (cont.)							
Shambo	40	Not limited		Not limited		Somewhat limited	
						Slope	0.77
352D:							
Chinook	50	Not limited		Not limited		Very limited	
						Slope	1.00
						Gravel content	0.06
Twilight	40	Not limited		Not limited		Very limited	
						Slope	1.00
						Depth to bedrock	0.42
353C:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Slope	0.48
						Gravel content	0.06
Kremlin	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.48
355C:							
Chinook	35	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Gravel content	0.06
Twilight	30	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
Eapa	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.48
357D:							
Chinook	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Gravel content	0.06
Lihen	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Twilight	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Depth to bedrock	0.42
361E:							
Doney	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
381F:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Armells	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
383F:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
385E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
		Restricted permeability	0.44	Restricted permeability	0.44	Restricted permeability	0.44
						Depth to bedrock	0.42
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Rock outcrop	35	Not rated		Not rated		Not rated	

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
386F: (cont.)							
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
387D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Busby	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00
Blacksheep	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	1.00
388D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Kobase	25	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.94
						Restricted permeability	0.39
Yawdim	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	1.00
		Slope	0.16	Slope	0.16	Restricted permeability	0.39
421A:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Gravel content	0.06
Creed	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Gravel content	0.06
421C:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
421C: (cont.)							
Creed	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Gravel content	0.06
421D:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Slope	0.16	Slope	0.16	Slope	1.00
						Gravel content	0.06
Creed	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Slope	1.00
		Slope	0.16	Slope	0.16	Restricted permeability	0.94
						Gravel content	0.06
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
						Restricted permeability	0.45
						Depth to bedrock	0.42
451A:							
Glendive	85	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
452A:							
Glendive	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Dusty	0.50
		Dusty	0.50				
453A:							
Glendive	50	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
Havre	40	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
456A:							
Havre	45	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Dusty	0.50	Flooding	1.00
		Dusty	0.50	Flooding	0.40	Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
456A: (cont.)							
Glendive	45	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.40	Flooding	1.00
461A:							
Hanly	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too sandy	0.28	Flooding	0.60
		Too sandy	0.28			Too sandy	0.28
462A:							
Hanly	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Glendive	40	Not limited		Not limited		Not limited	
471A:							
Harlake	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too clayey	0.50	Flooding	0.60
		Too clayey	0.50	Restricted permeability	0.39	Too clayey	0.50
		Restricted permeability	0.39			Restricted permeability	0.39
473A:							
Lallie	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Too clayey	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	1.00	Restricted permeability	0.94	Too clayey	1.00
		Restricted permeability	0.94	Flooding	0.40	Restricted permeability	0.94
		Salinity	0.01	Salinity	0.01	Salinity	0.01
481A:							
Havre	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
483A:							
Havre	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too clayey	0.50	Flooding	0.60
		Too clayey	0.50	Restricted permeability	0.39	Too clayey	0.50
		Restricted permeability	0.39			Restricted permeability	0.39
486A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
487A:							
Havre	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
487A: (cont.)							
Harlake	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
488A:							
Havre	85	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
489A:							
Spinekop	85	Not limited		Not limited		Not limited	
491A:							
Ismay	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Flooding	1.00	Salinity	0.13	Flooding	0.60
		Salinity	0.13			Salinity	0.13
501C:							
Kremlin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
511C:							
Shambo	50	Not limited		Not limited		Somewhat limited	
						Slope	0.77
Doney	35	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
						Gravel content	0.06
531D:							
Kobase	85	Somewhat limited		Somewhat limited		Very limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	1.00
		Slope	0.04	Slope	0.04	Restricted permeability	0.39
532C:							
Kobase	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Restricted permeability	0.39
Gerdrum	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
534C:							
Marias	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Slope	0.77
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
						Restricted permeability	0.45
542E:							
Lihen	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Yetull	25	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
						Content of large stones	0.01
552D:							
Neldore	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Too clayey	0.50
		Slope	0.04	Slope	0.04	Restricted permeability	0.39
						Content of large stones	0.01
Abor	30	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
		Slope	0.04	Slope	0.04	Restricted permeability	0.45
						Depth to bedrock	0.42
Marvan	25	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	0.77
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
						Restricted permeability	0.45
554E:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Weingart	25	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Depth to bedrock	0.42

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
561C:							
Cherry	50	Not limited		Not limited		Somewhat limited	
						Slope	0.77
Cambert	35	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
562D:							
Cherry	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Cambert	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Depth to bedrock	0.42
Cabba	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	1.00
573D:							
Lonna	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
574E:							
Lonna	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cambeth	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
		Restricted permeability	0.44	Restricted permeability	0.44	Restricted permeability	0.44
						Depth to bedrock	0.42
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
575C:							
Lonna	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
575C: (cont.)							
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
576A:							
Lonna	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
576C:							
Lonna	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
						Slope	0.77
577D:							
Lonna	40	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.04	Slope	0.04	Dusty	0.50
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Restricted permeability	0.44	Restricted permeability	0.44	Dusty	0.50
		Slope	0.04	Slope	0.04	Restricted permeability	0.44
						Depth to bedrock	0.42
Cabbart	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.04	Slope	0.04	Dusty	0.50
581C:							
Ivanell	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.15
Cabbart	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
602C:							
Bonfri	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.15
603D:							
Busby	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
604E:							
Busby	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
605D:							
Cabbart	50	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
607C:							
Cambeth	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
608C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Gravel content	0.06
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
Blacksheep	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
613C:							
Kremlin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Cabbart	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
615C:							
Yamacall	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Havre	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.21
621B:							
Marvan	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Slope	0.05
Vanda	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
		Salinity	0.13	Salinity	0.13	Salinity	0.13
						Slope	0.05
631F:							
Bitton	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.11	Gravel content	0.11	Gravel content	1.00
						Content of large stones	0.01
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Ringling	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
						Content of large stones	0.54
641D:							
Pinehill	60	Somewhat limited		Somewhat limited		Very limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	1.00
		Slope	0.04	Slope	0.04	Restricted permeability	0.15

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
641D: (cont.)							
Absher	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Salinity	0.50	Salinity	0.50	Slope	0.77
						Salinity	0.50
						Gravel content	0.06
650F:							
Armells	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
651C:							
Busby	35	Not limited		Not limited		Somewhat limited	
						Slope	0.77
Twilight	30	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
Blacksheep	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
						Slope	0.77
652C:							
Chinook	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
						Slope	0.77
653B:							
Davidell	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.21
						Restricted permeability	0.15
654B:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Slope	0.05

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
656A:							
Gerdrum	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Gravel content	0.06
657C:							
Gerdrum	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06
658C:							
Gerdrum	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too clayey	1.00	Too clayey	1.00	Too clayey	1.00
						Slope	0.77
Marvan	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	0.77
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
						Restricted permeability	0.45
659A:							
Glendive	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
660A:							
Hanly	50	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
Glendive	40	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
661A:							
Havre	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Salinity	1.00	Depth to saturated zone	1.00	Salinity	1.00
		Flooding	1.00	Salinity	1.00	Flooding	1.00
		Ponding	1.00	Flooding	0.40	Ponding	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01
Abor	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.42
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01
Abor	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.42
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
						Content of large stones	0.03

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
665F: (cont.)							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
666C:							
Neldore	50	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	0.77
		Restricted permeability	0.39	Restricted permeability	0.39	Too clayey	0.50
						Restricted permeability	0.39
						Content of large stones	0.01
Volborg	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Slope	0.21
667E:							
Weingart	55	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too clayey	1.00	Too clayey	1.00	Too clayey	1.00
						Slope	0.94
						Depth to bedrock	0.42
Neldore	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01
668A:							
Zatoville	90	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
681A:							
Rivra	45	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Depth to saturated zone	0.82
		Depth to saturated zone	0.82	Depth to saturated zone	0.43	Flooding	0.60
		Dusty	0.50			Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
681A: (cont.)							
Rivra	35	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Depth to saturated zone	0.43	Gravel content	1.00
		Depth to saturated zone	0.82	Gravel content	0.08	Depth to saturated zone	0.82
		Gravel content	0.08			Flooding	0.60
						Content of large stones	0.03
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Content of large stones	0.03
701E:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	0.50	Gravel content	0.50	Slope	1.00
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
						Content of large stones	0.01
702F:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	0.50	Gravel content	0.50	Slope	1.00
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
						Content of large stones	0.01

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
731E:							
Cambert	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
						Content of large stones	0.01
732C:							
Cambert	45	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
Widen	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Depth to bedrock	0.42
						Restricted permeability	0.39
						Content of large stones	0.01
732D:							
Cambert	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Depth to bedrock	0.42
Widen	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Depth to bedrock	0.42
						Restricted permeability	0.39
						Content of large stones	0.01
733E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
733E: (cont.)							
Widen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Depth to bedrock	0.42
						Restricted permeability	0.39
						Content of large stones	0.01
734E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
Cherry	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
742E:							
Neldore	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01
Abor	40	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
		Slope	0.16	Slope	0.16	Restricted permeability	0.45
						Depth to bedrock	0.42
781A:							
Vanda	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Salinity	1.00	Salinity	1.00	Salinity	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
		Depth to saturated zone	0.08	Depth to saturated zone	0.03	Depth to saturated zone	0.08
797E:							
Yamacall	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Busby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
797E: (cont.)							
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
798C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
799E:							
Yamacall	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Birney	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Gravel content	0.18	Gravel content	0.18	Dusty	0.50
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
802E:							
Shambo	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Lisk	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
811C:							
Creed	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Gravel content	0.06
Pinehill	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Restricted permeability	0.15

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
813C:							
Creed	50	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Gravel content	0.06
Absher	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Salinity	0.50	Salinity	0.50	Slope	0.77
						Salinity	0.50
						Gravel content	0.06
831F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Wayden	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
832E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Macar	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
841F:							
Birney	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Gravel content	0.18	Gravel content	0.18	Dusty	0.50
Armells	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
841F: (cont.)							
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
844A:							
Havre	35	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Dusty	0.50	Flooding	1.00
		Dusty	0.50	Flooding	0.40	Dusty	0.50
Harlake	30	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.40	Flooding	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
Glendive	25	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.40	Flooding	1.00
845C:							
Ivanell	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.77
						Depth to bedrock	0.23
						Restricted permeability	0.15

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
845C: (cont.)							
Davidell	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.21
						Restricted permeability	0.15
846F:							
Blacksheep	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Yetull	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Rock outcrop	15	Not rated		Not rated		Not rated	
862E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	0.50	Gravel content	0.50	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
862F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	0.50	Gravel content	0.50	Slope	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
862F: (cont.)							
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
871C:							
Morton	45	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
Farland	40	Not limited		Not limited		Somewhat limited	
						Slope	0.77
891D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.94
						Dusty	0.50
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.18	Gravel content	0.18	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
892D:							
Yamacall	40	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
Delpoint	30	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
901A:							
Sonnett	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
Sonnett	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
901C:							
Sonnett	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
901C: (cont.)							
Sonnett	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
902C:							
Sonnett	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.48
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
		Salinity	0.01	Salinity	0.01	Slope	0.05
						Salinity	0.01
911F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
912F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Dusty	0.50
						Content of large stones	0.01
Kirby	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Content of large stones	0.03
913D:							
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.18	Gravel content	0.18	Slope	1.00
		Slope	0.04	Slope	0.04	Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
913D: (cont.)							
Cooers	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Kirby	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Gravel content	1.00
		Gravel content	0.22	Gravel content	0.22	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Content of large stones	0.01
914D:							
Bullock	55	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Depth to bedrock	0.42
Ralore	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Slope	1.00
		Slope	0.16	Slope	0.16	Restricted permeability	0.94
916E:							
Busby	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Twilight	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
Blacksheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
917D:							
Cambeth	55	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
918E:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
918E: (cont.)							
Cabbart	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
919F:							
Delpoint	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
921F:							
Twilight	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Busby	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
931C:							
Ralph	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
Brushton	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
940E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
		Restricted permeability	0.44	Restricted permeability	0.44	Restricted permeability	0.44
						Depth to bedrock	0.42
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
941C:							
Gerdrum	40	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06
Kobase	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.77
						Restricted permeability	0.39
942A:							
Harlake	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Restricted permeability	0.39	Flooding	0.60
		Restricted permeability	0.39			Restricted permeability	0.39
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Content of large stones	0.03
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
945A:							
Lonna	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Alona	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
945C:							
Lonna	65	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Alona	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
946A:							
Lonna	70	Not limited		Not limited		Not limited	
Antwerp	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
		Salinity	0.01	Salinity	0.01	Salinity	0.01
946C:							
Lonna	65	Not limited		Not limited		Somewhat limited	
						Slope	0.77
Antwerp	20	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
		Salinity	0.01	Salinity	0.01	Slope	0.21
						Salinity	0.01
947E:							
Lonna	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
948B:							
Rominell	85	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.21
949E:							
Tinsley	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Gravel content	1.00	Gravel content	1.00	Slope	1.00
						Content of large stones	0.03
951C:							
Vanstel	85	Not limited		Not limited		Somewhat limited	
						Slope	0.77
952D:							
Yamacall	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Gravel content	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Gravel content	0.18	Gravel content	0.18	Dusty	0.50
953E:							
Yamacall	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Birney	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Gravel content	0.18	Gravel content	0.18	Dusty	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
954C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Busby	40	Not limited		Not limited		Somewhat limited	
						Slope	0.77
954D:							
Yamacall	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
954D: (cont.)							
Busby	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
955D:							
Yamacall	50	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Kobase	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
957E:							
Abor	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.42
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Delpoint	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
958D:							
Abor	50	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Restricted permeability	0.45	Restricted permeability	0.45	Too clayey	0.50
		Slope	0.16	Slope	0.16	Restricted permeability	0.45
						Depth to bedrock	0.42

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
958D: (cont.)							
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Kobase	15	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	0.94
						Restricted permeability	0.39
959D:							
Abor	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.45	Restricted permeability	0.45	Slope	0.77
						Restricted permeability	0.45
						Depth to bedrock	0.42
						Gravel content	0.06
Weingart	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Depth to bedrock	0.42
Neldore	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Too clayey	0.50
		Slope	0.04	Slope	0.04	Restricted permeability	0.39
						Content of large stones	0.01
960A:							
Busby	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
961C:							
Busby	50	Not limited		Not limited		Somewhat limited	
						Slope	0.48
Yetull	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Slope	0.48
						Too sandy	0.28
962F:							
Cambert	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
962F: (cont.)							
Bigsheep	25	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Content of large stones	0.01
Golva	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
963E:							
Cambeth	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
964E:							
Cambeth	40	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Slope	1.00
		Slope	0.16	Slope	0.16	Restricted permeability	0.39
965C:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Gravel content	0.06
Twilight	40	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
966D:							
Chinook	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Gravel content	0.06

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
966D: (cont.)							
Twilight	25	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Depth to bedrock	0.42
Blacksheep	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	1.00
967E:							
Delpoint	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
968E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
						Depth to bedrock	0.42
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
969C:							
Eapa	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50
						Depth to bedrock	0.42
971E:							
Lisk	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Cohagen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
971E: (cont.)							
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
981C:							
Macar	50	Not limited		Not limited		Somewhat limited	
						Slope	0.77
Doney	35	Not limited		Not limited		Somewhat limited	
						Slope	0.77
						Depth to bedrock	0.42
						Gravel content	0.06
982D:							
Macar	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Doney	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
						Depth to bedrock	0.42
						Gravel content	0.06
Cabba	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	1.00
983E:							
Macar	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Lisk	25	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Cohagen	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
990E:							
Lihen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Gravel content	0.22	Gravel content	0.22	Gravel content	1.00
						Content of large stones	0.01
991F:							
Neldore	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability	0.39
						Content of large stones	0.01

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
991F: (cont.)							
Rock outcrop--------	30	Not rated		Not rated		Not rated	
Abor----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.42
992C:							
Parshall----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.48
993C:							
Pinehill----------	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.15	Restricted permeability	0.15	Slope	0.21
						Restricted permeability	0.15
						Gravel content	0.06
Weingart----------	30	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Depth to bedrock	0.42
						Slope	0.21
Gerdrum----------	15	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.21
						Gravel content	0.06
994E:							
Cabbart----------	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	0.96	Slope	0.96	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Dusty	0.50
Bullock----------	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
						Slope	0.77
						Depth to bedrock	0.42
995C:							
Yamacall----------	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.77
						Dusty	0.50

Recreation - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
995C: (cont.)							
Gerdrum	35	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Slope	0.77
						Gravel content	0.06
996A:							
Yetull	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Too sandy	0.28
Busby	40	Not limited		Not limited		Not limited	
4621A:							
Hanly	50	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too sandy	0.28	Flooding	0.60
		Too sandy	0.28			Too sandy	0.28
Glendive	40	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
4861A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Not limited		Not limited		Not limited	
4871A:							
Havre	55	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Dusty	0.50	Flooding	0.60
		Dusty	0.50			Dusty	0.50
Harlake	35	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Restricted permeability	0.39	Flooding	0.60
		Restricted permeability	0.39			Restricted permeability	0.39
4881A:							
Havre	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Dusty	0.50
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Recreation - Table 2

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.77
12E:							
Wabek	85	Somewhat limited		Not limited		Very limited	
		Slope	0.82			Slope	1.00
						Droughty	0.61
						Gravel content	0.25
14B:							
Alona	85	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.32			Droughty	0.77
Havre	25	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Flooding	1.00
		Flooding	0.40	Flooding	0.40		
19C:							
Archin	85	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
21C:							
Benz	85	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
						Salinity	0.50
24B:							
Davidell	85	Not limited		Not limited		Very limited	
						Sodium content	1.00

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
25A:							
Marias	85	Somewhat limited Too clayey	0.50	Somewhat limited Too clayey	0.50	Very limited Too clayey	1.00
27A:							
Busby	85	Not limited		Not limited		Not limited	
27C:							
Busby	85	Not limited		Not limited		Not limited	
30C:							
Yamacall	50	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
Havre	35	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Somewhat limited Flooding	0.60
31A:							
Ryell	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
33A:							
Chanta	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
34C:							
Tally	85	Not limited		Not limited		Not limited	
35C:							
Chinook	85	Not limited		Not limited		Not limited	
37B:							
Degrand	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
39A:							
Ethridge	85	Not limited		Not limited		Not limited	
39C:							
Ethridge	85	Not limited		Not limited		Not limited	
40A:							
Savage	85	Not limited		Not limited		Not limited	
40C:							
Savage	85	Not limited		Not limited		Not limited	
41A:							
Eapa	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
41C:							
Eapa	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
43F:							
Abor	50	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Too clayey	0.50	Too clayey	1.00
		Too clayey	0.50	Slope	0.22	Depth to bedrock	0.42
						Droughty	0.12
Lilsheep	25	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.04	Gravel content	1.00
						Slope	1.00
						Droughty	0.28
						Content of large stones	0.01
44A:							
Farnuf	85	Not limited		Not limited		Not limited	
44C:							
Farnuf	85	Not limited		Not limited		Not limited	
45A:							
Glendive	85	Not limited		Not limited		Not limited	
46A:							
Hanly	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.01
47A:							
Harlake	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
50C:							
Kremlin	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
51C:							
Shambo	85	Not limited		Not limited		Not limited	
52A:							
Sagedale	85	Not limited		Not limited		Not limited	
52C:							
Sagedale	85	Not limited		Not limited		Not limited	
53A:							
Kobase	85	Not limited		Not limited		Not limited	
53C:							
Kobase	85	Not limited		Not limited		Not limited	
53D:							
Kobase	85	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
56A:							
Cherry	85	Not limited		Not limited		Not limited	
56C:							
Cherry	85	Not limited		Not limited		Not limited	
57A:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
57C:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
59C:							
Farland	85	Not limited		Not limited		Not limited	
60A:							
Golva	85	Not limited		Not limited		Not limited	
60C:							
Golva	85	Not limited		Not limited		Not limited	
61A:							
Marias	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
62A:							
Marvan	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
62C:							
Marvan	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
64A:							
Pinehill	85	Not limited		Not limited		Not limited	
64C:							
Pinehill	85	Not limited		Not limited		Not limited	
64D:							
Pinehill	85	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.13

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
75C: (cont.)							
Ivanell	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
76B:							
Vanstel	85	Not limited		Not limited		Not limited	
76C:							
Vanstel	85	Not limited		Not limited		Not limited	
77A:							
Havre	50	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Flooding	1.00
		Flooding	0.40	Flooding	0.40		
Bigsandy	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to saturated zone	0.44	Depth to saturated zone	0.44	Flooding	1.00
		Flooding	0.40	Flooding	0.40	Depth to saturated zone	0.75
79A:							
Yamacall	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
79C:							
Yamacall	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
79D:							
Yamacall	85	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
81A:							
Creed	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
81C:							
Creed	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
85C:							
Foreleft	85	Not limited		Not limited		Not limited	
88A:							
Floweree	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
88C:							
Floweree	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
90A:							
Sonnett	85	Not limited		Not limited		Not limited	

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
90C:							
Sonnett	85	Not limited		Not limited		Not limited	
93B:							
Brushton	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
98A:							
Macar	85	Not limited		Not limited		Not limited	
98C:							
Macar	85	Not limited		Not limited		Not limited	
112C:							
Absher	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Droughty	0.58
						Salinity	0.50
121D:							
Kremlin	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.16
		Dusty	0.50	Dusty	0.50		
Tinsley	30	Not limited		Not limited		Very limited	
						Droughty	1.00
						Gravel content	1.00
						Slope	0.16
						Content of large stones	0.03
Degrand	25	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
122D:							
Tinsley	60	Not limited		Not limited		Very limited	
						Droughty	1.00
						Gravel content	1.00
						Slope	0.16
						Content of large stones	0.03
Chanta	30	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
123F:							
Tinsley	40	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.04	Droughty	1.00
						Gravel content	1.00
						Slope	1.00
						Content of large stones	0.03
Delpoint	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50	Slope	0.22		

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
123F: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50	Slope	0.22	Droughty	0.79
151F:							
Armells	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.32
						Gravel content	0.22
						Content of large stones	0.01
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
Kirby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
191C:							
Archin	50	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
Gerdrum	35	Not limited		Not limited		Very limited	
						Sodium content	1.00
192C:							
Archin	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
Davidell	30	Not limited		Not limited		Very limited	
						Sodium content	1.00
Bullock	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.08
222D:							
Floweree	35	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Cambeth	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Lilsheep	20	Not limited		Not limited		Somewhat limited	
						Gravel content	0.22
						Slope	0.16
						Droughty	0.11
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
228F:							
Cambeth	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50	Slope	0.22		
Lilsheep	25	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.22	Slope	1.00
						Gravel content	0.22
						Droughty	0.11
						Content of large stones	0.01
Lonna	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Sodium content	1.00
		Dusty	0.50				
241B:							
Davidell	65	Not limited		Not limited		Very limited	
						Sodium content	1.00
Antwerp	20	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Salinity	0.01
242C:							
Davidell	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
Ivanell	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
271E:							
Busby	40	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Blacksheep	25	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Depth to bedrock	1.00
						Slope	1.00
						Droughty	0.96
Twilight	20	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Depth to bedrock	0.42
277D:							
Busby	55	Not limited		Not limited		Somewhat limited	
						Slope	0.04
Twilight	30	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Slope	0.04
278E:							
Busby	45	Not limited		Not limited		Somewhat limited	
						Slope	0.04

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
278E: (cont.)							
Yetull	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.90
						Slope	0.04
293E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
		Slope	0.08				
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Water erosion	1.00	Dusty	0.50	Slope	1.00
		Dusty	0.50	Slope	0.04	Droughty	0.77
Kirby	20	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Dusty	0.50	Droughty	1.00
		Dusty	0.50	Slope	0.04	Slope	1.00
						Gravel content	0.22
						Content of large stones	0.01
296F:							
Cambeth	35	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Water erosion	1.00	Dusty	0.50	Slope	1.00
		Dusty	0.50	Slope	0.04	Droughty	0.79
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Megonot	40	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Droughty	0.39
297D:							
Cambeth	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Megonot	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
						Depth to bedrock	0.42
						Droughty	0.39
297E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
297E: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.79
Yawdim	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	1.00
						Droughty	0.77
311A:							
Ryell	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
341D:							
Tally	50	Not limited		Not limited		Not limited	
Vebar	40	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Droughty	0.30
342C:							
Tally	50	Not limited		Not limited		Not limited	
Shambo	40	Not limited		Not limited		Not limited	
352D:							
Chinook	50	Not limited		Not limited		Not limited	
Twilight	40	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
353C:							
Chinook	50	Not limited		Not limited		Not limited	
Kremlin	40	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
355C:							
Chinook	35	Not limited		Not limited		Not limited	
Twilight	30	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
Eapa	20	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
357D:							
Chinook	35	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Lihen	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Slope	0.63
						Droughty	0.11
Twilight	20	Not limited		Not limited		Somewhat limited	
						Slope	0.63
						Depth to bedrock	0.42

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
361E:							
Doney	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	0.42
						Droughty	0.01
Broadus	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50				
Cabba	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	1.00
						Droughty	0.93
381F:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50		
Armells	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.32
						Gravel content	0.22
						Content of large stones	0.01
383F:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.77
385E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Yamacall	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.77

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	0.56	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
387D:							
Delpoint	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Busby	30	Not limited		Not limited		Somewhat limited	
						Slope	0.16
Blacksheep	20	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	0.96
						Slope	0.63
388D:							
Delpoint	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Kobase	25	Not limited		Not limited		Not limited	
Yawdim	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	0.77
						Slope	0.16
421A:							
Gerdrum	45	Not limited		Not limited		Very limited	
						Sodium content	1.00
Creed	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
421C:							
Gerdrum	45	Not limited		Not limited		Very limited	
						Sodium content	1.00
Creed	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
421D:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Sodium content	1.00
						Slope	0.16

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
421D: (cont.)							
Creed	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Sodium content	1.00
						Slope	0.16
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Depth to bedrock	0.42
						Droughty	0.12
451A:							
Glendive	85	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
452A:							
Glendive	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
453A:							
Glendive	50	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
Havre	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
456A:							
Havre	45	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Flooding	1.00
		Flooding	0.40	Flooding	0.40		
Glendive	45	Somewhat limited		Somewhat limited		Very limited	
		Flooding	0.40	Flooding	0.40	Flooding	1.00
461A:							
Hanly	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Flooding	0.60
						Droughty	0.01
462A:							
Hanly	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.01
Glendive	40	Not limited		Not limited		Not limited	
471A:							
Harlake	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Flooding	0.60
473A:							
Lallie	85	Very limited		Very limited		Very limited	
		Too clayey	1.00	Too clayey	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Flooding	0.40	Flooding	0.40	Depth to saturated zone	1.00
						Salinity	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
481A:							
Havre	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
483A:							
Havre	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Flooding	0.60
486A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
487A:							
Havre	55	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Harlake	35	Not limited		Not limited		Not limited	
488A:							
Havre	85	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
489A:							
Spinekop	85	Not limited		Not limited		Not limited	
491A:							
Ismay	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Flooding	0.60
						Salinity	0.13
501C:							
Kremlin	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
511C:							
Shambo	50	Not limited		Not limited		Not limited	
Doney	35	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Droughty	0.01
531D:							
Kobase	85	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.04
532C:							
Kobase	60	Not limited		Not limited		Not limited	
Gerdrum	30	Not limited		Not limited		Very limited	
						Sodium content	1.00

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
534C:							
Marias	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
542E:							
Lihen	60	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Too sandy	0.28	Slope	1.00
		Too sandy	0.28			Droughty	0.11
Yetull	25	Somewhat limited		Not limited		Very limited	
		Slope	0.82			Gravel content	1.00
						Slope	1.00
						Droughty	0.94
						Content of large stones	0.01
552D:							
Neldore	35	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Droughty	0.98
						Slope	0.04
						Content of large stones	0.01
Abor	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.42
						Droughty	0.12
						Slope	0.04
Marvan	25	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
554E:							
Delpoint	60	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Weingart	25	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.13
561C:							
Cherry	50	Not limited		Not limited		Not limited	
Cambert	35	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
562D:							
Cherry	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
Cambert	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
						Depth to bedrock	0.42

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
562D: (cont.)							
Cabba	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	1.00
						Slope	0.63
573D:							
Lonna	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Sodium content	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.63
Cambeth	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Yamacall	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
574E:							
Lonna	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.96
		Dusty	0.50	Dusty	0.50		
Cambeth	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.32			Droughty	0.77
575C:							
Lonna	50	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
576A:							
Lonna	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
576C:							
Lonna	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
577D:							
Lonna	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.04
		Dusty	0.50	Dusty	0.50		
Cambeth	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.04

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
577D: (cont.)							
Cabbart	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.77
						Slope	0.04
581C:							
Ivanell	50	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
Cabbart	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	1.00
						Droughty	0.79
602C:							
Bonfri	85	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
603D:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Slope	0.63
604E:							
Busby	35	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Delpoint	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
		Slope	0.08				
Yawdim	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.08			Slope	1.00
						Droughty	0.80
605D:							
Cabbart	50	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.98
						Slope	0.63
Cambeth	35	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
607C:							
Cambeth	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Cabbart	25	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	1.00
						Droughty	0.98
608C:							
Chinook	85	Not limited		Not limited		Not limited	

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	0.22
						Content of large stones	0.01
Blacksheep	35	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.96	Slope	1.00
						Droughty	1.00
						Depth to bedrock	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Cabbart	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	1.00
						Droughty	0.98
615C:							
Yamacall	70	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Havre	20	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
621B:							
Marvan	50	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
Vanda	35	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
						Salinity	0.13
						Droughty	0.01
631F:							
Bitton	35	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.78	Slope	1.00
						Gravel content	0.11
						Droughty	0.01
						Content of large stones	0.01
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.93

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
631F: (cont.)							
Ringling	25	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.78	Slope	1.00
						Gravel content	1.00
						Droughty	0.96
						Content of large stones	0.54
641D:							
Pinehill	60	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.04
Absher	30	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Droughty	0.58
						Salinity	0.50
650F:							
Armells	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.37
						Gravel content	0.22
						Content of large stones	0.01
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.80
651C:							
Busby	35	Not limited		Not limited		Not limited	
Twilight	30	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
Blacksheep	25	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	0.96
652C:							
Chinook	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
653B:							
Davidell	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
654B:							
Eapa	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
656A:							
Gerdrum	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
657C:							
Gerdrum	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
658C:							
Gerdrum	50	Very limited		Very limited		Very limited	
		Too clayey	1.00	Too clayey	1.00	Sodium content	1.00
						Too clayey	1.00
Marvan	40	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
659A:							
Glendive	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
660A:							
Hanly	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
						Droughty	0.34
Glendive	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Flooding	0.60
661A:							
Havre	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Ponding	1.00
		Ponding	1.00	Ponding	1.00	Flooding	1.00
		Flooding	0.40	Flooding	0.40	Salinity	1.00
						Depth to saturated zone	1.00
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Droughty	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Content of large stones	0.01
Abor	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.42

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.82	Too clayey	0.50	Too clayey	1.00
		Too clayey	0.50			Slope	1.00
						Droughty	1.00
						Content of large stones	0.01
Abor	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Slope	0.08			Depth to bedrock	0.42
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	0.96	Droughty	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Content of large stones	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.22	Slope	1.00
						Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
Cabbart	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50	Slope	0.22	Droughty	0.80
666C:							
Neldore	50	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Droughty	1.00
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
666C: (cont.)							
Volborg	35	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Droughty	1.00
						Too clayey	1.00
667E:							
Weingart	55	Very limited		Very limited		Very limited	
		Too clayey	1.00	Too clayey	1.00	Sodium content	1.00
						Too clayey	1.00
						Depth to bedrock	0.42
						Droughty	0.18
Neldore	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Slope	1.00
						Droughty	0.99
						Content of large stones	0.01
668A:							
Zatoville	90	Not limited		Not limited		Very limited	
						Sodium content	1.00
681A:							
Rivra	45	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Droughty	1.00
		Depth to saturated zone	0.08	Depth to saturated zone	0.08	Flooding	0.60
						Depth to saturated zone	0.43
Rivra	35	Somewhat limited		Somewhat limited		Very limited	
		Depth to saturated zone	0.08	Depth to saturated zone	0.08	Droughty	1.00
						Flooding	0.60
						Depth to saturated zone	0.43
						Gravel content	0.08
						Content of large stones	0.03
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
701E:							
Lamedeer	35	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Gravel content	0.50
						Droughty	0.03
Broadus	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50				
Ringling	20	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Droughty	0.74
						Gravel content	0.22
						Content of large stones	0.01
702F:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.50
						Droughty	0.03
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.93
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Droughty	0.74
						Gravel content	0.22
						Content of large stones	0.01
731E:							
Cambert	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.08			Depth to bedrock	0.42
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Depth to bedrock	1.00
						Droughty	0.93
Ringling	20	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.78	Slope	1.00
						Droughty	0.74
						Gravel content	0.22
						Content of large stones	0.01
732C:							
Cambert	45	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
Widen	40	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
732D:							
Cambert	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
						Depth to bedrock	0.42
Widen	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
						Depth to bedrock	0.42
						Content of large stones	0.01
733E:							
Cambert	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	0.42
Cabba	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	1.00
						Droughty	0.93
Widen	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	0.42
						Content of large stones	0.01
734E:							
Cambert	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.32			Depth to bedrock	0.42
Cherry	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.96
Cabba	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.32			Slope	1.00
						Droughty	0.93
742E:							
Neldore	45	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
		Slope	0.08			Too clayey	1.00
						Slope	1.00
						Droughty	0.98
						Content of large stones	0.01
Abor	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.42
						Slope	0.16
						Droughty	0.12

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
781A:							
Vanda	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Salinity	1.00
						Sodium content	1.00
						Too clayey	1.00
						Droughty	0.92
						Depth to saturated zone	0.03
797E:							
Yamacall	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Busby	25	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
Blacksheep	20	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Depth to bedrock	1.00
						Slope	1.00
						Droughty	0.96
798C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
799E:							
Yamacall	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50		
		Dusty	0.50				
Birney	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.50	Dusty	0.50	Slope	1.00
		Dusty	0.50			Droughty	0.35
						Gravel content	0.18
Delpoint	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
802E:							
Shambo	35	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Lisk	30	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
Dast	20	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
						Depth to bedrock	0.42
						Droughty	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
811C:							
Creed	50	Not limited		Not limited		Very limited	
						Sodium content	1.00
Pinehill	35	Not limited		Not limited		Not limited	
813C:							
Creed	50	Not limited		Not limited		Very limited	
						Sodium content	1.00
Absher	35	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Droughty	0.58
						Salinity	0.50
831F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Depth to bedrock	0.42
						Droughty	0.01
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.93
Wayden	20	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.91
832E:							
Doney	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	0.42
						Droughty	0.01
Macar	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50				
Cabba	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50			Depth to bedrock	1.00
						Droughty	0.93
841F:							
Birney	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.42
						Gravel content	0.18
Armells	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
841F: (cont.)							
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.81
Yawdim	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.96
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Delpoint	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Cabbart	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.99
844A:							
Havre	35	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Flooding	1.00
		Flooding	0.40	Flooding	0.40		
Harlake	30	Somewhat limited		Somewhat limited		Very limited	
		Flooding	0.40	Flooding	0.40	Flooding	1.00
Glendive	25	Somewhat limited		Somewhat limited		Very limited	
		Flooding	0.40	Flooding	0.40	Flooding	1.00
845C:							
Ivanell	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.23
Davidell	40	Not limited		Not limited		Very limited	
						Sodium content	1.00

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
846F:							
Blacksheep----------	30	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.56	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	1.00
						Droughty	0.93
Delpoint----------	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	0.56	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Droughty	0.01
Rock outcrop--------	30	Not rated		Not rated		Not rated	
847E:							
Busby----------	40	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
Yetull----------	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.90
						Slope	0.63
Rock outcrop--------	15	Not rated		Not rated		Not rated	
862E:							
Doney----------	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.08			Depth to bedrock	0.42
						Droughty	0.01
Lamedeer----------	30	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
						Gravel content	0.50
						Droughty	0.03
Cabba----------	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.08			Slope	1.00
						Droughty	0.93
862F:							
Doney----------	35	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	0.78	Depth to bedrock	0.42
						Droughty	0.01
Lamedeer----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.50
						Droughty	0.03
Cabba----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
						Droughty	0.93

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
871C:							
Morton	45	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
Farland	40	Not limited		Not limited		Not limited	
891D:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Birney	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Droughty	0.35
						Gravel content	0.18
						Slope	0.16
Delpoint	20	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
892D:							
Yamacall	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.16
		Dusty	0.50	Dusty	0.50		
Delpoint	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Cabbart	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
						Slope	0.16
901A:							
Sonnett	50	Not limited		Not limited		Not limited	
Sonnett	35	Not limited		Not limited		Not limited	
901C:							
Sonnett	45	Not limited		Not limited		Not limited	
Sonnett	40	Not limited		Not limited		Not limited	
902C:							
Sonnett	60	Not limited		Not limited		Not limited	
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Salinity	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
911F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.79
912F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01
Kirby	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
913D:							
Birney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Droughty	0.35
						Gravel content	0.18
						Slope	0.04
Cooers	30	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Kirby	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	0.22
						Slope	0.16
						Content of large stones	0.01
914D:							
Bullock	55	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.19
Ralore	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	0.86
						Slope	0.16

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
916E:							
Busby	35	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Twilight	30	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Slope	1.00
						Depth to bedrock	0.42
Blacksheep	25	Somewhat limited		Not limited		Very limited	
		Slope	0.08			Depth to bedrock	1.00
						Slope	1.00
						Droughty	0.96
917D:							
Cambeth	55	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Cabbart	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	0.97
						Slope	0.16
918E:							
Cambeth	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Cabbart	40	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.08			Droughty	0.81
919F:							
Delpoint	50	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
921F:							
Twilight	45	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Depth to bedrock	0.42
Blacksheep	20	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.04	Depth to bedrock	1.00
						Slope	1.00
						Droughty	0.96
Busby	20	Not limited		Not limited		Somewhat limited	
						Slope	0.63

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
931C:							
Ralph	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Brushton	40	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
940E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Yamacall	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.77
941C:							
Gerdrum	40	Not limited		Not limited		Very limited	
						Sodium content	1.00
Kobase	40	Not limited		Not limited		Not limited	
942A:							
Harlake	85	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Water erosion	1.00	Slope	1.00
		Water erosion	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.08			Droughty	0.80

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
944E: (cont.)							
Yawdim	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.08			Slope	1.00
						Droughty	1.00
945A:							
Lonna	70	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Alona	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
945C:							
Lonna	65	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Alona	20	Somewhat limited		Somewhat limited		Very limited	
		Dusty	0.50	Dusty	0.50	Sodium content	1.00
946A:							
Lonna	70	Not limited		Not limited		Not limited	
Antwerp	20	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Salinity	0.01
946C:							
Lonna	65	Not limited		Not limited		Not limited	
Antwerp	20	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Salinity	0.01
947E:							
Lonna	50	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.08			Droughty	1.00
Yawdim	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Slope	0.08			Slope	1.00
						Droughty	0.79
948B:							
Rominell	85	Not limited		Not limited		Very limited	
						Sodium content	1.00

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
949E:							
Tinsley	85	Very limited		Not limited		Very limited	
		Slope	1.00			Slope	1.00
						Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
951C:							
Vanstel	85	Not limited		Not limited		Not limited	
952D:							
Yamacall	50	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Birney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Slope	0.63
						Droughty	0.31
						Gravel content	0.18
953E:							
Yamacall	45	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50		
		Dusty	0.50				
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.50	Dusty	0.50	Slope	1.00
		Dusty	0.50			Droughty	0.31
						Gravel content	0.18
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.80
954C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Busby	40	Not limited		Not limited		Not limited	
954D:							
Yamacall	50	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Busby	40	Not limited		Not limited		Somewhat limited	
						Slope	0.63
955D:							
Yamacall	50	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.16
		Dusty	0.50	Dusty	0.50		
Delpoint	35	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
						Depth to bedrock	1.00
Cabbart	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Droughty	1.00
Kobase	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50				
957E:							
Abor	55	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Slope	1.00
		Slope	0.08			Depth to bedrock	0.42
Cabbart	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.08			Droughty	0.86
Delpoint	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
		Slope	0.08				
958D:							
Abor	50	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Too clayey	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.42
						Slope	0.16
						Droughty	0.01
Delpoint	20	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Kobase	15	Not limited		Not limited		Not limited	
959D:							
Abor	35	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
Weingart	30	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.07
Neldore	25	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Droughty	0.98
						Slope	0.04
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
960A:							
Busby	85	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
961C:							
Busby	50	Not limited		Not limited		Not limited	
Yetull	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.89
962F:							
Cambert	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.08			Depth to bedrock	0.42
Bigsheep	25	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Dusty	0.50	Gravel content	1.00
		Dusty	0.50	Slope	0.04	Slope	1.00
						Content of large stones	0.01
Golva	20	Not limited		Not limited		Somewhat limited	
						Slope	0.63
963E:							
Cambeth	30	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50	Depth to bedrock	0.42
		Dusty	0.50				
Cabbart	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Dusty	0.50	Depth to bedrock	1.00
		Dusty	0.50			Droughty	0.86
Lonna	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	0.50	Dusty	0.50		
		Dusty	0.50				
964E:							
Cambeth	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	0.42
		Dusty	0.50	Dusty	0.50	Slope	0.16
Cabbart	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
						Droughty	0.79
Yawdim	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	0.86
						Slope	0.16
965C:							
Chinook	50	Not limited		Not limited		Not limited	

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
965C: (cont.)							
Twilight	40	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
966D:							
Chinook	40	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Twilight	25	Not limited		Not limited		Somewhat limited	
						Slope	0.63
						Depth to bedrock	0.42
Blacksheep	20	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	0.99
						Slope	0.63
967E:							
Delpoint	45	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
Cabbart	25	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
						Droughty	0.79
Yawdim	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	1.00
						Slope	1.00
968E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
		Slope	0.08			Droughty	0.01
Yamacall	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
		Dusty	0.50	Dusty	0.50		
Cabbart	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	1.00
		Slope	0.08			Droughty	0.86
969C:							
Eapa	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Dusty	0.50	Dusty	0.50	Depth to bedrock	0.42
971E:							
Lisk	40	Not limited		Not limited		Somewhat limited	
						Slope	0.63

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
971E: (cont.)							
Cohagen	25	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Depth to bedrock	1.00
						Droughty	0.99
Dast	20	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Depth to bedrock	0.42
981C:							
Macar	50	Not limited		Not limited		Not limited	
Doney	35	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.42
						Droughty	0.01
982D:							
Macar	40	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
Doney	30	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
						Depth to bedrock	0.42
						Droughty	0.01
Cabba	15	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
						Droughty	0.93
						Slope	0.63
983E:							
Macar	45	Very limited		Very limited		Somewhat limited	
		Water erosion	1.00	Water erosion	1.00	Slope	0.63
Lisk	25	Not limited		Not limited		Somewhat limited	
						Slope	0.63
Cohagen	20	Somewhat limited		Not limited		Very limited	
		Slope	0.50			Slope	1.00
						Depth to bedrock	1.00
						Droughty	0.99
990E:							
Lihen	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.82	Too sandy	0.28	Slope	1.00
		Too sandy	0.28			Droughty	0.14
Tinsley	35	Somewhat limited		Not limited		Very limited	
		Slope	0.82			Droughty	1.00
						Slope	1.00
						Gravel content	0.22
						Content of large stones	0.01

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf fairways: Rating class and limiting features	Value
991F:							
Neldore	30	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Slope	0.56	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	1.00
						Too clayey	1.00
						Droughty	0.98
						Content of large stones	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Slope	1.00
		Slope	1.00	Too clayey	0.50	Too clayey	1.00
		Too clayey	0.50	Slope	0.22	Depth to bedrock	0.42
992C:							
Parshall	85	Not limited		Not limited		Not limited	
993C:							
Pinehill	45	Not limited		Not limited		Not limited	
Weingart	30	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.01
Gerdrum	15	Not limited		Not limited		Very limited	
						Sodium content	1.00
994E:							
Cabbart	45	Very limited		Very limited		Very limited	
		Water erosion	1.00	Water erosion	1.00	Depth to bedrock	1.00
		Dusty	0.50	Dusty	0.50	Slope	0.96
						Droughty	0.79
Bullock	35	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Depth to bedrock	0.42
						Droughty	0.07
995C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Dusty	0.50	Dusty	0.50		
Gerdrum	35	Not limited		Not limited		Very limited	
						Sodium content	1.00
996A:							
Yetull	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.28	Too sandy	0.28	Droughty	0.88
Busby	40	Not limited		Not limited		Not limited	

Recreation - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Paths and trails		Off-road motorcycle trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
4621A:							
Hanly	50	Somewhat limited Too sandy	0.28	Somewhat limited Too sandy	0.28	Somewhat limited Flooding Droughty	0.60 0.01
Glendive	40	Not limited		Not limited		Somewhat limited Flooding	0.60
4861A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Not limited		Not limited		Not limited	
4871A:							
Havre	55	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Somewhat limited Flooding	0.60
Harlake	35	Not limited		Not limited		Somewhat limited Flooding	0.60
4881A:							
Havre	85	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Not limited	
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Wildlife Habitat

Soils affect the kind and amount of vegetation that is available to wildlife as food and cover. They also affect the construction of water impoundments. If food, cover, or water is missing, inadequate, or inaccessible, wildlife will be scarce or will not inhabit the area.

If the soils have potential for habitat development, wildlife habitat can be created or improved by planting appropriate vegetation, properly managing the existing plant cover, and fostering the natural establishment of desirable plants.

Elements of Wildlife Habitat

The elements of wildlife habitat are described in the following paragraphs:

Grain and seed crops are domestic grains and seed-producing herbaceous plants used by wildlife. Examples are wheat, rye, oats, and barley.

Grasses and legumes are domestic perennial grasses and herbaceous legumes planted for wildlife food and cover. Examples are fescue, bromegrass, timothy, orchardgrass, clover, alfalfa, trefoil, reed canarygrass, and crownvetch.

Wild herbaceous plants are native or naturally established grasses and forbs, including weeds, that provide food and cover for wildlife. Examples are bluestem, indiangrass, blueberry, goldenrod, lambsquarters, dandelions, blackberry, ragweed, wheatgrass, fescue, and nightshade.

The major soil properties affecting the growth of grain and forage crops and wild herbaceous plants are depth of the root zone, texture of the surface layer, the amount of water available to plants, wetness, salinity or sodicity, and flooding. The length of the growing season also is important.

Hardwood trees and woody understory produce nuts or other fruit, buds, catkins, twigs, bark, and foliage that wildlife eat. Examples are oak, poplar, boxelder, birch, maple, green ash, willow, and American elm. Examples of fruit-producing shrubs that are suitable for planting on soils that have good potential for these plants are hawthorn, honeysuckle, American plum, redosier dogwood, chokecherry, serviceberry, silver buffaloberry, and crabapple.

Coniferous plants are cone-bearing trees, shrubs, or ground cover that provide habitat or supply food in the form of browse, seed, or fruitlike cones. Examples are pine, spruce, hemlock, fir, yew, cedar, larch, and juniper.

The major soil properties affecting the growth of hardwood and coniferous trees and shrubs are depth of the root zone, the amount of water available to plants, and wetness.

Wetland plants are annual and perennial wild herbaceous plants that grow on moist or wet sites. Submerged or floating aquatic plants are excluded. Wetland plants produce food or cover for wetland wildlife. Examples of these plants are smartweed, wild millet, rushes, sedges, bulrushes, wild rice, arrowhead, waterplantain, pickerelweed, and cattail.

The major soil properties affecting wetland plants are texture of the surface layer, wetness, acidity or alkalinity, and slope.

Shallow water areas have an average depth of less than 5 feet. They are useful as habitat for some wildlife species. They are naturally wet areas or are created by dams, levees, or water-control measures in marshes or streams. Examples are muskrat marshes, waterfowl feeding areas, wildlife watering developments, beaver ponds, and other wildlife ponds.

The major soil properties affecting shallow water areas are depth to bedrock, wetness, surface stoniness, slope, and permeability.

Kinds of Wildlife Habitat

Habitat for openland wildlife consists of cropland, pasture, meadows, and areas that are overgrown with grasses, herbs, and shrubs. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. The wildlife attracted to these areas include Hungarian partridge, pheasant, sharp-tailed grouse, sage grouse, meadowlark, field sparrow, killdeer, cottontail rabbit, and red fox.

Habitat for woodland wildlife consists of areas of hardwoods or conifers or a mixture of these and associated grasses, legumes, and wild herbaceous plants. The wildlife attracted to this habitat include wild

turkey, ruffed grouse, thrushes, woodpeckers, owls, tree squirrels, porcupine, raccoon, deer, elk, and black bear.

Habitat for wetland wildlife consists of open, marshy or swampy, shallow water areas that support water-tolerant plants. The wildlife attracted to this habitat include ducks, geese, herons, bitterns, rails, kingfishers, muskrat, otter, mink, and beaver.

Habitat for rangeland wildlife consists of areas of shrubs and wild herbaceous plants. The wildlife attracted to rangeland include antelope, deer, sage grouse, meadowlark, and lark bunting.

Wildlife of Custer County

Important habitat areas for wildlife are small narrow valleys and heads of small drainageways associated with hilly to very steep uplands. These areas commonly support a variety of shrubs and small trees such as chokecherry, buffaloberry, snowberry, green ash, and boxelder, which are important both as forage and cover for wildlife.

Irrigated and dryland farming made possible the successful introduction of the ring-necked pheasant, particularly in the bottomlands along the Yellowstone, Tongue, and Powder Rivers. This was possible because of varied land use patterns that include small grains, irrigated crops, annual weeds, and brushy cover.

Land management practices beneficial to pheasants include proper grazing use, protection of woody cover from burning or eradication, and the retention of stubble and waste grain during winter through elimination of fall tillage. Woody plantings in the form of shelterbelts and hedgerows, and on cropland for the control of erosion, are beneficial to pheasants as well as numerous nongame birds, especially when planned with wildlife in mind.

Sharp-tailed grouse occur throughout much of the prairie uplands of the survey area where grain fields, brushy cover, and an abundance of fruit-bearing shrubs, including chokecherry, plum, rose, snowberry, skunkbush sumac, and buffaloberry, provide excellent habitat. Within limits, sharptails adapt to modern farming. During winter they readily feed on grain in stubble and stacks, and in cattle feedlots. During dry periods in July or August they may collect in large shelterbelts where water and shade are available.

Populations of sharp-tailed grouse vary greatly between the dry sagebrush country and the more moist upland prairies. When populations are high, breeding sharptails extend their range well into marginal islands of native grassland, usually along drainageways surrounded by small grains. When populations are low, they are more restricted to the upper limits of drainageways where stands of trees and shrubs intermix with grasslands.

Gray or Hungarian partridge, an introduced bird from Europe, is associated with crop and grassland areas of the county. Hungarian partridge, like sharp-tailed grouse, exhibit fluctuations that appear to result from changes in available habitat, weather variances, and possible diseases.

Land management practices beneficial to sharptails and gray partridge include proper grazing to ensure sufficient vegetation remains for nesting, roosting, and rearing of young. In addition, the protection of woody vegetation in draws and along fence rows provides both food and shelter. The establishment of properly designed shelterbelts can be of benefit to sharp-tailed grouse, especially during severe winter weather.

Sharp-tailed grouse and Hungarian partridge are on uplands throughout the county. Areas with grain fields, shelterbelts, windbreaks, brushy draws, and an intermix of trees, shrubs, and grasslands provide suitable habitat for this prairie species.

Sage grouse occur throughout much of the survey area on sagebrush covered rangelands. Optimum sage grouse habitat is characterized by communities of big sagebrush and silver sagebrush, with a variety of forbs and grasses.

Merriam's turkeys, an introduced species, have been transplanted to several locations. Small isolated populations are along major drainage areas in the southern and eastern parts of the county.

Pronghorn antelope occupy the prairie along with domestic livestock. The potential for maintaining pronghorn herds is dependent on the proper management of rangelands. Competition for food between livestock and pronghorns generally is not serious on well-managed range. Pronghorns utilize forbs and browse species that cattle do not commonly eat, unless forced to do so because of overgrazing or snow cover.

Both white-tailed and mule deer occur throughout the area. Whitetails most generally inhabit the low valleys and adjacent uplands along the Yellowstone, Tongue, and Powder Rivers, and their tributaries. Mule deer occur over much of the uplands, brushy bottoms, and broken rangeland north and south of the Yellowstone River.

An introduced herd of bighorn sheep exists in the extreme eastern part of the county, west of the Powder River.

The Yellowstone, Tongue, and Powder Rivers, marshes, ponds, and reservoirs throughout the county provide habitat for an abundance of waterfowl during

spring and fall migrations. Ducks and a variety of shore and marsh birds use these bodies of water for resting, nesting, and rearing of young. The Yellowstone River and its islands serve as important nesting and rearing areas for Canada geese. Beaver, mink, muskrat, and raccoon occur throughout the principal watercourses while cottontail rabbits, jackrabbits, badger, ground squirrels, coyotes, foxes, and a variety of small mammals exist throughout the survey area.

Populations of game and nongame species could be enhanced through application of conservation practices that improve habitat. Among these are development of odd or irregularly shaped areas in or near farm land, protection of such areas from fire or grazing, and the establishment of woody vegetation that provides winter shelter. Wildlife may also be enhanced through increased application of commonly employed conservation practices including proper grazing, planned grazing systems, stripcropping, minimum tillage, field windbreaks, and the construction of ponds.

Field offices of the Natural Resources Conservation Service maintain habitat management guides for a variety of wildlife species. Landowners can obtain practical help in planning and establishing food and shelter for wildlife at these offices.

Engineering

This section provides information for planning land uses related to urban development and to water management. Soils are rated for various uses, and the most limiting features are identified. Ratings are given for building site development, sanitary facilities, construction materials, and water management. The ratings are based on observed performance of the soils and on the estimated data and test data in the "Soil Properties" section.

Information in this section is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this section. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Soil properties, site features, and observed performance were considered in determining the ratings in this section. During the fieldwork for this soil survey, determinations were made about particle-size distribution, liquid limit, plasticity index, soil reaction, depth to bedrock, hardness of bedrock within 5 to 7 feet of the surface, soil wetness, depth to a water table, ponding, slope, likelihood of flooding, natural soil structure aggregation, and soil density. Data were collected about kinds of clay minerals, mineralogy of the sand and silt fractions, and the kinds of adsorbed cations. Estimates were made for erodibility, permeability, corrosivity, shrink-swell potential, available water capacity, and other behavioral characteristics affecting engineering uses.

This information can be used to evaluate the potential of areas for residential, commercial, industrial, and recreational uses; make preliminary estimates of construction conditions; evaluate alternative routes for roads, streets, highways, pipelines, and underground cables; evaluate alternative sites for sanitary landfills, septic tank absorption fields, and sewage lagoons; plan detailed onsite investigations of soils and geology; locate potential sources of gravel, sand, earthfill, and topsoil; plan drainage systems, irrigation systems, ponds, terraces, and other structures for soil and water conservation; and predict performance of proposed small structures and pavements by comparing the performance of existing similar structures on the same or similar soils.

The information in the tables, along with the soil maps, the soil descriptions, and other data provided in this survey, can be used to make additional interpretations.

Some of the terms used in this soil survey have a special meaning in soil science and are defined in the Glossary.

Building Site Development

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. Tables "Building Site Development 1 and 2" show the degree and kind of soil limitations that affect dwellings with and without basements, small commercial buildings, local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the tables are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Slightly limited* indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately

favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet. The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer.

Sanitary Facilities

Tables "Sanitary Facilities 1 and 2" show the degree and kind of soil limitations that affect septic tank absorption fields, sewage lagoons, sanitary landfills, and daily cover for landfill. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Slightly limited* indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Soil permeability is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a permeability rate of more than 2 inches per hour are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

A *trench sanitary landfill* is an area where solid waste is placed in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil excavated at the site. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. The ratings in the table are based on the soil properties that affect the risk of pollution, the ease of excavation, trafficability, and revegetation. These properties include permeability, depth to bedrock or a cemented pan, depth to a water table, ponding, slope, flooding, texture, stones and boulders, highly organic layers, soil reaction, and content of salts and sodium. Unless otherwise stated, the ratings apply only to that part of the soil within a depth of about 6 feet. For deeper trenches, onsite investigation may be needed.

Hard, nonrippable bedrock, creviced bedrock, or highly permeable strata in or directly below the proposed trench bottom can affect the ease of excavation and the hazard of ground-water pollution. Slope affects construction of the trenches and the movement of surface water around the landfill. It also affects the construction and performance of roads in areas of the landfill.

Soil texture and consistence affect the ease with which the trench is dug and the ease with which the soil can be used as daily or final cover. They determine the workability of the soil when dry and when wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and are difficult to place as a uniformly thick cover over a layer of refuse.

The soil material used as the final cover for a trench landfill should be suitable for plants. It should not have excess sodium or salts and should not be too acid. The surface layer generally has the best workability, the highest content of organic matter, and the best potential for plants. Material from the surface layer should be stockpiled for use as the final cover.

In an *area sanitary landfill*, solid waste is placed in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil from a source away from the site. A final cover of soil material at least 2 feet thick is placed over the completed landfill. The ratings in the table are based on the soil properties that affect trafficability and the risk of pollution. These properties include flooding, permeability, depth to a water table, ponding, slope, and depth to bedrock or a cemented pan.

Flooding is a serious problem because it can result in pollution in areas downstream from the landfill. If permeability is too rapid or if fractured bedrock, a fractured cemented pan, or the water table is close to the surface, the leachate can contaminate the water supply. Slope is a consideration because of the extra grading required to maintain roads in the steeper areas of the landfill. Also, leachate may flow along the surface of the soils in the steeper areas and cause difficult seepage problems.

Daily cover for landfill is the soil material that is used to cover compacted solid waste in an area sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The ratings in the table also apply to the final cover for a landfill. They are based on the soil properties that affect workability, the ease of digging, and the ease of moving and spreading the material over the refuse daily during wet and dry periods. These properties include soil texture, depth to a water table, ponding, rock fragments, slope, depth to bedrock or a cemented pan, reaction, and content of salts, sodium, or lime.

Loamy or silty soils that are free of large stones and excess gravel are the best cover for a landfill. Clayey soils may be sticky and difficult to spread; sandy soils are subject to wind erosion.

Slope affects the ease of excavation and of moving the cover material. Also, it can influence runoff, erosion, and reclamation of the borrow area.

After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. The soil material used as the final cover for a landfill should be suitable for plants. It should not have excess sodium, salts, or lime and should not be too acid.

Waste Management

Soil properties are important when organic waste is applied as fertilizer and wastewater is applied in irrigated areas. They also are important when the soil is used as a medium for the treatment and disposal of the organic waste and wastewater. Unfavorable soil properties can result in environmental damage.

The use of organic waste and wastewater as production resources results in energy and resource conservation and minimizes the problems associated with waste disposal. If disposal is the goal, applying a maximum amount of the organic waste or the wastewater to a minimal area holds costs to a minimum and environmental damage is the main hazard. If reuse is the goal, a minimum amount should be applied to a maximum area and environmental damage is unlikely.

Interpretations developed for waste management may include ratings for manure- and food-processing waste, municipal sewage sludge, use of wastewater for irrigation, and treatment of wastewater by slow rate, overland flow, and rapid infiltration processes.

Specific information regarding waste management is available at the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Construction Materials

Tables "Construction Materials 1 and 2" give information about the soils as potential sources of

gravel, sand, reclamation material, roadfill, and topsoil. Normal compaction, minor processing, and other standard construction practices are assumed.

Sand and *gravel* are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In the "Construction Materials 1" table , only the likelihood of finding material in suitable quantity is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material. The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the Unified classification of the soil), the thickness of suitable material, and the content of rock fragments. If the bottom layer of the soil contains sand or gravel, the soil is considered a likely source regardless of thickness. The assumption is that the sand or gravel layer below the depth of observation exceeds the minimum thickness.

The soils are rated *good, fair,* or *poor* as potential sources of sand and gravel. A rating of *good* or *fair* means that the source material is likely to be in or below the soil. The bottom layer and the thickest layer of the soils are assigned numerical ratings. These ratings indicate the likelihood that the layer is a source of sand or gravel. The number 0.00 indicates that the layer is an unlikely source. A number between 0.00 and 1.00 indicates the degree to which the layer is a likely source.

The soils are rated *good, fair,* or *poor* as potential sources of topsoil, reclamation material, or roadfill. The features that limit the soils as sources of these materials are specified in the tables. The numerical ratings given after the specified features indicate the degree to which the features limit the soils as sources of topsoil, reclamation material, or roadfill. The lower the number, the greater the limitation.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

The surface layer of most soils is generally preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Reclamation material is used in areas that have been drastically disturbed by surface mining or similar activities. When these areas are reclaimed, layers of soil material or unconsolidated geological material, or both, are replaced in a vertical sequence. The reconstructed soil favors plant growth. The ratings in the table do not apply to quarries and other mined areas that require an offsite source of reconstruction material. The ratings are based on the soil properties that affect erosion and stability of the surface and the productive potential of the reconstructed soil. These properties include the content of sodium, salts, and calcium carbonate; reaction; available water capacity; erodibility; texture; content of rock fragments; and content of organic matter and other features that affect fertility.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In this table, the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the whole soil, from the surface to a depth of about 5 feet. It is assumed that soil layers will be mixed when the soil material is excavated and spread.

The ratings are based on the amount of suitable material and on soil properties that affect the ease of excavation and the performance of the material after it is in place. The thickness of the suitable material is a major consideration. The ease of excavation is affected by large stones, depth to a water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the AASHTO classification of the soil) and linear extensibility (shrink-swell potential).

Water Management

The "Water Management" table gives information on the soil properties and site features that affect water

management. The degree and kind of soil limitations are given for pond reservoir areas; embankments, dikes, and levees; and aquifer-fed excavated ponds. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil features is not a limitation (0.00).

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the permeability of the soil and the depth to fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. Embankments that haze zoned construction (core and shell) are not considered. In this table, the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of about 5 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even greater than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorable compaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects the amount of usable material. It also affects trafficability.

Excavated ponds (aquifer fed) are pits or dugouts that extend to a ground-water aquifer or to a depth below a permanent water table. Excluded are ponds that are fed only by surface runoff and embankment ponds that impound water 3 feet or more above the original surface. Excavated ponds are affected by depth to a permanent water table, permeability of the aquifer, and quality of the water as inferred from the salinity of the soil. Depth to bedrock and the content of large stones affect the ease of excavation.

Building Site Development - Table 1

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
12E:							
Wabek	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
14B:							
Alona	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Havre	25	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
19C:							
Archin	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
21C:							
Benz	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
24B:							
Davidell	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
25A:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
27A:							
Busby	85	Not limited		Not limited		Not limited	
27C:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
30C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Havre	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
31A:							
Ryell	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
33A:							
Chanta	85	Not limited		Not limited		Not limited	
34C:							
Tally	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
35C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
37B:							
Degrand	85	Not limited		Not limited		Not limited	
39A:							
Ethridge	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
39C:							
Ethridge	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
40A:							
Savage	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
40C:							
Savage	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
41A:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
41C:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
43F:							
Abor	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42		
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
44A:							
Farnuf	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
44C:							
Farnuf	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
45A:							
Glendive	85	Not limited		Not limited		Not limited	
46A:							
Hanly	85	Not limited		Not limited		Not limited	
47A:							
Harlake	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
50C:							
Kremlin	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
51C:							
Shambo	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
52A:							
Sagedale	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
52C:							
Sagedale	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
53A:							
Kobase	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
53C:							
Kobase	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
53D:							
Kobase	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.63	Slope	0.63	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
56A:							
Cherry	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
56C:							
Cherry	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
57A:							
Lonna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
57C:							
Lonna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
59C:							
Farland	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
60A:							
Golva	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
60C:							
Golva	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
61A:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
62A:							
Marvan	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
62C:							
Marvan	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
64A:							
Pinehill	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	0.50	Shrink-swell	1.00
64C:							
Pinehill	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	0.50	Shrink-swell	1.00
						Slope	0.12
64D:							
Pinehill	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Slope	0.63	Shrink-swell	1.00
		Slope	0.63	Shrink-swell	0.50	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
Ivanell	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
76B:							
Vanstel	85	Not limited		Not limited		Not limited	
76C:							
Vanstel	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
77A:							
Havre	50	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Bigsandy	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
79A:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
79C:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
79D:							
Yamacall	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
81A:							
Creed	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
81C:							
Creed	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
85C:							
Foreleft	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
88A:							
Floweree	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
88C:							
Floweree	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
90A:							
Sonnett	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
90C:							
Sonnett	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
93B:							
Brushton	85	Not limited		Not limited		Not limited	
98A:							
Macar	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
98C:							
Macar	85	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
112C:							
Absher	85	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
121D:							
Kremlin	30	Somewhat limited Shrink-swell Slope	 0.50 0.16	Somewhat limited Shrink-swell Slope	 0.50 0.16	Very limited Slope Shrink-swell	 1.00 0.50
Tinsley	30	Somewhat limited Slope	 0.16	Somewhat limited Slope	 0.16	Very limited Slope	 1.00
Degrand	25	Not limited		Not limited		Somewhat limited Slope	 0.47
122D:							
Tinsley	60	Somewhat limited Slope	 0.16	Somewhat limited Slope	 0.16	Very limited Slope	 1.00
Chanta	30	Not limited		Not limited		Somewhat limited Slope	 0.47
123F:							
Tinsley	40	Very limited Slope	 1.00	Very limited Slope	 1.00	Very limited Slope	 1.00
Delpoint	25	Very limited Slope Shrink-swell	 1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	 1.00 0.50 0.42	Very limited Slope Shrink-swell	 1.00 0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
123F: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
151F:							
Armells	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Kirby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
191C:							
Archin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Gerdrum	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
192C:							
Archin	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Davidell	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Bullock	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
222D:							
Floweree	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.47
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Lilsheep	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
228F:							
Cambeth	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
241B:							
Davidell	65	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Antwerp	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
242C:							
Davidell	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Ivanell	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
271E:							
Busby	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Blacksheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
Twilight	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
277D:							
Busby	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
Twilight	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.04		
278E:							
Busby	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
278E: (cont.)							
Yetull	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
293E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.65	Content of large stones	0.65	Content of large stones	0.65
296F:							
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Megonot	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
297D:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
297D: (cont.)							
Megonot	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.63	Slope	0.63	Slope	1.00
				Depth to soft bedrock	0.42		
297E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Yawdim	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
311A:							
Ryell	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
341D:							
Tally	50	Not limited		Not limited		Somewhat limited	
						Slope	0.86
Vebar	40	Not limited		Somewhat limited		Somewhat limited	
				Depth to soft bedrock	0.42	Slope	0.86
342C:							
Tally	50	Not limited		Not limited		Somewhat limited	
						Slope	0.12
Shambo	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
352D:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Slope	0.86
Twilight	40	Not limited		Somewhat limited		Somewhat limited	
				Depth to soft bedrock	0.42	Slope	0.86
353C:							
Chinook	50	Not limited		Not limited		Not limited	
Kremlin	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
355C:							
Chinook	35	Not limited		Not limited		Somewhat limited Slope	0.12
Twilight	30	Not limited		Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Slope	0.12
Eapa	20	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
357D:							
Chinook	35	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Lihen	30	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Twilight	20	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to soft bedrock	0.63 0.42	Very limited Slope	1.00
361E:							
Doney	40	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	1.00 0.50 0.42	Very limited Slope Shrink-swell	1.00 0.50
Broadus	30	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
Cabba	20	Very limited Slope Depth to soft bedrock Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Shrink-swell	1.00 1.00 0.50
381F:							
Delpoint	60	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	1.00 0.50 0.42	Very limited Slope Shrink-swell	1.00 0.50
Armells	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
383F:							
Delpoint	35	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	1.00 0.50 0.42	Very limited Slope Shrink-swell	1.00 0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
383F: (cont.)							
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
385E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
387D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Busby	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
387D: (cont.)							
Blacksheep	20	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to soft bedrock	1.00
388D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Kobase	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.47
Yawdim	15	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.16	Slope	0.16	Depth to soft bedrock	1.00
421A:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Creed	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
421C:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
Creed	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
421D:							
Gerdrum	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.16	Slope	0.16	Slope	1.00
Creed	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.86

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
451A:							
Glendive	85	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
452A:							
Glendive	85	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
453A:							
Glendive	50	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
Havre	40	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
456A:							
Havre	45	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
Glendive	45	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
461A:							
Hanly	85	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
462A:							
Hanly	50	Not limited		Not limited		Not limited	
Glendive	40	Not limited		Not limited		Not limited	
471A:							
Harlake	85	Very limited Flooding Shrink-swell	 1.00 1.00	Very limited Flooding Shrink-swell	 1.00 1.00	Very limited Flooding Shrink-swell	 1.00 1.00
473A:							
Lallie	85	Very limited Flooding Shrink-swell Depth to saturated zone	 1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 1.00	Very limited Flooding Shrink-swell Depth to saturated zone	 1.00 1.00 1.00
481A:							
Havre	85	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
483A:							
Havre	85	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
486A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Not limited		Not limited		Not limited	

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
487A:							
Havre	55	Not limited		Not limited		Not limited	
Harlake	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
488A:							
Havre	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
489A:							
Spinekop	85	Not limited		Not limited		Not limited	
491A:							
Ismay	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	0.50	Depth to saturated zone	0.61	Shrink-swell	0.50
				Shrink-swell	0.50		
501C:							
Kremlin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
511C:							
Shambo	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Doney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
531D:							
Kobase	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.04	Slope	0.04	Slope	1.00
532C:							
Kobase	60	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
Gerdrum	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
534C:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
542E:							
Lihen	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Yetull	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
552D:							
Neldore	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to soft bedrock	1.00
Abor	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.04	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.04		
Marvan	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
554E:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Weingart	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
561C:							
Cherry	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Cambert	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
562D:							
Cherry	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cambert	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
562D: (cont.)							
Cabba	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to soft bedrock	1.00
573D:							
Lonna	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
574E:							
Lonna	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cambeth	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
575C:							
Lonna	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
576A:							
Lonna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
576C:							
Lonna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
577D:							
Lonna	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.50
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.04	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.04		
Cabbart	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to soft bedrock	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.50
581C:							
Ivanell	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Cabbart	35	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
602C:							
Bonfri	85	Not limited		Somewhat limited		Somewhat limited	
				Depth to soft bedrock	0.42	Slope	0.12
603D:							
Busby	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
604E:							
Busby	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Yawdim	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
605D:							
Cabbart	50	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to soft bedrock	1.00
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
607C:							
Cambeth	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Cabbart	25	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
						Slope	0.12
608C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.46	Content of large stones	0.46	Content of large stones	0.46
Blacksheep	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Cabbart	35	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
						Slope	0.12
615C:							
Yamacall	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Havre	20	Not limited		Not limited		Not limited	

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
621B:							
Marvan	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Vanda	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
631F:							
Bitton	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ringling	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.51	Content of large stones	0.51	Content of large stones	0.51
641D:							
Pinehill	60	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	0.50	Shrink-swell	1.00
		Slope	0.04	Slope	0.04	Slope	1.00
Absher	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
650F:							
Armells	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
651C:							
Busby	35	Not limited		Not limited		Somewhat limited	
						Slope	0.12
Twilight	30	Not limited		Somewhat limited		Somewhat limited	
				Depth to soft bedrock	0.42	Slope	0.12
Blacksheep	25	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
						Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
652C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
653B:							
Davidell	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
654B:							
Eapa	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
656A:							
Gerdrum	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
657C:							
Gerdrum	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
658C:							
Gerdrum	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
Marvan	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
659A:							
Glendive	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
660A:							
Hanly	50	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Glendive	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
661A:							
Havre	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Abor	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
Abor	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
666C:							
Neldore	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
						Slope	0.12
Volborg	35	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
667E:							
Weingart	55	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.47
Neldore	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
668A:							
Zatoville	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to saturated zone	0.61	Shrink-swell	0.50
				Shrink-swell	0.50		
681A:							
Rivra	45	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.82	Depth to saturated zone	1.00	Depth to saturated zone	0.82
Rivra	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.82	Depth to saturated zone	1.00	Depth to saturated zone	0.82
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.63	Content of large stones	0.63	Content of large stones	0.63
701E:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Content of large stones	0.34
702F:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Content of large stones	0.34

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
731E:							
Cambert	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Content of large stones	0.34
732C:							
Cambert	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Widen	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
732D:							
Cambert	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Widen	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.63	Slope	0.63	Slope	1.00
				Depth to soft bedrock	0.42		
733E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Widen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
734E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cherry	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
742E:							
Neldore	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
Abor	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.16		
781A:							
Vanda	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.08	Depth to saturated zone	1.00	Depth to saturated zone	0.08
797E:							
Yamacall	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Busby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
798C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
798C: (cont.)							
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
799E:							
Yamacall	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Birney	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
802E:							
Shambo	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Lisk	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
811C:							
Creed	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Pinehill	35	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	0.50	Shrink-swell	1.00
						Slope	0.12
813C:							
Creed	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Absher	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
831F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
831F: (cont.)							
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Wayden	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
832E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Macar	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
841F:							
Birney	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Armells	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
843E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
844A:							
Havre	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Harlake	30	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Glendive	25	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
845C:							
Ivanell	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.23	Slope	0.12
Davidell	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
846F:							
Blacksheep	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Yetull	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
862E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
862F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
871C:							
Morton	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Farland	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
891D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.47
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
892D:							
Yamacall	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
Delpoint	30	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Cabbart	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to soft bedrock	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
901A:							
Sonnett	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Sonnett	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
901C:							
Sonnett	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Sonnett	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
902C:							
Sonnett	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
911F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
912F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
912F: (cont.)							
Kirby	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.54	Content of large stones	0.54	Content of large stones	0.54
913D:							
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
Cooers	30	Not limited		Not limited		Somewhat limited	
						Slope	0.12
Kirby	20	Somewhat limited		Somewhat limited		Very limited	
		Content of large stones	0.27	Content of large stones	0.27	Slope	1.00
		Slope	0.16	Slope	0.16	Content of large stones	0.27
914D:							
Bullock	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Ralore	25	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to soft bedrock	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
916E:							
Busby	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Twilight	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Blacksheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
917D:							
Cambeth	55	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Cabbart	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.16	Slope	0.16	Depth to soft bedrock	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
918E:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
919F:							
Delpoint	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
921F:							
Twilight	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
Busby	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
931C:							
Ralph	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12
Brushton	40	Not limited		Not limited		Somewhat limited	
						Slope	0.12
940E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Yamacall	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
940E: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
941C:							
Gerdrum	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
Kobase	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.12
942A:							
Harlake	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.72	Content of large stones	0.72	Content of large stones	0.72
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.63	Slope	0.63	Slope	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
945A:							
Lonna	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Alona	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
945C:							
Lonna	65	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
Alona	20	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
946A:							
Lonna	70	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
Antwerp	20	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
946C:							
Lonna	65	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
Antwerp	20	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50
947E:							
Lonna	50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Very limited Slope Shrink-swell	 1.00 0.50
Cabbart	20	Very limited Slope Depth to soft bedrock	 1.00 1.00	Very limited Depth to soft bedrock Slope	 1.00 1.00	Very limited Slope Depth to soft bedrock	 1.00 1.00
Yawdim	15	Very limited Shrink-swell Slope Depth to soft bedrock	 1.00 1.00 1.00	Very limited Shrink-swell Depth to soft bedrock Slope	 1.00 1.00 1.00	Very limited Shrink-swell Slope Depth to soft bedrock	 1.00 1.00 1.00
948B:							
Rominell	85	Not limited		Not limited		Not limited	
949E:							
Tinsley	85	Very limited Slope	 1.00	Very limited Slope	 1.00	Very limited Slope	 1.00
951C:							
Vanstel	85	Not limited		Not limited		Somewhat limited Slope	 0.12
952D:							
Yamacall	50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Very limited Slope Shrink-swell	 1.00 0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
952D: (cont.)							
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
953E:							
Yamacall	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Birney	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
954C:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.12
Busby	40	Not limited		Not limited		Somewhat limited	
						Slope	0.12
954D:							
Yamacall	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Busby	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
955D:							
Yamacall	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.16		
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Kobase	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
957E:							
Abor	55	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42		
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Delpoint	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
958D:							
Abor	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.16		
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Kobase	15	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.47
959D:							
Abor	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
Weingart	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42	Slope	0.12
Neldore	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to soft bedrock	1.00
960A:							
Busby	85	Not limited		Not limited		Not limited	

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
961C:							
Busby	50	Not limited		Not limited		Not limited	
Yetull	35	Not limited		Not limited		Not limited	
962F:							
Cambert	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Bigsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Golva	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
963E:							
Cambeth	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
964E:							
Cambeth	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Shrink-swell	0.50
				Slope	0.16		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Yawdim	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.16	Slope	0.16	Depth to soft bedrock	1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
965C:							
Chinook	50	Not limited		Not limited		Somewhat limited Slope	 0.12
Twilight	40	Not limited		Somewhat limited Depth to soft bedrock	 0.42	Somewhat limited Slope	 0.12
966D:							
Chinook	40	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63	Very limited Slope	 1.00
Twilight	25	Somewhat limited Slope	 0.63	Somewhat limited Slope Depth to soft bedrock	 0.63 0.42	Very limited Slope	 1.00
Blacksheep	20	Somewhat limited Depth to soft bedrock Slope	 1.00 0.63	Very limited Depth to soft bedrock Slope	 1.00 0.63	Very limited Slope Depth to soft bedrock	 1.00 1.00
967E:							
Delpoint	45	Very limited Slope Shrink-swell	 1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	 1.00 0.50 0.42	Very limited Slope Shrink-swell	 1.00 0.50
Cabbart	25	Very limited Slope Depth to soft bedrock Shrink-swell	 1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Shrink-swell	 1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Shrink-swell	 1.00 1.00 0.50
Yawdim	15	Very limited Slope Depth to soft bedrock	 1.00 1.00	Very limited Depth to soft bedrock Slope	 1.00 1.00	Very limited Slope Depth to soft bedrock	 1.00 1.00
968E:							
Delpoint	35	Very limited Slope Shrink-swell	 1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	 1.00 0.50 0.42	Very limited Slope Shrink-swell	 1.00 0.50
Yamacall	30	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Very limited Slope Shrink-swell	 1.00 0.50
Cabbart	20	Very limited Slope Depth to soft bedrock Shrink-swell	 1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Shrink-swell	 1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Shrink-swell	 1.00 1.00 0.50

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
969C:							
Eapa	50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
Delpoint	35	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Depth to soft bedrock	 0.50 0.42	Somewhat limited Shrink-swell Slope	 0.50 0.12
971E:							
Lisk	40	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63	Very limited Slope	 1.00
Cohagen	25	Very limited Slope Depth to soft bedrock	 1.00 1.00	Very limited Slope Depth to soft bedrock	 1.00 1.00	Very limited Slope Depth to soft bedrock	 1.00 1.00
Dast	20	Very limited Slope	 1.00	Very limited Slope Depth to soft bedrock	 1.00 0.42	Very limited Slope	 1.00
981C:							
Macar	50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
Doney	35	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Depth to soft bedrock	 0.50 0.42	Somewhat limited Shrink-swell Slope	 0.50 0.12
982D:							
Macar	40	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Very limited Slope Shrink-swell	 1.00 0.50
Doney	30	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell Depth to soft bedrock	 0.63 0.50 0.42	Very limited Slope Shrink-swell	 1.00 0.50
Cabba	15	Somewhat limited Depth to soft bedrock Slope Shrink-swell	 1.00 0.63 0.50	Very limited Depth to soft bedrock Slope Shrink-swell	 1.00 0.63 0.50	Very limited Slope Depth to soft bedrock Shrink-swell	 1.00 1.00 0.50
983E:							
Macar	45	Somewhat limited Slope Shrink-swell	 0.63 0.50	Somewhat limited Slope Shrink-swell	 0.63 0.50	Very limited Slope Shrink-swell	 1.00 0.50
Lisk	25	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63	Very limited Slope	 1.00

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
983E: (cont.)							
Cohagen	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
990E:							
Lihen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
991F:							
Neldore	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42		
992C:							
Parshall	85	Not limited		Not limited		Not limited	
993C:							
Pinehill	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Weingart	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.42		
Gerdrum	15	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
994E:							
Cabbart	45	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	0.96	Slope	0.96	Depth to soft bedrock	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Bullock	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.42	Slope	0.12

Building Site Development - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
995C:							
Yamacall	50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Shrink-swell Slope	 0.50 0.12
Gerdrum	35	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell Slope	 1.00 0.12
996A:							
Yetull	50	Not limited		Not limited		Not limited	
Busby	40	Not limited		Not limited		Not limited	
4621A:							
Hanly	50	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
Glendive	40	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
4861A:							
Glendive	50	Not limited		Not limited		Not limited	
Havre	40	Not limited		Not limited		Not limited	
4871A:							
Havre	55	Very limited Flooding	 1.00	Very limited Flooding	 1.00	Very limited Flooding	 1.00
Harlake	35	Very limited Flooding Shrink-swell	 1.00 1.00	Very limited Flooding Shrink-swell	 1.00 1.00	Very limited Flooding Shrink-swell	 1.00 1.00
4881A:							
Havre	85	Not limited		Not limited		Not limited	
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Building Site Development - Table 2

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.77
				Too clayey	0.03		
12E:							
Wabek	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.61
						Gravel content	0.25
14B:							
Alona	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50				
Havre	25	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
19C:							
Archin	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
21C:							
Benz	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50			Salinity	0.50
24B:							
Davidell	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
25A:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Too clayey	0.50		
27A:							
Busby	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
27C:							
Busby	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
30C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Havre	35	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
31A:							
Ryell	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
		Flooding	0.40				
33A:							
Chanta	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
34C:							
Tally	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
35C:							
Chinook	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
37B:							
Degrand	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
39A:							
Ethridge	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
39C:							
Ethridge	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
40A:							
Savage	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
				Too clayey	0.03		
40C:							
Savage	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
				Too clayey	0.03		
41A:							
Eapa	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
41C:							
Eapa	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
43F:							
Abor	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28	Droughty	0.12
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Gravel content	1.00
		Frost action	0.50	Slope	1.00	Slope	1.00
						Droughty	0.28
						Content of large stones	0.01
44A:							
Farnuf	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
44C:							
Farnuf	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
45A:							
Glendive	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
46A:							
Hanly	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
47A:							
Harlake	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.28	Too clayey	1.00
				Cutbanks cave	0.10		
50C:							
Kremlin	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
51C:							
Shambo	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
52A:							
Sagedale	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
52C:							
Sagedale	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
53A:							
Kobase	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
53C:							
Kobase	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
53D:							
Kobase	85	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Cutbanks cave	0.10		
56A:							
Cherry	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
56C:							
Cherry	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
57A:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
57C:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
59C:							
Farland	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
60A:							
Golva	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
60C:							
Golva	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
61A:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Too clayey	0.50		
62A:							
Marvan	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
				Too clayey	0.72	Too clayey	1.00
62C:							
Marvan	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
				Too clayey	0.72	Too clayey	1.00
64A:							
Pinehill	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
				Too clayey	0.03		
64C:							
Pinehill	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
				Too clayey	0.03		
64D:							
Pinehill	85	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Cutbanks cave	0.10		
				Too clayey	0.03		
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.50	Sodium content	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.13
Ivanell	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
76B:							
Vanstel	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
76C:							
Vanstel	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
77A:							
Havre	50	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Bigsandy	40	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
		Shrink-swell	0.50				
79A:							
Yamacall	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
79C:							
Yamacall	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
79D:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
81A:							
Creed	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
81C:							
Creed	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
85C:							
Foreleft	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
88A:							
Floweree	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
88C:							
Floweree	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
90A:							
Sonnett	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
90C:							
Sonnett	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
93B:							
Brushton	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
98A:							
Macar	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
98C:							
Macar	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
112C:							
Absher	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.28	Sodium content	1.00
				Cutbanks cave	0.10	Droughty	0.58
						Salinity	0.50
121D:							
Kremlin	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Slope	0.16	Slope	0.16
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.16				
Tinsley	30	Somewhat limited		Very limited		Very limited	
		Slope	0.16	Cutbanks cave	1.00	Droughty	1.00
				Slope	0.16	Gravel content	1.00
						Slope	0.16
						Content of large stones	0.03
Degrand	25	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
122D:							
Tinsley	60	Somewhat limited		Very limited		Very limited	
		Slope	0.16	Cutbanks cave	1.00	Droughty	1.00
				Slope	0.16	Gravel content	1.00
						Slope	0.16
						Content of large stones	0.03
Chanta	30	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
123F:							
Tinsley	40	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Droughty	1.00
				Slope	1.00	Gravel content	1.00
						Slope	1.00
						Content of large stones	0.03
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
151F:							
Armells	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.32
						Gravel content	0.22
						Content of large stones	0.01
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Kirby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
191C:							
Archin	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
Gerdrum	35	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
192C:							
Archin	35	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
Davidell	30	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
192C: (cont.)							
Bullock	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
						Droughty	0.08
222D:							
Floweree	35	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cambeth	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Lilsheep	20	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.22
		Slope	0.16	Slope	0.16	Slope	0.16
						Droughty	0.11
						Content of large stones	0.01
228F:							
Cambeth	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.22
						Droughty	0.11
						Content of large stones	0.01
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
241B:							
Davidell	65	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
Antwerp	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50			Salinity	0.01
242C:							
Davidell	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
242C: (cont.)							
Ivanell	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
271E:							
Busby	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
Blacksheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.96
Twilight	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
277D:							
Busby	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
Twilight	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04		
278E:							
Busby	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
Yetull	35	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Droughty	0.90
				Slope	0.04	Slope	0.04
293E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
293E: (cont.)							
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Droughty	1.00
		Content of large stones	0.65	Content of large stones	0.65	Slope	1.00
				Cutbanks cave	0.10	Gravel content	0.22
						Content of large stones	0.01
296F:							
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Megonot	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.39
297D:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Megonot	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.39
297E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
297E: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Yawdim	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.77
				Too clayey	0.03		
311A:							
Ryell	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
341D:							
Tally	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Vebar	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.30
342C:							
Tally	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Shambo	40	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
352D:							
Chinook	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Twilight	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
353C:							
Chinook	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Kremlin	40	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
355C:							
Chinook	35	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
355C: (cont.)							
Twilight	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Eapa	20	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
357D:							
Chinook	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
Lihen	30	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Slope	0.63
				Slope	0.63	Droughty	0.11
Twilight	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
361E:							
Doney	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
381F:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Armells	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.32
						Gravel content	0.22
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
383F:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.77
				Too clayey	0.03		
385E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50				
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
387D:							
Delpoint	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Busby	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Blacksheep	20	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	0.96
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
388D:							
Delpoint	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Kobase	25	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
Yawdim	15	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	0.16	Droughty	0.77
		Slope	0.16	Cutbanks cave	0.10	Slope	0.16
				Too clayey	0.03		
421A:							
Gerdrum	45	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
Creed	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
421C:							
Gerdrum	45	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
Creed	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
421D:							
Gerdrum	45	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Slope	0.16	Sodium content	1.00
		Slope	0.16	Too clayey	0.12	Slope	0.16
				Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
421D: (cont.)							
Creed	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Slope	0.16	Sodium content	1.00
		Slope	0.16	Too clayey	0.12	Slope	0.16
				Cutbanks cave	0.10		
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28	Droughty	0.12
451A:							
Glendive	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
452A:							
Glendive	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
453A:							
Glendive	50	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Havre	40	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
456A:							
Havre	45	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Glendive	45	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
461A:							
Hanly	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
				Flooding	0.60	Droughty	0.01
462A:							
Hanly	50	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01
Glendive	40	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
471A:							
Harlake	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.60	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.12	Flooding	0.60
				Cutbanks cave	0.10		
473A:							
Lallie	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.28	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10	Salinity	0.01
481A:							
Havre	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
483A:							
Havre	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.60	Too clayey	1.00
				Too clayey	0.28	Flooding	0.60
				Cutbanks cave	0.10		
486A:							
Glendive	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Havre	40	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
487A:							
Havre	55	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Harlake	35	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
				Cutbanks cave	0.10		
488A:							
Havre	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
489A:							
Spinekop	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
491A:							
Ismay	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Depth to saturated zone	0.61	Sodium content	1.00
		Shrink-swell	0.50	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10	Salinity	0.13

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
501C:							
Kremlin	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
511C:							
Shambo	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Doney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
531D:							
Kobase	85	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
532C:							
Kobase	60	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
Gerdrum	30	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
534C:							
Marias	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Too clayey	0.50		
542E:							
Lihen	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.11
Yetull	25	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Gravel content	1.00
				Slope	1.00	Slope	1.00
						Droughty	0.94
						Content of large stones	0.01
552D:							
Neldore	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Too clayey	1.00
		Slope	0.04	Cutbanks cave	0.10	Droughty	0.98
				Slope	0.04	Slope	0.04
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
552D: (cont.)							
Abor	30	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Slope	0.04	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28	Droughty	0.12
				Slope	0.04	Slope	0.04
Marvan	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
				Too clayey	0.72	Too clayey	1.00
554E:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Weingart	25	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.50	Sodium content	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.13
561C:							
Cherry	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cambert	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
562D:							
Cherry	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cambert	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabba	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
573D:							
Lonna	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Sodium content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.63
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
573D: (cont.)							
Cambeth	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
574E:							
Lonna	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.96	Slope	0.96	Slope	0.96
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cambeth	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50				
575C:							
Lonna	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
576A:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
576C:							
Lonna	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
577D:							
Lonna	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.04
		Frost action	0.50	Slope	0.04		
		Slope	0.04				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
577D: (cont.)							
Cambeth	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
Cabbart	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50	Slope	0.04	Slope	0.04
		Slope	0.04				
581C:							
Ivanell	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
Cabbart	35	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
602C:							
Bonfri	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
603D:							
Busby	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
604E:							
Busby	35	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Slope	0.63
		Frost action	0.50	Slope	0.63		
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Yawdim	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.80
				Too clayey	0.03		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
605D:							
Cabbart	50	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	0.98
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
Cambeth	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
607C:							
Cambeth	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	25	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.98
608C:							
Chinook	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.46	Content of large stones	0.46	Droughty	1.00
				Cutbanks cave	0.10	Gravel content	0.22
						Content of large stones	0.01
Blacksheep	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabbart	35	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.98
615C:							
Yamacall	70	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
615C: (cont.)							
Havre	20	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
621B:							
Marvan	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
				Too clayey	0.72	Too clayey	1.00
Vanda	35	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.28	Sodium content	1.00
				Cutbanks cave	0.10	Too clayey	1.00
						Salinity	0.13
						Droughty	0.01
631F:							
Bitton	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.11
						Droughty	0.01
						Content of large stones	0.01
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
Ringling	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.51	Content of large stones	0.51	Gravel content	1.00
				Cutbanks cave	0.10	Droughty	0.96
						Content of large stones	0.54
641D:							
Pinehill	60	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
				Too clayey	0.03		
Absher	30	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.28	Sodium content	1.00
				Cutbanks cave	0.10	Droughty	0.58
						Salinity	0.50
650F:							
Armells	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.37
						Gravel content	0.22
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
650F: (cont.)							
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.80
		Frost action	0.50				
651C:							
Busby	35	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
Twilight	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Blacksheep	25	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.96
652C:							
Chinook	85	Somewhat limited		Somewhat limited		Very limited	
		Frost action	0.50	Cutbanks cave	0.10	Sodium content	1.00
653B:							
Davidell	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
654B:							
Eapa	85	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
656A:							
Gerdrum	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
657C:							
Gerdrum	85	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
658C:							
Gerdrum	50	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10	Too clayey	1.00

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
658C: (cont.)							
Marvan	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
				Too clayey	0.72	Too clayey	1.00
659A:							
Glendive	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
660A:							
Hanly	50	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
				Flooding	0.60	Droughty	0.34
Glendive	40	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
661A:							
Havre	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Salinity	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to saturated zone	1.00
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Droughty	1.00
				Too clayey	0.50	Depth to bedrock	1.00
				Cutbanks cave	0.10	Too clayey	1.00
						Content of large stones	0.01
Abor	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28		
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too clayey	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
663F: (cont.)							
Abor	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28		
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Droughty	1.00
				Too clayey	0.50	Depth to bedrock	1.00
				Cutbanks cave	0.10	Too clayey	1.00
						Content of large stones	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.80
		Frost action	0.50				
666C:							
Neldore	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Too clayey	1.00
				Cutbanks cave	0.10	Droughty	1.00
						Content of large stones	0.01
Volborg	35	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
				Too clayey	0.12	Droughty	1.00
				Cutbanks cave	0.10	Too clayey	1.00
667E:							
Weingart	55	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.50	Sodium content	1.00
				Depth to soft bedrock	0.42	Too clayey	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.42
						Droughty	0.18

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
667E: (cont.)							
Neldore	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too clayey	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Slope	1.00
				Cutbanks cave	0.10	Droughty	0.99
						Content of large stones	0.01
668A:							
Zatoville	90	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to saturated zone	0.61	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10		
681A:							
Rivra	45	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Droughty	1.00
		Depth to saturated zone	0.43	Depth to saturated zone	1.00	Flooding	0.60
				Flooding	0.60	Depth to saturated zone	0.43
Rivra	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Droughty	1.00
		Depth to saturated zone	0.43	Depth to saturated zone	1.00	Flooding	0.60
				Flooding	0.60	Depth to saturated zone	0.43
						Gravel content	0.08
						Content of large stones	0.03
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.63	Content of large stones	0.63	Droughty	1.00
				Cutbanks cave	0.10	Gravel content	1.00
						Content of large stones	0.03
701E:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.50
						Droughty	0.03

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
701E: (cont.)							
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Droughty	0.74
				Cutbanks cave	0.10	Gravel content	0.22
						Content of large stones	0.01
702F:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.50
						Droughty	0.03
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Droughty	0.74
				Cutbanks cave	0.10	Gravel content	0.22
						Content of large stones	0.01
731E:							
Cambert	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.34	Content of large stones	0.34	Droughty	0.74
				Cutbanks cave	0.10	Gravel content	0.22
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
732C:							
Cambert	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Widen	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
				Too clayey	0.03		
732D:							
Cambert	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Widen	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
				Too clayey	0.03		
733E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
Widen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
				Too clayey	0.03		
734E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
734E: (cont.)							
Cherry	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.96	Slope	0.96	Slope	0.96
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
742E:							
Neldore	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too clayey	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Slope	1.00
				Cutbanks cave	0.10	Droughty	0.98
						Content of large stones	0.01
Abor	40	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28	Slope	0.16
				Slope	0.16	Droughty	0.12
781A:							
Vanda	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Salinity	1.00
		Depth to saturated zone	0.03	Too clayey	0.50	Sodium content	1.00
				Cutbanks cave	0.10	Too clayey	1.00
						Droughty	0.92
						Depth to saturated zone	0.03
797E:							
Yamacall	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Busby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.96

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
798C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
799E:							
Yamacall	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Birney	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.35
						Gravel content	0.18
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
802E:							
Shambo	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Lisk	30	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00		
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.01
811C:							
Creed	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
Pinehill	35	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
				Too clayey	0.03		
813C:							
Creed	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
813C: (cont.)							
Absher	35	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.28	Sodium content	1.00
				Cutbanks cave	0.10	Droughty	0.58
						Salinity	0.50
831F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
Wayden	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.91
				Too clayey	0.03		
832E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Macar	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
841F:							
Birney	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.42
						Gravel content	0.18
Armells	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
841F: (cont.)							
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.81
		Frost action	0.50				
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.96
				Too clayey	0.03		
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.99
844A:							
Havre	35	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Harlake	30	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Shrink-swell	1.00	Too clayey	0.12		
				Cutbanks cave	0.10		
Glendive	25	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
845C:							
Ivanell	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.23	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.23
Davidell	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
846F:							
Blacksheep	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.93
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00		
Yetull	30	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Droughty	0.90
				Slope	0.63	Slope	0.63
Rock outcrop	15	Not rated		Not rated		Not rated	
862E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.50
						Droughty	0.03
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
862F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.50
						Droughty	0.03
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.93
		Frost action	0.50				
871C:							
Morton	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Farland	40	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
891D:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Birney	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.16	Droughty	0.35
		Slope	0.16	Cutbanks cave	0.10	Gravel content	0.18
						Slope	0.16
Delpoint	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
892D:							
Yamacall	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Slope	0.16	Slope	0.16
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.16				
Delpoint	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
892D: (cont.)							
Cabbart	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Slope	0.16	Droughty	0.79
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.16
		Slope	0.16				
901A:							
Sonnett	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Sonnett	35	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
901C:							
Sonnett	45	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Sonnett	40	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
902C:							
Sonnett	60	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50			Salinity	0.01
911F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
912F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.44
						Gravel content	0.22
						Content of large stones	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
912F: (cont.)							
Kirby	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.54	Content of large stones	0.54	Droughty	1.00
				Cutbanks cave	0.10	Gravel content	1.00
						Content of large stones	0.03
913D:							
Birney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.35
		Slope	0.04	Slope	0.04	Gravel content	0.18
						Slope	0.04
Cooers	30	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Kirby	20	Somewhat limited		Somewhat limited		Very limited	
		Content of large stones	0.27	Content of large stones	0.27	Droughty	1.00
		Slope	0.16	Slope	0.16	Gravel content	0.22
				Cutbanks cave	0.10	Slope	0.16
						Content of large stones	0.01
914D:							
Bullock	55	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
						Droughty	0.19
Ralore	25	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Slope	0.16	Droughty	0.86
		Slope	0.16	Cutbanks cave	0.10	Slope	0.16
916E:							
Busby	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
Twilight	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Blacksheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.96

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
917D:							
Cambeth	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Cabbart	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Slope	0.16	Droughty	0.97
		Slope	0.16	Cutbanks cave	0.10	Slope	0.16
918E:							
Cambeth	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.81
919F:							
Delpoint	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
921F:							
Twilight	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Blacksheep	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.96
Busby	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
931C:							
Ralph	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Brushton	40	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
940E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.77
		Frost action	0.50				
941C:							
Gerdrum	40	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
Kobase	40	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
942A:							
Harlake	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	1.00	Too clayey	0.12		
				Cutbanks cave	0.10		
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.72	Content of large stones	0.72	Droughty	1.00
				Cutbanks cave	0.10	Gravel content	1.00
						Content of large stones	0.03
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
944E:							
Kobase	45	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Cutbanks cave	0.10		
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.80
		Frost action	0.50				
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
				Too clayey	0.03		
945A:							
Lonna	70	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Alona	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
945C:							
Lonna	65	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Alona	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50				
946A:							
Lonna	70	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Antwerp	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50			Salinity	0.01
946C:							
Lonna	65	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Antwerp	20	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Frost action	0.50			Salinity	0.01

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
947E:							
Lonna	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Yawdim	15	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Cutbanks cave	0.10	Droughty	0.79
				Too clayey	0.03		
948B:							
Rominell	85	Somewhat limited		Somewhat limited		Very limited	
		Frost action	0.50	Cutbanks cave	0.10	Sodium content	1.00
949E:							
Tinsley	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	1.00
						Gravel content	1.00
						Content of large stones	0.03
951C:							
Vanstel	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
952D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Birney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.31
						Gravel content	0.18
953E:							
Yamacall	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Birney	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.31
						Gravel content	0.18

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
953E: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.80
		Frost action	0.50				
954C:							
Yamacall	50	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Frost action	0.50				
Busby	40	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
954D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Busby	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
955D:							
Yamacall	50	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.16
		Frost action	0.50	Slope	0.16		
		Slope	0.16				
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Slope	0.16	Slope	0.16	Slope	0.16
				Cutbanks cave	0.10		
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	1.00
				Too clayey	0.03		
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Kobase	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
957E:							
Abor	55	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28		
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.86
		Frost action	0.50				
Delpoint	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
958D:							
Abor	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Slope	0.16	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28	Slope	0.16
				Slope	0.16	Droughty	0.01
Delpoint	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Kobase	15	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
959D:							
Abor	35	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Depth to bedrock	0.42
				Depth to soft bedrock	0.42		
				Too clayey	0.28		
Weingart	30	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.50	Sodium content	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.07

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
959D: (cont.)							
Neldore	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Too clayey	1.00
		Slope	0.04	Cutbanks cave	0.10	Droughty	0.98
				Slope	0.04	Slope	0.04
						Content of large stones	0.01
960A:							
Busby	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
961C:							
Busby	50	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
Yetull	35	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.89
962F:							
Cambert	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Bigsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Gravel content	1.00
		Frost action	0.50	Slope	1.00	Slope	1.00
						Content of large stones	0.01
Golva	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
963E:							
Cambeth	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.86
		Frost action	0.50				
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
964E:							
Cambeth	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Yawdim	20	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	0.16	Droughty	0.86
		Slope	0.16	Cutbanks cave	0.10	Slope	0.16
				Too clayey	0.03		
965C:							
Chinook	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Twilight	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
966D:							
Chinook	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
Twilight	25	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
Blacksheep	20	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	0.99
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
967E:							
Delpoint	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
967E: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Yawdim	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Slope	1.00
				Too clayey	0.03		
968E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.86
		Frost action	0.50				
969C:							
Eapa	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Delpoint	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10		
971E:							
Lisk	40	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Slope	0.63
		Frost action	0.50	Slope	0.63		
Cohagen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.99

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
971E: (cont.)							
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10		
981C:							
Macar	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Doney	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
982D:							
Macar	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Doney	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
Cabba	15	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	0.93
		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.63
		Frost action	0.50				
983E:							
Macar	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Lisk	25	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Slope	0.63
		Frost action	0.50	Slope	0.63		
Cohagen	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.99
990E:							
Lihen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.14

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
990E: (cont.)							
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Droughty	1.00
				Slope	1.00	Slope	1.00
						Gravel content	0.22
						Content of large stones	0.01
991F:							
Neldore	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.50	Too clayey	1.00
				Cutbanks cave	0.10	Droughty	0.98
						Content of large stones	0.01
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Too clayey	0.28		
992C:							
Parshall	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
993C:							
Pinehill	45	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Weingart	30	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.50	Sodium content	1.00
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty	0.01
Gerdrum	15	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
994E:							
Cabbart	45	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.96	Slope	0.96	Slope	0.96
		Shrink-swell	0.50	Cutbanks cave	0.10	Droughty	0.79
		Frost action	0.50				
Bullock	35	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to soft bedrock	0.42	Sodium content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
						Droughty	0.07

Building Site Development - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
995C:							
Yamacall	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Gerdrum	35	Very limited		Somewhat limited		Very limited	
		Shrink-swell	1.00	Too clayey	0.12	Sodium content	1.00
				Cutbanks cave	0.10		
996A:							
Yetull	50	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.88
Busby	40	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
4621A:							
Hanly	50	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
				Flooding	0.60	Droughty	0.01
Glendive	40	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
4861A:							
Glendive	50	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Havre	40	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
4871A:							
Havre	55	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Harlake	35	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	1.00	Too clayey	0.12		
				Cutbanks cave	0.10		
4881A:							
Havre	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Sanitary Facilities - Table 1

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
3F:					
Cabbart	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Rock outcrop	30	Not rated		Not rated	
Yawdim	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
12E:					
Wabek	85	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
14B:					
Alona	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
17F:					
Badland	90	Not rated		Not rated	
18E:					
Cabbart	60	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Havre	25	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
19C:					
Archin	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
21C:					
Benz	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.33

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
24B:					
Davidell	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
25A:					
Marias	85	Very limited		Not limited	
		Restricted permeability	1.00		
27A:					
Busby	85	Not limited		Very limited	
				Seepage	1.00
27C:					
Busby	85	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
30C:					
Yamacall	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Havre	35	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
31A:					
Ryell	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Flooding	0.40
		Flooding	0.40		
33A:					
Chanta	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50		
34C:					
Tally	85	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
35C:					
Chinook	85	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
37B:					
Degrand	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.01
39A:					
Ethridge	85	Very limited		Not limited	
		Restricted permeability	1.00		
39C:					
Ethridge	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
40A:					
Savage	85	Very limited		Not limited	
		Restricted permeability	1.00		
40C:					
Savage	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
41A:					
Eapa	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
41C:					
Eapa	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.33
43F:					
Abor	50	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
Lilsheep	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	0.78	Seepage	0.50
		Restricted permeability	0.50	Depth to soft bedrock	0.42
44A:					
Farnuf	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
44C:					
Farnuf	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.33
45A:					
Glendive	85	Not limited		Very limited	
				Seepage	1.00
46A:					
Hanly	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
47A:					
Harlake	85	Very limited		Not limited	
		Restricted permeability	1.00		
50C:					
Kremlin	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
51C:					
Shambo	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
52A:					
Sagedale	85	Very limited		Not limited	
		Restricted permeability	1.00		
52C:					
Sagedale	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
53A:					
Kobase	85	Very limited		Not limited	
		Restricted permeability	1.00		
53C:					
Kobase	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
53D:					
Kobase	85	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
56A:					
Cherry	85	Very limited Restricted permeability	1.00	Not limited	
56C:					
Cherry	85	Very limited Restricted permeability	1.00	Somewhat limited Slope	0.67
57A:					
Lonna	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Seepage	0.50
57C:					
Lonna	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Slope	0.67
				Seepage	0.50
59C:					
Farland	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Slope	0.67
				Seepage	0.50
60A:					
Golva	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Seepage	0.50
60C:					
Golva	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Slope	0.67
				Seepage	0.50
61A:					
Marias	85	Very limited Restricted permeability	1.00	Not limited	
62A:					
Marvan	85	Very limited Restricted permeability	1.00	Not limited	
62C:					
Marvan	85	Very limited Restricted permeability	1.00	Somewhat limited Slope	0.67
64A:					
Pinehill	85	Very limited Restricted permeability	1.00	Not limited	

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
64C:					
Pinehill	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
64D:					
Pinehill	85	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		
67A:					
Riverwash	90	Not rated		Not rated	
75C:					
Weingart	45	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67
Ivanell	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
76B:					
Vanstel	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.01
76C:					
Vanstel	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
77A:					
Havre	50	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
Bigsandy	40	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	1.00		
79A:					
Yamacall	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
79C:					
Yamacall	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
79D:					
Yamacall	85	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
81A:					
Creed	85	Very limited		Not limited	
		Restricted permeability	1.00		
81C:					
Creed	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
85C:					
Foreleft	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
88A:					
Floweree	85	Very limited		Not limited	
		Restricted permeability	1.00		
88C:					
Floweree	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.33
90A:					
Sonnett	85	Very limited		Not limited	
		Restricted permeability	1.00		
90C:					
Sonnett	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
93B:					
Brushton	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.01
98A:					
Macar	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
98C:					
Macar	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
112C:					
Absher	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.33
121D:					
Kremlin	30	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Tinsley	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.16	Slope	1.00
Degrand	25	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.91
122D:					
Tinsley	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.16	Slope	1.00
				Content of large stones	0.01
Chanta	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.91
123F:					
Tinsley	40	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
Delpoint	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
151F:					
Armells	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Kirby	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
				Seepage	1.00
				Content of large stones	0.12
191C:					
Archin	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Gerdrum	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
192C:					
Archin	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Davidell	30	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Bullock	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
222D:					
Floweree	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.91
Cambeth	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50
Lilsheep	20	Somewhat limited		Very limited	
		Depth to bedrock	0.78	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
		Slope	0.16	Depth to soft bedrock	0.42

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
228F:					
Cambeth	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Lilsheep	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	0.78	Seepage	0.50
		Restricted permeability	0.50	Depth to soft bedrock	0.42
Lonna	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
241B:					
Davidell	65	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
Antwerp	20	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
242C:					
Davidell	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Ivanell	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
271E:					
Busby	40	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Blacksheep	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
Twilight	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
277D:					
Busby	55	Somewhat limited		Very limited	
		Slope	0.04	Seepage	1.00
				Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
277D: (cont.)					
Twilight	30	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
		Slope	0.04	Depth to soft bedrock	1.00
				Slope	1.00
278E:					
Busby	45	Somewhat limited		Very limited	
		Slope	0.04	Seepage	1.00
				Slope	1.00
Yetull	35	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.04	Slope	1.00
293E:					
Cambeth	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Kirby	20	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
		Content of large stones	0.65	Content of large stones	0.68
296F:					
Cambeth	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Rock outcrop	20	Not rated		Not rated	
297C:					
Cambeth	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
297C: (cont.)					
Megonot	40	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67
297D:					
Cambeth	45	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
				Seepage	0.50
Megonot	40	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63		
297E:					
Cambeth	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
311A:					
Ryell	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50		
341D:					
Tally	50	Not limited		Very limited	
				Seepage	1.00
				Slope	1.00
Vebar	40	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
				Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
342C:					
Tally	50	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
Shambo	40	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
352D:					
Chinook	50	Not limited		Very limited	
				Seepage	1.00
				Slope	1.00
Twilight	40	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
				Slope	1.00
353C:					
Chinook	50	Not limited		Very limited	
				Seepage	1.00
				Slope	0.33
Kremlin	40	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.33
355C:					
Chinook	35	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
Twilight	30	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
				Slope	0.67
Eapa	20	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.33
357D:					
Chinook	35	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Lihen	30	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
357D: (cont.)					
Twilight	20	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
				Depth to soft bedrock	1.00
361E:					
Doney	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Broadus	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
381F:					
Delpoint	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Armells	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
383F:					
Delpoint	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
385E:					
Delpoint	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Yamacall	30	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
386F:					
Cabbart	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Rock outcrop	35	Not rated		Not rated	
Delpoint	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
387D:					
Delpoint	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50
Busby	30	Somewhat limited		Very limited	
		Slope	0.16	Seepage	1.00
				Slope	1.00
Blacksheep	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
				Seepage	1.00
388D:					
Delpoint	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
388D: (cont.)					
Kobase	25	Very limited Restricted permeability	1.00	Somewhat limited Slope	0.91
Yawdim	15	Very limited Depth to bedrock Slope	1.00 0.16	Very limited Depth to soft bedrock Slope	1.00 1.00
421A:					
Gerdrum	45	Very limited Restricted permeability	1.00	Not limited	
Creed	40	Very limited Restricted permeability	1.00	Not limited	
421C:					
Gerdrum	45	Very limited Restricted permeability	1.00	Somewhat limited Slope	0.67
Creed	40	Very limited Restricted permeability	1.00	Somewhat limited Slope	0.67
421D:					
Gerdrum	45	Very limited Restricted permeability Slope	1.00 0.16	Very limited Slope	1.00
Creed	40	Very limited Restricted permeability Slope	1.00 0.16	Very limited Slope	1.00
432D:					
Slickspots	50	Not rated		Not rated	
Abor	40	Very limited Depth to bedrock	1.00	Very limited Depth to soft bedrock Slope	1.00 1.00
451A:					
Glendive	85	Very limited Flooding	1.00	Very limited Flooding Seepage	1.00 1.00
452A:					
Glendive	85	Somewhat limited Flooding	0.40	Very limited Seepage Flooding	1.00 0.40

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
453A:					
Glendive	50	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
Havre	40	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
456A:					
Havre	45	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
Glendive	45	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
461A:					
Hanly	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Filtering capacity	1.00	Seepage	1.00
462A:					
Hanly	50	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
Glendive	40	Not limited		Very limited	
				Seepage	1.00
471A:					
Harlake	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00		
473A:					
Lallie	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00		
481A:					
Havre	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
483A:					
Havre	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
486A:					
Glendive	50	Not limited		Very limited	
				Seepage	1.00
Havre	40	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
487A:					
Havre	55	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
Harlake	35	Very limited		Not limited	
		Restricted permeability	1.00		
488A:					
Havre	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
489A:					
Spinekop	85	Very limited		Not limited	
		Restricted permeability	1.00		
491A:					
Ismay	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00	Depth to saturated zone	0.71
		Depth to saturated zone	1.00		
501C:					
Kremlin	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Delpoint	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50
511C:					
Shambo	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Doney	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
531D:					
Kobase	85	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.04		
532C:					
Kobase	60	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Gerdrum	30	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
534C:					
Marias	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
542E:					
Lihen	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Yetull	25	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
552D:					
Neldore	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.04	Slope	1.00
Abor	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.04	Slope	1.00
Marvan	25	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
554E:					
Delpoint	60	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Weingart	25	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
561C:					
Cherry	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Cambert	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
562D:					
Cherry	40	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		
Cambert	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
573D:					
Lonna	30	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cambeth	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
				Seepage	0.50
Yamacall	30	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
574E:					
Lonna	40	Somewhat limited		Very limited	
		Slope	0.96	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cambeth	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
574E: (cont.)					
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
575C:					
Lonna	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Cambeth	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50
576A:					
Lonna	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
576C:					
Lonna	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
577D:					
Lonna	40	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.04	Seepage	0.50
Cambeth	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.04	Seepage	0.50
Cabbart	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.04	Slope	1.00
				Seepage	0.50
581C:					
Ivanell	50	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
Cabbart	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
602C:					
Bonfri	85	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
603D:					
Busby	85	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
604E:					
Busby	35	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
Delpoint	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Yawdim	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
605D:					
Cabbart	50	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
Cambeth	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
				Seepage	0.50
607C:					
Cambeth	60	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
608C:					
Chinook	85	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
612F:					
Kirby	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.46	Content of large stones	0.14
Blacksheep	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock outcrop	15	Not rated		Not rated	
613C:					
Kremlin	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Cabbart	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
615C:					
Yamacall	70	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Havre	20	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.09
621B:					
Marvan	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
Vanda	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
631F:					
Bitton	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
631F: (cont.)					
Ringling	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.51	Content of large stones	0.05
641D:					
Pinehill	60	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.04		
Absher	30	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
650F:					
Armells	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Delpoint	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
651C:					
Busby	35	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.67
Twilight	30	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
				Slope	0.67
Blacksheep	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.67
652C:					
Chinook	85	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
				Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
653B:					
Davidell	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
654B:					
Eapa	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.01
656A:					
Gerdrum	85	Very limited		Not limited	
		Restricted permeability	1.00		
657C:					
Gerdrum	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
658C:					
Gerdrum	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Marvan	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
659A:					
Glendive	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
660A:					
Hanly	50	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Filtering capacity	1.00	Seepage	1.00
Glendive	40	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
661A:					
Havre	85	Very limited		Very limited	
		Flooding	1.00	Ponding	1.00
		Ponding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
662F:					
Neldore	50	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
662F: (cont.)					
Abor	30	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00		
663F:					
Neldore	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Abor	25	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00		
Rock outcrop	15	Not rated		Not rated	
664F:					
Neldore	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock outcrop	30	Not rated		Not rated	
665F:					
Tinsley	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Cabbart	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
666C:					
Neldore	50	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
Volborg	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.09
667E:					
Weingart	55	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.91

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
667E: (cont.)					
Neldore	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
668A:					
Zatoville	90	Very limited		Somewhat limited	
		Restricted permeability	1.00	Depth to saturated zone	0.71
		Depth to saturated zone	1.00		
681A:					
Rivra	45	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Rivra	35	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
691F:					
Rock outcrop	35	Not rated		Not rated	
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Kirby	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.63	Content of large stones	0.61
701E:					
Lamedeer	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Broadus	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
701E: (cont.)					
Ringling	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.34		
702F:					
Lamedeer	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Ringling	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.34		
731E:					
Cambert	40	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Ringling	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.34		
732C:					
Cambert	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
732C: (cont.)					
Widen	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
732D:					
Cambert	45	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Widen	40	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
733E:					
Cambert	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Widen	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
734E:					
Cambert	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cherry	30	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.96		
Cabba	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
742E:					
Neldore	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Abor	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
781A:					
Vanda	85	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00		
797E:					
Yamacall	45	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Busby	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
				Seepage	1.00
Blacksheep	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
798C:					
Yamacall	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Delpoint	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
				Seepage	0.50
799E:					
Yamacall	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Birney	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
799E: (cont.)					
Delpoint	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
802E:					
Shambo	35	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Lisk	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
				Seepage	1.00
Dast	20	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
811C:					
Creed	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Pinehill	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
813C:					
Creed	50	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Absher	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
831F:					
Doney	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Wayden	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
832E:					
Doney	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Macar	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
841F:					
Birney	50	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Armells	15	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
842F:					
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock outcrop	30	Not rated		Not rated	
843E:					
Delpoint	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
843E: (cont.)					
Delpoint	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
844A:					
Havre	35	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	0.50	Seepage	0.50
Harlake	30	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00		
Glendive	25	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
845C:					
Ivanell	40	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67
Davidell	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
846F:					
Blacksheep	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
Delpoint	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Rock outcrop	30	Not rated		Not rated	
847E:					
Busby	40	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
847E: (cont.)					
Yetull	30	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
Rock outcrop	15	Not rated		Not rated	
862E:					
Doney	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Lamedeer	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
862F:					
Doney	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Lamedeer	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
871C:					
Morton	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Farland	40	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
891D:					
Yamacall	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.91
				Seepage	0.50
Birney	20	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Delpoint	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50
892D:					
Yamacall	40	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Delpoint	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50
Cabbart	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
				Seepage	0.50
901A:					
Sonnett	50	Very limited		Not limited	
		Restricted permeability	1.00		
Sonnett	35	Very limited		Not limited	
		Restricted permeability	1.00		
901C:					
Sonnett	45	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Sonnett	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
902C:					
Sonnett	60	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.33
Slickspots	25	Not rated		Not rated	

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
910B:					
Antwerp	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.01
911F:					
Armells	50	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
912F:					
Armells	50	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Kirby	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.54	Content of large stones	0.32
913D:					
Birney	35	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.04	Seepage	0.50
Cooers	30	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Kirby	20	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.27	Slope	1.00
		Slope	0.16		
914D:					
Bullock	55	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67
Ralore	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
916E:					
Busby	35	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Twilight	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
Blacksheep	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
917D:					
Cambeth	55	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
918E:					
Cambeth	45	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
				Seepage	0.50
Cabbart	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
919F:					
Delpoint	50	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
921F:					
Twilight	45	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
Blacksheep	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
Busby	20	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
931C:					
Ralph	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Brushton	40	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
940E:					
Delpoint	35	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Yamacall	30	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
941C:					
Gerdrum	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67
Kobase	40	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
942A:					
Harlake	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00		
943F:					
Kirby	40	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Content of large stones	0.72	Content of large stones	0.88
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock outcrop	20	Not rated		Not rated	
944E:					
Kobase	45	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
945A:					
Lonna	70	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
Alona	20	Very limited		Not limited	
		Restricted permeability	1.00		
945C:					
Lonna	65	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Alona	20	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
946A:					
Lonna	70	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
Antwerp	20	Very limited		Not limited	
		Restricted permeability	1.00		
946C:					
Lonna	65	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Antwerp	20	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
947E:					
Lonna	50	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Yawdim	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
948B:					
Rominell	85	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
949E:					
Tinsley	85	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
				Content of large stones	0.02
951C:					
Vanstel	85	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
952D:					
Yamacall	50	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
952D: (cont.)					
Birney	35	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
953E:					
Yamacall	45	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Birney	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
954C:					
Yamacall	50	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
				Slope	0.67
Busby	40	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
954D:					
Yamacall	50	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Busby	40	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
955D:					
Yamacall	50	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
		Slope	0.16	Slope	1.00
Delpoint	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
956F:					
Yawdim	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Cabbart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Kobase	25	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	1.00		
957E:					
Abor	55	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
Cabbart	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Delpoint	15	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
				Seepage	0.50
958D:					
Abor	50	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.16		
Delpoint	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Kobase	15	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.91
959D:					
Abor	35	Very limited		Very limited	
		Restricted permeability	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
959D: (cont.)					
Weingart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
Neldore	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.04	Slope	1.00
960A:					
Busby	85	Not limited		Very limited	
				Seepage	1.00
961C:					
Busby	50	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.33
Yetull	35	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.33
962F:					
Cambert	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Bigsheep	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Golva	20	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
963E:					
Cambeth	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
963E: (cont.)					
Lonna	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
964E:					
Cambeth	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.16	Seepage	0.50
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.16	Slope	1.00
965C:					
Chinook	50	Not limited		Very limited	
				Seepage	1.00
				Slope	0.67
Twilight	40	Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00
				Slope	0.67
966D:					
Chinook	40	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Twilight	25	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
				Depth to soft bedrock	1.00
Blacksheep	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
				Seepage	1.00
967E:					
Delpoint	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
967E: (cont.)					
Cabbart	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
Yawdim	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
968E:					
Delpoint	35	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Yamacall	30	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabbart	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	0.50
969C:					
Eapa	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Delpoint	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
971E:					
Lisk	40	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Cohagen	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Dast	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Seepage	1.00
				Depth to soft bedrock	1.00

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
981C:					
Macar	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Doney	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
982D:					
Macar	40	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Doney	30	Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00
		Slope	0.63	Depth to soft bedrock	1.00
		Restricted permeability	0.50	Seepage	0.50
Cabba	15	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
				Seepage	0.50
983E:					
Macar	45	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
		Restricted permeability	0.50	Seepage	0.50
Lisk	25	Somewhat limited		Very limited	
		Slope	0.63	Slope	1.00
				Seepage	1.00
Cohagen	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
990E:					
Lihen	45	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
Tinsley	35	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
				Content of large stones	0.01

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
991F:					
Neldore	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock outcrop	30	Not rated		Not rated	
Abor	20	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00		
992C:					
Parshall	85	Not limited		Very limited	
				Seepage	1.00
				Slope	0.33
993C:					
Pinehill	45	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
Weingart	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.09
Gerdrum	15	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.09
994E:					
Cabbart	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.96	Slope	1.00
				Seepage	0.50
Bullock	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.67
995C:					
Yamacall	50	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.67
				Seepage	0.50
Gerdrum	35	Very limited		Somewhat limited	
		Restricted permeability	1.00	Slope	0.67

Sanitary Facilities - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
996A:					
Yetull	50	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
Busby	40	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
4621A:					
Hanly	50	Very limited Flooding Filtering capacity	1.00 1.00	Very limited Flooding Seepage	1.00 1.00
Glendive	40	Very limited Flooding	1.00	Very limited Flooding Seepage	1.00 1.00
4861A:					
Glendive	50	Not limited		Very limited Seepage	1.00
Havre	40	Somewhat limited Restricted permeability	0.50	Somewhat limited Seepage	0.50
4871A:					
Havre	55	Very limited Flooding Restricted permeability	1.00 0.50	Very limited Flooding Seepage	1.00 0.50
Harlake	35	Very limited Flooding Restricted permeability	1.00 1.00	Very limited Flooding	1.00
4881A:					
Havre	85	Somewhat limited Restricted permeability	0.50	Somewhat limited Seepage	0.50
DA:					
Denied Access	100	Not rated		Not rated	
M-W:					
Miscellaneous Water	100	Not rated		Not rated	
W:					
Water	100	Not rated		Not rated	

Sanitary Facilities - Table 2

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
12E:							
Wabek	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Slope	1.00	Slope	1.00	Gravel content	1.00
						Slope	1.00
14B:							
Alona	85	Not limited		Not limited		Not limited	
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Havre	25	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
19C:							
Archin	85	Not limited		Not limited		Not limited	
21C:							
Benz	85	Not limited		Not limited		Not limited	
24B:							
Davidell	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
25A:							
Marias	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
27A:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
27C:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
30C:							
Yamacall	50	Not limited		Not limited		Not limited	
Havre	35	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
31A:							
Ryell	85	Very limited		Somewhat limited		Very limited	
		Too Sandy	1.00	Flooding	0.40	Seepage	1.00
		Flooding	0.40			Gravel content	0.54
						Too Sandy	0.50
33A:							
Chanta	85	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
						Gravel content	0.42
34C:							
Tally	85	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
35C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
37B:							
Degrand	85	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
39A:							
Ethridge	85	Not limited		Not limited		Not limited	
39C:							
Ethridge	85	Not limited		Not limited		Not limited	
40A:							
Savage	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
40C:							
Savage	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
41A:							
Eapa	85	Not limited		Not limited		Not limited	
41C:							
Eapa	85	Not limited		Not limited		Not limited	
43F:							
Abor	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
						Hard to compact	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
43F: (cont.)							
Lilsheep	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Slope	1.00
		Slope	1.00	Depth to bedrock	0.42	Gravel content	0.98
						Depth to bedrock	0.42
44A:							
Farnuf	85	Not limited		Not limited		Not limited	
44C:							
Farnuf	85	Not limited		Not limited		Not limited	
45A:							
Glendive	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
46A:							
Hanly	85	Not limited		Not limited		Very limited	
						Seepage	1.00
47A:							
Harlake	85	Not limited		Not limited		Very limited	
						Hard to compact	1.00
50C:							
Kremlin	85	Not limited		Not limited		Not limited	
51C:							
Shambo	85	Not limited		Not limited		Not limited	
52A:							
Sagedale	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
52C:							
Sagedale	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
53A:							
Kobase	85	Not limited		Not limited		Not limited	
53C:							
Kobase	85	Not limited		Not limited		Not limited	
53D:							
Kobase	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
56A:							
Cherry	85	Not limited		Not limited		Not limited	
56C:							
Cherry	85	Not limited		Not limited		Not limited	
57A:							
Lonna	85	Not limited		Not limited		Not limited	

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
57C:							
Lonna	85	Not limited		Not limited		Not limited	
59C:							
Farland	85	Not limited		Not limited		Not limited	
60A:							
Golva	85	Not limited		Not limited		Not limited	
60C:							
Golva	85	Not limited		Not limited		Not limited	
61A:							
Marias	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
62A:							
Marvan	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
62C:							
Marvan	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
64A:							
Pinehill	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
64C:							
Pinehill	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
64D:							
Pinehill	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Too clayey	0.50			Too clayey	0.50
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
Ivanell	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Too clayey	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
76B:							
Vanstel	85	Not limited		Not limited		Not limited	
76C:							
Vanstel	85	Not limited		Not limited		Not limited	
77A:							
Havre	50	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
Bigsandy	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
79A:							
Yamacall	85	Not limited		Not limited		Not limited	
79C:							
Yamacall	85	Not limited		Not limited		Not limited	
79D:							
Yamacall	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
81A:							
Creed	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
81C:							
Creed	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
85C:							
Foreleft	85	Not limited		Not limited		Not limited	
88A:							
Floweree	85	Not limited		Not limited		Not limited	
88C:							
Floweree	85	Not limited		Not limited		Not limited	
90A:							
Sonnett	85	Not limited		Not limited		Not limited	
90C:							
Sonnett	85	Not limited		Not limited		Not limited	
93B:							
Brushton	85	Not limited		Not limited		Not limited	
98A:							
Macar	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
98C:							
Macar	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
112C:							
Absher	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Salinity	1.00			Salinity	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
121D:							
Kremlin	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.16	Slope	0.16	Slope	0.16
Tinsley	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.16	Seepage	1.00
		Slope	0.16			Gravel content	0.95
						Slope	0.16
Degrand	25	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
122D:							
Tinsley	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.16	Seepage	1.00
		Slope	0.16			Gravel content	0.93
						Slope	0.16
Chanta	30	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
						Gravel content	0.42
123F:							
Tinsley	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
						Gravel content	0.95
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
151F:							
Armells	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
151F: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Kirby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Seepage	1.00
						Gravel content	1.00
191C:							
Archin	50	Not limited		Not limited		Not limited	
Gerdrum	35	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
192C:							
Archin	35	Not limited		Not limited		Not limited	
Davidell	30	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
Bullock	20	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
222D:							
Floweree	35	Not limited		Not limited		Not limited	
Cambeth	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Lilsheep	20	Very limited		Somewhat limited		Somewhat limited	
		Depth to bedrock	1.00	Depth to bedrock	0.42	Gravel content	0.88
		Slope	0.16	Slope	0.16	Depth to bedrock	0.42
						Slope	0.16
228F:							
Cambeth	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Lilsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	0.42	Gravel content	0.88
						Depth to bedrock	0.42
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
241B:							
Davidell	65	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
Antwerp	20	Not limited		Not limited		Not limited	

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
242C:							
Davidell	40	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
Ivanell	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Too clayey	0.50
271E:							
Busby	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
Blacksheep	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
Twilight	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
277D:							
Busby	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Slope	0.04	Seepage	0.50
						Slope	0.04
Twilight	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Seepage	0.50
						Slope	0.04
278E:							
Busby	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Slope	0.04	Seepage	0.50
						Slope	0.04
Yetull	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00	Slope	0.04	Too Sandy	0.50
		Slope	0.04			Slope	0.04
293E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Seepage	1.00
		Content of large stones	0.85			Slope	1.00
						Gravel content	0.98
						Content of large stones	0.85

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
296F:							
Cambeth	35	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
Cabbart	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
Megonot	40	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
297D:							
Cambeth	45	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
Megonot	40	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
297E:							
Cambeth	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Yawdim	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
311A:							
Ryell	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
						Gravel content	0.36
341D:							
Tally	50	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
Vebar	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
				Seepage	1.00	Seepage	0.50
342C:							
Tally	50	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
342C: (cont.)							
Shambo	40	Not limited		Not limited		Not limited	
352D:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Twilight	40	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
353C:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Kremlin	40	Not limited		Not limited		Not limited	
355C:							
Chinook	35	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Twilight	30	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
Eapa	20	Not limited		Not limited		Not limited	
357D:							
Chinook	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
Lihen	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00	Slope	0.63	Slope	0.63
		Slope	0.63			Too Sandy	0.50
Twilight	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
						Seepage	0.50
361E:							
Doney	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
381F:							
Delpoint	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
381F: (cont.)							
Armells	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
383F:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Yawdim	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
385E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
387D:							
Delpoint	45	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Busby	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.16	Slope	0.16	Seepage	0.50
						Slope	0.16
Blacksheep	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
						Seepage	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
388D:							
Delpoint	45	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Kobase	25	Not limited		Not limited		Not limited	
Yawdim	15	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Hard to compact	1.00
						Slope	0.16
421A:							
Gerdrum	45	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
Creed	40	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
421C:							
Gerdrum	45	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
Creed	40	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
421D:							
Gerdrum	45	Very limited		Somewhat limited		Very limited	
		Sodium content	1.00	Slope	0.16	Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
		Slope	0.16			Too clayey	0.50
						Slope	0.16
Creed	40	Very limited		Somewhat limited		Very limited	
		Sodium content	1.00	Slope	0.16	Sodium content	1.00
		Slope	0.16			Slope	0.16
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
						Hard to compact	1.00
451A:							
Glendive	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
452A:							
Glendive	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Flooding	0.40	Flooding	0.40	Seepage	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
453A:							
Glendive	50	Very limited Flooding	1.00	Very limited Flooding	1.00	Somewhat limited Seepage	0.50
Havre	40	Very limited Flooding	1.00	Very limited Flooding	1.00	Not limited	
456A:							
Havre	45	Very limited Flooding	1.00	Very limited Flooding	1.00	Not limited	
Glendive	45	Very limited Flooding	1.00	Very limited Flooding	1.00	Somewhat limited Seepage	0.50
461A:							
Hanly	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Seepage	1.00
462A:							
Hanly	50	Not limited		Not limited		Very limited Seepage	1.00
Glendive	40	Not limited		Not limited		Somewhat limited Seepage	0.50
471A:							
Harlake	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Hard to compact	1.00
473A:							
Lallie	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Hard to compact	1.00
		Too clayey	0.50			Too clayey	0.50
481A:							
Havre	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Not limited	
483A:							
Havre	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Not limited	
486A:							
Glendive	50	Not limited		Not limited		Somewhat limited Seepage	0.50
Havre	40	Not limited		Not limited		Not limited	
487A:							
Havre	55	Not limited		Not limited		Not limited	
Harlake	35	Not limited		Not limited		Very limited Hard to compact	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
488A:							
Havre	85	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
489A:							
Spinekop	85	Not limited		Not limited		Not limited	
491A:							
Ismay	85	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
501C:							
Kremlin	50	Not limited		Not limited		Not limited	
Delpoint	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
511C:							
Shambo	50	Not limited		Not limited		Not limited	
Doney	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
531D:							
Kobase	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Slope	0.04	Slope	0.04
532C:							
Kobase	60	Not limited		Not limited		Not limited	
Gerdrum	30	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
534C:							
Marias	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
542E:							
Lihen	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
Yetull	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
552D:							
Neldore	35	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Hard to compact	1.00
						Slope	0.04

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
552D: (cont.)							
Abor	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Hard to compact	1.00
						Slope	0.04
Marvan	25	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
554E:							
Delpoint	60	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Weingart	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
561C:							
Cherry	50	Not limited		Not limited		Not limited	
Cambert	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
562D:							
Cherry	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cambert	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Slope	0.63
Cabba	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Slope	0.63
573D:							
Lonna	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cambeth	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
574E:							
Lonna	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.96	Slope	0.96	Slope	0.96
Cambeth	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
574E: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
575C:							
Lonna	50	Not limited		Not limited		Not limited	
Cambeth	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
576A:							
Lonna	85	Not limited		Not limited		Not limited	
576C:							
Lonna	85	Not limited		Not limited		Not limited	
577D:							
Lonna	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Slope	0.04	Slope	0.04
Cambeth	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Slope	0.04
Cabbart	15	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Slope	0.04
581C:							
Ivanell	50	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Too clayey	0.50
Cabbart	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
602C:							
Bonfri	85	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Too clayey	0.50
603D:							
Busby	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
604E:							
Busby	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
Delpoint	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Yawdim	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
605D:							
Cabbart	50	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
Cambeth	35	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
607C:							
Cambeth	60	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	25	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
608C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.76			Seepage	1.00
						Gravel content	0.98
						Content of large stones	0.76
Blacksheep	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Not limited		Not limited		Not limited	
Cabbart	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
615C:							
Yamacall	70	Not limited		Not limited		Not limited	
Havre	20	Not limited		Not limited		Not limited	
621B:							
Marvan	50	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
Vanda	35	Not limited		Not limited		Very limited	
						Hard to compact	1.00
631F:							
Bitton	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
631F: (cont.)							
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
Ringling	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Content of large stones	1.00			Content of large stones	1.00
						Gravel content	0.23
641D:							
Pinehill	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Slope	0.04
Absher	30	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Salinity	1.00			Salinity	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
650F:							
Armells	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
651C:							
Busby	35	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Twilight	30	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
Blacksheep	25	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
652C:							
Chinook	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
653B:							
Davidell	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
654B:							
Eapa	85	Not limited		Not limited		Not limited	

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
656A:							
Gerdrum	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
657C:							
Gerdrum	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
658C:							
Gerdrum	50	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
Marvan	40	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
659A:							
Glendive	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Too Sandy	1.00			Too Sandy	0.50
660A:							
Hanly	50	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
Glendive	40	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Too Sandy	1.00			Too Sandy	0.50
661A:							
Havre	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Depth to saturated zone	1.00		
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
Abor	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
						Hard to compact	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
Abor	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
						Gravel content	0.95
Cabbart	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
666C:							
Neldore	50	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Hard to compact	1.00
Volborg	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Hard to compact	1.00
667E:							
Weingart	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
Neldore	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
668A:							
Zatoville	90	Very limited		Very limited		Not limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
681A:							
Rivra	45	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Gravel content	1.00
		Too Sandy	1.00			Depth to saturated zone	0.95
						Too Sandy	0.50
Rivra	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Gravel content	1.00
		Too Sandy	1.00			Depth to saturated zone	0.95
						Too Sandy	0.50
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Kirby	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.84			Seepage	1.00
						Gravel content	1.00
						Content of large stones	0.84
701E:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.94
Broadus	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Content of large stones	1.00			Content of large stones	1.00
						Gravel content	0.13
702F:							
Lamedeer	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.94
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
702F: (cont.)							
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Content of large stones	1.00			Content of large stones	1.00
						Gravel content	0.13
731E:							
Cambert	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
Ringling	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Content of large stones	1.00			Content of large stones	1.00
						Gravel content	0.13
732C:							
Cambert	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Widen	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
732D:							
Cambert	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Slope	0.63
Widen	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
733E:							
Cambert	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Cabba	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too clayey	0.50			Too clayey	0.50
Widen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
734E:							
Cambert	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
Cherry	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.96	Slope	0.96	Slope	0.96
Cabba	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
742E:							
Neldore	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
Abor	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Hard to compact	1.00
						Slope	0.16
781A:							
Vanda	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Hard to compact	1.00
						Depth to saturated zone	0.68
797E:							
Yamacall	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Busby	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Seepage	0.50
Blacksheep	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
798C:							
Yamacall	50	Not limited		Not limited		Not limited	
Delpoint	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
799E:							
Yamacall	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Birney	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
799E: (cont.)							
Delpoint	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
802E:							
Shambo	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Lisk	30	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Slope	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00	Seepage	0.50
		Seepage	1.00			Too Sandy	0.50
Dast	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Seepage	1.00	Seepage	0.50
811C:							
Creed	50	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
Pinehill	35	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
813C:							
Creed	50	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
Absher	35	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Salinity	1.00			Salinity	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
831F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Cabba	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
Wayden	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
832E:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Macar	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50			Too clayey	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
832E: (cont.)							
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
841F:							
Birney	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
Armells	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
Cabbart	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Delpoint	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
844A:							
Havre	35	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
Harlake	30	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Hard to compact	1.00
Glendive	25	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
845C:							
Ivanell	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Too clayey	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
845C: (cont.)							
Davidell	40	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
846F:							
Blacksheep	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Seepage	0.50
Delpoint	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Seepage	0.50
Yetull	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00	Slope	0.63	Slope	0.63
		Slope	0.63			Too Sandy	0.50
Rock outcrop	15	Not rated		Not rated		Not rated	
862E:							
Doney	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.94
Cabba	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
862F:							
Doney	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
Lamedeer	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.94
Cabba	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
871C:							
Morton	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
871C: (cont.)							
Farland	40	Not limited		Not limited		Not limited	
891D:							
Yamacall	50	Not limited		Not limited		Not limited	
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Gravel content	1.00
						Slope	0.16
Delpoint	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
892D:							
Yamacall	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.16	Slope	0.16	Slope	0.16
Delpoint	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Cabbart	15	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
901A:							
Sonnett	50	Not limited		Not limited		Not limited	
Sonnett	35	Not limited		Not limited		Not limited	
901C:							
Sonnett	45	Not limited		Not limited		Not limited	
Sonnett	40	Not limited		Not limited		Not limited	
902C:							
Sonnett	60	Not limited		Not limited		Not limited	
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Not limited		Not limited		Not limited	
911F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
912F:							
Armells	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
912F: (cont.)							
Kirby	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.80			Seepage	1.00
						Gravel content	1.00
						Content of large stones	0.80
913D:							
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Gravel content	1.00
						Slope	0.04
Cooers	30	Not limited		Not limited		Not limited	
Kirby	20	Somewhat limited		Somewhat limited		Very limited	
		Content of large stones	0.66	Slope	0.16	Seepage	1.00
		Slope	0.16			Gravel content	0.99
						Content of large stones	0.66
						Slope	0.16
914D:							
Bullock	55	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
Ralore	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50	Slope	0.16	Too clayey	0.50
		Slope	0.16			Slope	0.16
916E:							
Busby	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
Twilight	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
Blacksheep	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
917D:							
Cambeth	55	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Cabbart	30	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
918E:							
Cambeth	45	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
Cabbart	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
919F:							
Delpoint	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
921F:							
Twilight	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
Blacksheep	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
Busby	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
931C:							
Ralph	45	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
Brushton	40	Not limited		Not limited		Not limited	
940E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
941C:							
Gerdrum	40	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
Kobase	40	Not limited		Not limited		Not limited	

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
942A:							
Harlake	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Hard to compact	1.00
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.88			Seepage	1.00
						Gravel content	1.00
						Content of large stones	0.88
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Yawdim	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
945A:							
Lonna	70	Not limited		Not limited		Not limited	
Alona	20	Not limited		Not limited		Not limited	
945C:							
Lonna	65	Not limited		Not limited		Not limited	
Alona	20	Not limited		Not limited		Not limited	
946A:							
Lonna	70	Not limited		Not limited		Not limited	
Antwerp	20	Not limited		Not limited		Not limited	
946C:							
Lonna	65	Not limited		Not limited		Not limited	
Antwerp	20	Not limited		Not limited		Not limited	
947E:							
Lonna	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
947E: (cont.)							
Yawdim	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
948B:							
Rominell	85	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Too clayey	0.50
949E:							
Tinsley	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
						Gravel content	0.94
951C:							
Vanstel	85	Not limited		Not limited		Not limited	
952D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Gravel content	1.00
						Slope	0.63
953E:							
Yamacall	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Birney	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
954C:							
Yamacall	50	Not limited		Not limited		Not limited	
Busby	40	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
954D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Busby	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
955D:							
Yamacall	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.16	Slope	0.16	Slope	0.16

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
955D: (cont.)							
Delpoint	35	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Cabbart	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Kobase	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
957E:							
Abor	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
Cabbart	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Delpoint	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
958D:							
Abor	50	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Hard to compact	1.00
						Slope	0.16
Delpoint	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Kobase	15	Not limited		Not limited		Not limited	
959D:							
Abor	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
						Hard to compact	1.00
Weingart	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
959D: (cont.)							
Neldore	25	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.04	Depth to bedrock	1.00
		Slope	0.04			Hard to compact	1.00
						Slope	0.04
960A:							
Busby	85	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
961C:							
Busby	50	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Yetull	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
962F:							
Cambert	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
Bigsheep	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Gravel content	1.00
						Slope	1.00
Golva	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
963E:							
Cambeth	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00			Depth to bedrock	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
Lonna	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
964E:							
Cambeth	40	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Slope	0.16
Cabbart	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Yawdim	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.16	Depth to bedrock	1.00
		Slope	0.16			Hard to compact	1.00
						Slope	0.16

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
965C:							
Chinook	50	Not limited		Not limited		Somewhat limited	
						Seepage	0.50
Twilight	40	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
						Seepage	0.50
966D:							
Chinook	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
						Seepage	0.50
Twilight	25	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
						Seepage	0.50
Blacksheep	20	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.63	Depth to bedrock	1.00
		Slope	0.63			Slope	0.63
						Seepage	0.50
967E:							
Delpoint	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Cabbart	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Yawdim	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Hard to compact	1.00
968E:							
Delpoint	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
Yamacall	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
Cabbart	20	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
969C:							
Eapa	50	Not limited		Not limited		Not limited	
Delpoint	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
971E:							
Lisk	40	Very limited		Very limited		Somewhat limited	
		Too Sandy	1.00	Seepage	1.00	Slope	0.63
		Seepage	1.00	Slope	0.63	Seepage	0.50
		Slope	0.63			Too Sandy	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
971E: (cont.)							
Cohagen	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
						Seepage	0.21
Dast	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
				Seepage	1.00	Seepage	0.50
981C:							
Macar	50	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
Doney	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
982D:							
Macar	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Too clayey	0.50			Too clayey	0.50
Doney	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Slope	0.63
Cabba	15	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Slope	0.63
983E:							
Macar	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Too clayey	0.50			Too clayey	0.50
Lisk	25	Very limited		Very limited		Somewhat limited	
		Too Sandy	1.00	Seepage	1.00	Slope	0.63
		Seepage	1.00	Slope	0.63	Seepage	0.50
		Slope	0.63			Too Sandy	0.50
Cohagen	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
						Seepage	0.21
990E:							
Lihen	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00	Slope	1.00	Slope	1.00
		Slope	1.00			Too Sandy	0.50
Tinsley	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
						Gravel content	0.89

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
991F:							
Neldore	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00			Slope	1.00
						Hard to compact	1.00
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
						Hard to compact	1.00
992C:							
Parshall	85	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
993C:							
Pinehill	45	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
Weingart	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to bedrock	1.00
		Sodium content	1.00			Sodium content	1.00
						Hard to compact	1.00
Gerdrum	15	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
994E:							
Cabbart	45	Very limited		Somewhat limited		Very limited	
		Depth to bedrock	1.00	Slope	0.96	Depth to bedrock	1.00
		Slope	0.96			Slope	0.96
Bullock	35	Very limited		Not limited		Very limited	
		Depth to bedrock	1.00			Depth to bedrock	1.00
995C:							
Yamacall	50	Not limited		Not limited		Not limited	
Gerdrum	35	Very limited		Not limited		Very limited	
		Sodium content	1.00			Sodium content	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
996A:							
Yetull	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
Busby	40	Not limited		Not limited		Somewhat limited	
						Seepage	0.50

Sanitary Facilities - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
4621A:							
Hanly	50	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Seepage	1.00
Glendive	40	Very limited Flooding	1.00	Very limited Flooding	1.00	Somewhat limited Seepage	0.50
4861A:							
Glendive	50	Not limited		Not limited		Somewhat limited Seepage	0.50
Havre	40	Not limited		Not limited		Not limited	
4871A:							
Havre	55	Very limited Flooding	1.00	Very limited Flooding	1.00	Not limited	
Harlake	35	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Hard to compact	1.00
4881A:							
Havre	85	Not limited		Not limited		Not limited	
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Construction Materials - Table 1

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
3F:					
Cabbart	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	
Yawdim	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
12E:					
Wabek	85	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.12	Thickest layer	0.00
14B:					
Alona	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
17F:					
Badland	90	Not rated		Not rated	
18E:					
Cabbart	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Havre	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
19C:					
Archin	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
21C:					
Benz	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
24B:					
Davidell	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
25A:					
Marias	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
27A:					
Busby	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
27C:					
Busby	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
30C:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Havre	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
31A:					
Ryell	85	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.31	Thickest layer	0.00
33A:					
Chanta	85	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
34C:					
Tally	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.07
35C:					
Chinook	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
37B:					
Degrand	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.12
39A:					
Ethridge	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
39C:					
Ethridge	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
40A:					
Savage	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
40C:					
Savage	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
41A:					
Eapa	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
41C:					
Eapa	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
43F:					
Abor	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lilsheep	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
44A:					
Farnuf	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
44C:					
Farnuf	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
45A:					
Glendive	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
46A:					
Hanly	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.50
47A:					
Harlake	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
50C:					
Kremlin	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
51C:					
Shambo	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
52A:					
Sagedale	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
52C:					
Sagedale	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
53A:					
Kobase	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
53C:					
Kobase	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
53D:					
Kobase	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
56A:					
Cherry	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
56C:					
Cherry	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
57A:					
Lonna	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
57C:					
Lonna	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
59C:					
Farland	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
60A:					
Golva	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
60C:					
Golva	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
61A:					
Marias	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
62A:					
Marvan	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
62C:					
Marvan	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
64A:					
Pinehill	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
64C:					
Pinehill	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
64D:					
Pinehill	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
67A:					
Riverwash	90	Not rated		Not rated	
75C:					
Weingart	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ivanell	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
76B:					
Vanstel	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
76C:					
Vanstel	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
77A:					
Havre	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bigsandy	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
79A:					
Yamacall	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
79C:					
Yamacall	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
79D:					
Yamacall	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
81A:					
Creed	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
81C:					
Creed	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
85C:					
Foreleft	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
88A:					
Floweree	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
88C:					
Floweree	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
90A:					
Sonnett	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
90C:					
Sonnett	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
93B:					
Brushton	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
98A:					
Macar	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
98C:					
Macar	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
112C:					
Absher	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
121D:					
Kremlin	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Tinsley	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Degrand	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.12
122D:					
Tinsley	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Chanta	30	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
123F:					
Tinsley	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
151F:					
Armells	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kirby	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
191C:					
Archin	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gerdrum	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
192C:					
Archin	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Davidell	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bullock	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
222D:					
Floweree	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambeth	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lilsheep	20	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
228F:					
Cambeth	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lilsheep	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Lonna	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
241B:					
Davidell	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Antwerp	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
242C:					
Davidell	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ivanell	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
271E:					
Busby	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Blacksheep	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Twilight	20	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
277D:					
Busby	55	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Twilight	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
278E:					
Busby	45	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Yetull	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.22
293E:					
Cambeth	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kirby	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
296F:					
Cambeth	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
296F: (cont.)					
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	20	Not rated		Not rated	
297C:					
Cambeth	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Megonot	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
297D:					
Cambeth	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Megonot	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
297E:					
Cambeth	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
311A:					
Ryell	85	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
341D:					
Tally	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.07
Vebar	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
342C:					
Tally	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.07
Shambo	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
352D:					
Chinook	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Twilight	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
353C:					
Chinook	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Kremlin	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
355C:					
Chinook	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Twilight	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Eapa	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
357D:					
Chinook	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Lihen	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.12
		Thickest layer	0.00	Thickest layer	0.16
Twilight	20	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
361E:					
Doney	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Broadus	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
381F:					
Delpoint	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Armells	30	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
383F:					
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
385E:					
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yamacall	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
386F:					
Cabbart	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	35	Not rated		Not rated	
Delpoint	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
387D:					
Delpoint	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Busby	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Blacksheep	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
388D:					
Delpoint	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kobase	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
421A:					
Gerdrum	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Creed	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
421C:					
Gerdrum	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Creed	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
421D:					
Gerdrum	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Creed	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
432D:					
Slickspots	50	Not rated		Not rated	
Abor	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
451A:					
Glendive	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
452A:					
Glendive	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
453A:					
Glendive	50	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Havre	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
456A:					
Havre	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Glendive	45	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
461A:					
Hanly	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.50
462A:					
Hanly	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.50
Glendive	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.06
471A:					
Harlake	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
473A:					
Lallie	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
481A:					
Havre	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
483A:					
Havre	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
486A:					
Glendive	50	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.06
Havre	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
487A:					
Havre	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Harlake	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
488A:					
Havre	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
489A:					
Spinekop	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
491A:					
Ismay	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
501C:					
Kremlin	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
511C:					
Shambo	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
531D:					
Kobase	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
532C:					
Kobase	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gerdrum	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
534C:					
Marias	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
542E:					
Lihen	60	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.12
		Thickest layer	0.00	Thickest layer	0.16
Yetull	25	Fair		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.12	Bottom layer	0.22
552D:					
Neldore	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Abor	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Marvan	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
554E:					
Delpoint	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weingart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
561C:					
Cherry	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambert	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
562D:					
Cherry	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambert	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
573D:					
Lonna	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
573D: (cont.)					
Cambeth	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yamacall	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
574E:					
Lonna	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambeth	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
575C:					
Lonna	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambeth	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
576A:					
Lonna	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
576C:					
Lonna	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
577D:					
Lonna	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambeth	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
581C:					
Ivanell	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
581C: (cont.)					
Cabbart	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
602C:					
Bonfri	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
603D:					
Busby	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
604E:					
Busby	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.08
Delpoint	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
605D:					
Cabbart	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cambeth	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
607C:					
Cambeth	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
608C:					
Chinook	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
612F:					
Kirby	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Blacksheep	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
612F: (cont.)					
Rock outcrop	15	Not rated		Not rated	
613C:					
Kremlin	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
615C:					
Yamacall	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Havre	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
621B:					
Marvan	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Vanda	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
631F:					
Bitton	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.12	Thickest layer	0.00
Cabba	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ringling	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
641D:					
Pinehill	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Absher	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
650F:					
Armells	40	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
Delpoint	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
650F: (cont.)					
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
651C:					
Busby	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.08
Twilight	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Blacksheep	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
652C:					
Chinook	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
653B:					
Davidell	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
654B:					
Eapa	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
656A:					
Gerdrum	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
657C:					
Gerdrum	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
658C:					
Gerdrum	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Marvan	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
659A:					
Glendive	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
660A:					
Hanly	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
Glendive	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06
661A:					
Havre	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
662F:					
Neldore	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Abor	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
663F:					
Neldore	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Abor	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	15	Not rated		Not rated	
664F:					
Neldore	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	
665F:					
Tinsley	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
666C:					
Neldore	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Volborg	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
667E:					
Weingart	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Neldore	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
668A:					
Zatoville	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
681A:					
Rivra	45	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
Rivra	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
691F:					
Rock outcrop	35	Not rated		Not rated	
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kirby	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
701E:					
Lamedeer	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
Broadus	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ringling	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
702F:					
Lamedeer	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
Cabba	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ringling	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
731E:					
Cambert	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ringling	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
732C:					
Cambert	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Widen	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
732D:					
Cambert	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Widen	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
733E:					
Cambert	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Widen	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
734E:					
Cambert	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cherry	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
742E:					
Neldore	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Abor	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
781A:					
Vanda	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
797E:					
Yamacall	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Busby	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Blacksheep	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
798C:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
799E:					
Yamacall	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Birney	30	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
Delpoint	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
802E:					
Shambo	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lisk	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.16

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
802E: (cont.)					
Dast	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
811C:					
Creed	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Pinehill	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
813C:					
Creed	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Absher	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
831F:					
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Wayden	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
832E:					
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Macar	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
841F:					
Birney	50	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
Armells	15	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
Cabbart	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
842F:					
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	
843E:					
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
844A:					
Havre	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Harlake	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Glendive	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
845C:					
Ivanell	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Davidell	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
846F:					
Blacksheep	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
847E:					
Busby	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.08
Yetull	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.22
Rock outcrop	15	Not rated		Not rated	
862E:					
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lamedeer	30	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
Cabba	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
862F:					
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lamedeer	30	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
Cabba	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
871C:					
Morton	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Farland	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
891D:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Birney	20	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
Delpoint	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
892D:					
Yamacall	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
901A:					
Sonnett	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Sonnett	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
901C:					
Sonnett	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Sonnett	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
902C:					
Sonnett	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Slickspots	25	Not rated		Not rated	
910B:					
Antwerp	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
911F:					
Armells	50	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
912F:					
Armells	50	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
912F: (cont.)					
Kirby	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
913D:					
Birney	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
Cooers	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kirby	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
914D:					
Bullock	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ralore	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
916E:					
Busby	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Twilight	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Blacksheep	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.01
917D:					
Cambeth	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
918E:					
Cambeth	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
919F:					
Delpoint	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
921F:					
Twilight	45	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Blacksheep	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Busby	20	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
931C:					
Ralph	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Brushton	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
940E:					
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yamacall	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
941C:					
Gerdrum	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kobase	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
942A:					
Harlake	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
943F:					
Kirby	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	20	Not rated		Not rated	
944E:					
Kobase	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
945A:					
Lonna	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Alona	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
945C:					
Lonna	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Alona	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
946A:					
Lonna	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Antwerp	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
946C:					
Lonna	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Antwerp	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
947E:					
Lonna	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
948B:					
Rominell	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
949E:					
Tinsley	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
951C:					
Vanstel	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
952D:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Birney	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
953E:					
Yamacall	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Birney	20	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
954C:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Busby	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
954D:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Busby	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
955D:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
956F:					
Yawdim	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kobase	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
957E:					
Abor	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
958D:					
Abor	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kobase	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
959D:					
Abor	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weingart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Neldore	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
960A:					
Busby	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
961C:					
Busby	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.08
Yetull	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.22
962F:					
Cambert	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bigsheep	25	Fair		Poor	
		Thickest layer	0.06	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
Golva	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
963E:					
Cambeth	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lonna	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
964E:					
Cambeth	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
964E: (cont.)					
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
965C:					
Chinook	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Twilight	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
966D:					
Chinook	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Twilight	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Blacksheep	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
967E:					
Delpoint	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yawdim	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
968E:					
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Yamacall	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabbart	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
969C:					
Eapa	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Delpoint	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
971E:					
Lisk	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.16
Cohagen	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Dast	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
981C:					
Macar	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Doney	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
982D:					
Macar	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Doney	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cabba	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
983E:					
Macar	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lisk	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.16
Cohagen	20	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
990E:					
Lihen	45	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.12
		Thickest layer	0.00	Thickest layer	0.16
Tinsley	35	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
991F:					
Neldore	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	
Abor	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
992C:					
Parshall	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.08
993C:					
Pinehill	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weingart	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gerdrum	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
994E:					
Cabbart	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bullock	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
995C:					
Yamacall	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gerdrum	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Construction Materials - Table 1 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of gravel: Rating class	Value	Potential source of sand: Rating class	Value
996A:					
Yetull	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.22
Busby	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.08
4621A:					
Hanly	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.16
		Thickest layer	0.00	Bottom layer	0.50
Glendive	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
4861A:					
Glendive	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Havre	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
4871A:					
Havre	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Harlake	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
4881A:					
Havre	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
DA:					
Denied Access	100	Not rated		Not rated	
M-W:					
Miscellaneous Water	100	Not rated		Not rated	
W:					
Water	100	Not rated		Not rated	

Construction Materials - Table 2

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
3F:							
Cabbart	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Shrink-swell	0.12	Slope	0.00
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
12E:							
Wabek	85	Fair		Fair		Poor	
		Droughty	0.06	Slope	0.18	Slope	0.00
		Low content of organic matter	0.88			Hard to reclaim	0.00
						Rock fragments	0.00
14B:							
Alona	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Too alkaline	0.00			Salinity	0.00
		Low content of organic matter	0.12				
		Salinity	0.50				
		Water erosion	0.90				
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.68	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Havre	25	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
19C:							
Archin	85	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.87	Sodium content	0.00
		Sodium content	0.00			Salinity	0.88
		Low content of organic matter	0.12				
		Water erosion	0.90				
21C:							
Benz	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Too alkaline	0.00			Salinity	0.00
		Low content of organic matter	0.12				
		Salinity	0.50				
		Water erosion	0.90				
24B:							
Davidell	85	Fair		Fair		Fair	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.02
		Low content of organic matter	0.12			Salinity	0.50
		Salinity	0.50				
25A:							
Marias	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
27A:							
Busby	85	Fair		Good		Good	
		Low content of organic matter	0.12				
27C:							
Busby	85	Fair		Good		Good	
		Low content of organic matter	0.12				
30C:							
Yamacall	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Havre	35	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
31A:							
Ryell	85	Fair		Good		Poor	
		Low content of organic matter	0.88			Hard to reclaim	0.00
		Water erosion	0.90				
		Droughty	0.98				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
33A:							
Chanta	85	Fair		Good		Poor	
		Low content of organic matter	0.12			Hard to reclaim	0.00
		Droughty	0.99				
		No water erosion limitation	0.99				
34C:							
Tally	85	Fair		Good		Good	
		Low content of organic matter	0.88				
35C:							
Chinook	85	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97
37B:							
Degrand	85	Fair		Good		Fair	
		Low content of organic matter	0.12			Carbonate content	0.46
		Carbonate content	0.46				
		No water erosion limitation	0.99				
39A:							
Ethridge	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.75	Too Clayey	0.51
		Too clayey	0.88				
		No water erosion limitation	0.99				
39C:							
Ethridge	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.75	Too Clayey	0.51
		Too clayey	0.88				
		No water erosion limitation	0.99				
40A:							
Savage	85	Fair		Fair		Fair	
		Too clayey	0.12	Shrink-swell	0.12	Too Clayey	0.09
		Low content of organic matter	0.88				
40C:							
Savage	85	Fair		Fair		Fair	
		Too clayey	0.12	Shrink-swell	0.12	Too Clayey	0.09
		Low content of organic matter	0.88				
41A:							
Eapa	85	Fair		Fair		Good	
		Low content of organic matter	0.12	Shrink-swell	0.87		

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
41C:							
Eapa	85	Fair		Fair		Good	
		Low content of organic matter	0.12	Shrink-swell	0.87		
43F:							
Abor	50	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.06	Slope	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.83	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
Lilsheep	25	Fair		Poor		Poor	
		Droughty	0.07	Slope	0.00	Rock fragments	0.00
		Carbonate content	0.80	Depth to bedrock	0.58	Slope	0.00
						Carbonate content	0.80
44A:							
Farnuf	85	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Rock fragments	0.97
44C:							
Farnuf	85	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Rock fragments	0.97
45A:							
Glendive	85	Fair		Good		Good	
		Low content of organic matter	0.88				
46A:							
Hanly	85	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Low content of organic matter	0.88				
47A:							
Harlake	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.71	Too Clayey	0.00
		Sodium content	0.78			Sodium content	0.78
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
50C:							
Kremlin	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
51C:							
Shambo	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
52A:							
Sagedale	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.87	Too Clayey	0.00
		Low content of organic matter	0.12			Rock fragments	0.88
		No water erosion limitation	0.99				
52C:							
Sagedale	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.87	Too Clayey	0.00
		Low content of organic matter	0.12			Rock fragments	0.88
		No water erosion limitation	0.99				
53A:							
Kobase	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
53C:							
Kobase	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
53D:							
Kobase	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88			Slope	0.37
		No water erosion limitation	0.99				
56A:							
Cherry	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
56C:							
Cherry	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Water erosion	0.90				
57A:							
Lonna	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.78
		Sodium content	0.78			Salinity	0.88
		Salinity	0.97				
		No water erosion limitation	0.99				
57C:							
Lonna	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.78
		Sodium content	0.78			Salinity	0.88
		Salinity	0.97				
		No water erosion limitation	0.99				
59C:							
Farland	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
60A:							
Golva	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Water erosion	0.90				
60C:							
Golva	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Water erosion	0.90				
61A:							
Marias	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
62A:							
Marvan	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.40			Sodium content	0.40
		Salinity	0.88				
		Low content of organic matter	0.88				
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
62C:							
Marvan	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.40			Sodium content	0.40
		Salinity	0.88				
		Low content of organic matter	0.88				
		Water erosion	0.90				
64A:							
Pinehill	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.66	Too Clayey	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
64C:							
Pinehill	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.66	Too Clayey	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
64D:							
Pinehill	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.66	Too Clayey	0.00
		Low content of organic matter	0.12			Slope	0.37
		Water erosion	0.90				
67A:							
Riverwash	90	Not rated		Not rated		Not rated	
75C:							
Weingart	45	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Too clayey	0.00	Shrink-swell	0.15	Too Clayey	0.00
		Too alkaline	0.00			Salinity	0.00
		Droughty	0.06			Rock fragments	0.03
		Low content of organic matter	0.12			Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Salinity	0.88				
		Water erosion	0.90				
Ivanell	40	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Sodium content	0.00
		Salinity	0.50	Shrink-swell	0.87	Salinity	0.00
		Depth to bedrock	0.58			Too Clayey	0.57
		Sodium content	0.60			Depth to bedrock	0.58
		Droughty	0.72				
		Too clayey	0.98				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
76B:							
Vanstel	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
76C:							
Vanstel	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
77A:							
Havre	50	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
Bigsandy	40	Poor		Fair		Fair	
		Too alkaline	0.00	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.40
		Sodium content	0.40			Salinity	0.50
		Carbonate content	0.80			Carbonate content	0.80
		No water erosion limitation	0.99				
79A:							
Yamacall	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
79C:							
Yamacall	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
79D:							
Yamacall	85	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
81A:							
Creed	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Water erosion	0.68				
		Salinity	0.88				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
81C:							
Creed	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Water erosion	0.68				
		Salinity	0.88				
85C:							
Foreleft	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
88A:							
Floweree	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
88C:							
Floweree	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
90A:							
Sonnett	85	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.83	Sodium content	0.60
		Low content of organic matter	0.12				
		Water erosion	0.90				
90C:							
Sonnett	85	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.83	Sodium content	0.60
		Low content of organic matter	0.12				
		Water erosion	0.90				
93B:							
Brushton	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
98A:							
Macar	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
98C:							
Macar	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
112C:							
Absher	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.00			Salinity	0.00
		Salinity	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Rock fragments	0.97
		Droughty	0.31				
		Water erosion	0.90				
121D:							
Kremlin	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.84
		No water erosion limitation	0.99				
Tinsley	30	Poor		Fair		Poor	
		Droughty	0.00	Cobble content	0.72	Rock fragments	0.00
		Low content of organic matter	0.12			Hard to reclaim	0.00
						Slope	0.84
Degrand	25	Fair		Good		Fair	
		Low content of organic matter	0.12			Carbonate content	0.46
		Carbonate content	0.46				
122D:							
Tinsley	60	Poor		Fair		Poor	
		Droughty	0.00	Cobble content	0.84	Rock fragments	0.00
		Low content of organic matter	0.12			Hard to reclaim	0.00
						Slope	0.84
Chanta	30	Fair		Good		Poor	
		Low content of organic matter	0.12			Hard to reclaim	0.00
		Droughty	0.99				
		No water erosion limitation	0.99				
123F:							
Tinsley	40	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12	Cobble content	0.72	Hard to reclaim	0.00
						Rock fragments	0.00

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
123F: (cont.)							
Delpoint	25	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.00	Depth to bedrock	0.58
		Droughty	0.77	Shrink-swell	0.90		
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
151F:							
Armells	35	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Slope	0.00
		Droughty	0.61			Hard to reclaim	0.00
						Rock fragments	0.00
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Kirby	25	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Slope	0.00
				Cobble content	0.63	Rock fragments	0.00
191C:							
Archin	50	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.87	Sodium content	0.00
		Sodium content	0.00			Salinity	0.88
		Low content of organic matter	0.12				
		Water erosion	0.68				
Gerdrum	35	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
192C:							
Archin	35	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.87	Sodium content	0.00
		Sodium content	0.00			Salinity	0.88
		Low content of organic matter	0.12				
		Water erosion	0.68				
Davidell	30	Fair		Fair		Fair	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.02
		Low content of organic matter	0.12			Salinity	0.50
		Salinity	0.50				
Bullock	20	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Droughty	0.09	Shrink-swell	0.87	Salinity	0.00
		Low content of organic matter	0.12			Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Water erosion	0.68				
		Salinity	0.88				
222D:							
Floweree	35	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Cambeth	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.87	Slope	0.84
		Droughty	0.92				
		No water erosion limitation	0.99				
Lilsheep	20	Fair		Fair		Poor	
		Droughty	0.16	Depth to bedrock	0.58	Rock fragments	0.00
		Carbonate content	0.80			Carbonate content	0.80
						Slope	0.84
228F:							
Cambeth	40	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.00	Depth to bedrock	0.58
		Droughty	0.92	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Lilsheep	25	Fair		Poor		Poor	
		Droughty	0.16	Slope	0.00	Rock fragments	0.00
		Carbonate content	0.80	Depth to bedrock	0.58	Slope	0.00
						Carbonate content	0.80

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
228F: (cont.)							
Lonna	20	Fair		Fair		Poor	
		Low content of organic matter	0.12	Slope	0.50	Slope	0.00
		Sodium content	0.78	Shrink-swell	0.87	Sodium content	0.78
		Salinity	0.97			Salinity	0.88
		No water erosion limitation	0.99				
241B:							
Davidell	65	Fair		Fair		Fair	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.02
		Low content of organic matter	0.12			Salinity	0.50
		Salinity	0.50				
Antwerp	20	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Too alkaline	0.00			Salinity	0.00
		Salinity	0.50				
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
242C:							
Davidell	40	Fair		Fair		Fair	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.02
		Low content of organic matter	0.12			Salinity	0.50
		Salinity	0.50				
Ivanell	40	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Sodium content	0.00
		Salinity	0.50	Shrink-swell	0.87	Salinity	0.00
		Depth to bedrock	0.58			Too Clayey	0.57
		Sodium content	0.60			Depth to bedrock	0.58
		Droughty	0.75				
		Too clayey	0.98				
		No water erosion limitation	0.99				
271E:							
Busby	40	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
Blacksheep	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.88				
Twilight	20	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.41	Slope	0.50	Depth to bedrock	0.58
		Depth to bedrock	0.58				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
277D:							
Busby	55	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.96
Twilight	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.41			Slope	0.96
		Depth to bedrock	0.58				
278E:							
Busby	45	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.96
Yetull	35	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.22
		Droughty	0.11			Slope	0.96
		Low content of organic matter	0.12				
		Too sandy	0.22				
293E:							
Cambeth	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.89	Depth to bedrock	0.58
		Droughty	0.92	Slope	0.92		
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Kirby	20	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12	Cobble content	0.00	Hard to reclaim	0.00
		Cobble content	0.15			Rock fragments	0.00
296F:							
Cambeth	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Depth to bedrock	0.58	Shrink-swell	0.87	Depth to bedrock	0.58
		Droughty	0.92				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
296F: (cont.)							
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.87		
		Droughty	0.92				
		No water erosion limitation	0.99				
Megonot	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.73	Depth to bedrock	0.58
		Depth to bedrock	0.58			Rock fragments	0.97
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
297D:							
Cambeth	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Depth to bedrock	0.58	Shrink-swell	0.87	Depth to bedrock	0.58
		Droughty	0.92				
		No water erosion limitation	0.99				
Megonot	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.73	Slope	0.37
		Depth to bedrock	0.58			Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
297E:							
Cambeth	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Droughty	0.92	Shrink-swell	0.87		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
297E: (cont.)							
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Yawdim	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Shrink-swell	0.12	Depth to bedrock	0.00
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
311A:							
Ryell	85	Fair		Good		Poor	
		Low content of organic matter	0.12			Hard to reclaim	0.00
		Water erosion	0.90				
		Droughty	0.99				
341D:							
Tally	50	Fair		Good		Good	
		Low content of organic matter	0.88				
Vebar	40	Fair		Poor		Fair	
		Droughty	0.01	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Low content of organic matter	0.88				
342C:							
Tally	50	Fair		Good		Good	
		Low content of organic matter	0.88				
Shambo	40	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
352D:							
Chinook	50	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97
Twilight	40	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.41				
		Depth to bedrock	0.58				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
353C:							
Chinook	50	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97
Kremlin	40	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
355C:							
Chinook	35	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97
Twilight	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.41				
		Depth to bedrock	0.58				
Eapa	20	Fair		Fair		Good	
		Low content of organic matter	0.12	Shrink-swell	0.87		
357D:							
Chinook	35	Fair		Good		Fair	
		Low content of organic matter	0.50			Slope	0.37
						Rock fragments	0.97
Lihen	30	Poor		Good		Fair	
		Wind erosion	0.00			Slope	0.37
		Low content of organic matter	0.12			Too sandy	0.78
		Too sandy	0.78				
		Droughty	0.87				
Twilight	20	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Droughty	0.41			Depth to bedrock	0.58
		Depth to bedrock	0.58				
361E:							
Doney	40	Fair		Poor		Poor	
		Droughty	0.21	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Rock fragments	0.97
		No water erosion limitation	0.99				
Broadus	30	Fair		Fair		Poor	
		Low content of organic matter	0.88	Slope	0.50	Slope	0.00
		No water erosion limitation	0.99	Shrink-swell	0.87		

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
361E: (cont.)							
Cabba	20	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.50	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
381F:							
Delpoint	60	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.77	Shrink-swell	0.90		
		No water erosion limitation	0.99				
Armells	30	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Slope	0.00
		Droughty	0.61			Hard to reclaim	0.00
						Rock fragments	0.00
383F:							
Delpoint	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.77	Shrink-swell	0.90		
		No water erosion limitation	0.99				
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Yawdim	20	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Shrink-swell	0.12	Slope	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
385E:							
Delpoint	35	Fair		Poor		Poor	
		Droughty	0.57	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
385E: (cont.)							
Yamacall	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
386F:							
Cabbart	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.00	Depth to bedrock	0.58
		Droughty	0.77	Shrink-swell	0.90		
		No water erosion limitation	0.99				
387D:							
Delpoint	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.90	Slope	0.84
		Droughty	0.77				
		No water erosion limitation	0.99				
Busby	30	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.84
Blacksheep	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Slope	0.37
		Low content of organic matter	0.88				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
388D:							
Delpoint	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.90	Slope	0.84
		Droughty	0.77				
		No water erosion limitation	0.99				
Kobase	25	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Yawdim	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Slope	0.84
		Low content of organic matter	0.12				
		Water erosion	0.90				
421A:							
Gerdrum	45	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
Creed	40	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Water erosion	0.68				
		Salinity	0.88				
421C:							
Gerdrum	45	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
Creed	40	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Water erosion	0.68				
		Salinity	0.88				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
421D:							
Gerdrum	45	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Salinity	0.00
		Low content of organic matter	0.12			Sodium content	0.00
		Salinity	0.50			Slope	0.84
		Water erosion	0.90				
Creed	40	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Slope	0.84
		Water erosion	0.68			Rock fragments	0.97
		Salinity	0.88				
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.06	Shrink-swell	0.83	Depth to bedrock	0.58
		Depth to bedrock	0.58			Rock fragments	0.97
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
451A:							
Glendive	85	Fair		Good		Good	
		Low content of organic matter	0.88				
452A:							
Glendive	85	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
453A:							
Glendive	50	Fair		Good		Good	
		Low content of organic matter	0.88				
Havre	40	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
456A:							
Havre	45	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
456A: (cont.)							
Glendive	45	Fair		Good		Good	
		Low content of organic matter	0.88				
461A:							
Hanly	85	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Low content of organic matter	0.88				
462A:							
Hanly	50	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Low content of organic matter	0.88				
Glendive	40	Fair		Good		Good	
		Low content of organic matter	0.88				
471A:							
Harlake	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
473A:							
Lallie	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Too Clayey	0.00
		No water erosion limitation	0.99	Shrink-swell	0.12	Depth to saturated zone	0.00
481A:							
Havre	85	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
483A:							
Havre	85	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
486A:							
Glendive	50	Fair		Good		Good	
		Low content of organic matter	0.88				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
486A: (cont.)							
Havre	40	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
487A:							
Havre	55	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				
Harlake	35	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.78			Sodium content	0.78
		Low content of organic matter	0.88				
		Water erosion	0.90				
488A:							
Havre	85	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
489A:							
Spinekop	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
491A:							
Ismay	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Salinity	0.50			Salinity	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
501C:							
Kremlin	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Delpoint	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.90		
		Droughty	0.77				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
511C:							
Shambo	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Doney	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.21	No shrink-swell limitation	0.99	Rock fragments	0.97
		Depth to bedrock	0.58				
		Water erosion	0.90				
531D:							
Kobase	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88			Slope	0.96
		No water erosion limitation	0.99				
532C:							
Kobase	60	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Gerdrum	30	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
534C:							
Marias	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
542E:							
Lihen	60	Poor		Poor		Poor	
		Wind erosion	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12			Too sandy	0.78
		Too sandy	0.78				
		Droughty	0.87				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
542E: (cont.)							
Yetull	25	Poor		Fair		Poor	
		Wind erosion	0.00	Slope	0.18	Slope	0.00
		Droughty	0.08			Too sandy	0.22
		Too sandy	0.22				
		Low content of organic matter	0.50				
552D:							
Neldore	35	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.12	Depth to bedrock	0.00
		Too clayey	0.00			Slope	0.96
		Low content of organic matter	0.88				
Abor	30	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.06	Shrink-swell	0.83	Depth to bedrock	0.58
		Depth to bedrock	0.58			Slope	0.96
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
Marvan	25	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.40			Sodium content	0.40
		Salinity	0.88				
		Low content of organic matter	0.88				
		Water erosion	0.90				
554E:							
Delpoint	60	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.90	Depth to bedrock	0.58
		Droughty	0.77				
		No water erosion limitation	0.99				
Weingart	25	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Too clayey	0.00	Shrink-swell	0.15	Too Clayey	0.00
		Too alkaline	0.00			Salinity	0.00
		Droughty	0.06			Rock fragments	0.03
		Low content of organic matter	0.12			Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Salinity	0.88				
		Water erosion	0.90				
561C:							
Cherry	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
561C: (cont.)							
Cambert	35	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.69	Shrink-swell	0.98		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
562D:							
Cherry	40	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		Water erosion	0.90				
Cambert	30	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.37
		Droughty	0.69	Shrink-swell	0.98	Depth to bedrock	0.58
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Cabba	15	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00			Slope	0.37
		Low content of organic matter	0.88			Salinity	0.88
		No water erosion limitation	0.99				
573D:							
Lonna	30	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Slope	0.37
		Sodium content	0.78			Sodium content	0.78
		Salinity	0.97			Salinity	0.88
		No water erosion limitation	0.99				
Cambeth	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Depth to bedrock	0.58	Shrink-swell	0.87	Depth to bedrock	0.58
		Droughty	0.92				
		No water erosion limitation	0.99				
Yamacall	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
574E:							
Lonna	40	Fair		Fair		Fair	
		Sodium content	0.78	Shrink-swell	0.87	Slope	0.04
		Low content of organic matter	0.88			Sodium content	0.78
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
574E: (cont.)							
Cambeth	25	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Droughty	0.92	Shrink-swell	0.89		
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.68	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
575C:							
Lonna	50	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.78
		Sodium content	0.78			Salinity	0.88
		Salinity	0.97				
		No water erosion limitation	0.99				
Cambeth	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.87		
		Droughty	0.92				
		No water erosion limitation	0.99				
576A:							
Lonna	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.78
		Sodium content	0.78			Salinity	0.88
		Salinity	0.97				
		No water erosion limitation	0.99				
576C:							
Lonna	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Shrink-swell	0.87	Sodium content	0.78
		Sodium content	0.78			Salinity	0.88
		Salinity	0.97				
		No water erosion limitation	0.99				
577D:							
Lonna	40	Fair		Fair		Fair	
		Sodium content	0.78	Shrink-swell	0.87	Sodium content	0.78
		Low content of organic matter	0.88			Slope	0.96
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
577D: (cont.)							
Cambeth	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.89	Slope	0.96
		Droughty	0.92				
		No water erosion limitation	0.99				
Cabbart	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Salinity	0.88
		Low content of organic matter	0.88			Carbonate content	0.92
		Carbonate content	0.92			Slope	0.96
		No water erosion limitation	0.99				
581C:							
Ivanell	50	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Sodium content	0.00
		Salinity	0.50	Shrink-swell	0.87	Salinity	0.00
		Depth to bedrock	0.58			Too Clayey	0.57
		Sodium content	0.60			Depth to bedrock	0.58
		Droughty	0.75				
		Too clayey	0.98				
		No water erosion limitation	0.99				
Cabbart	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Salinity	0.88
		Low content of organic matter	0.88			Carbonate content	0.92
		Carbonate content	0.92				
		No water erosion limitation	0.99				
602C:							
Bonfri	85	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88			Too Clayey	0.70
		Droughty	0.91				
		Too clayey	0.98				
		No water erosion limitation	0.99				
603D:							
Busby	85	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
604E:							
Busby	35	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
604E: (cont.)							
Delpoint	30	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.70	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Yawdim	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
605D:							
Cabbart	50	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00			Slope	0.37
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Cambeth	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Depth to bedrock	0.58	Shrink-swell	0.87	Depth to bedrock	0.58
		Droughty	0.92				
		No water erosion limitation	0.99				
607C:							
Cambeth	60	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.87		
		Droughty	0.92				
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00				
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
608C:							
Chinook	85	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
612F:							
Kirby	40	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Cobble content	0.24			Rock fragments	0.00
Blacksheep	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12				
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Cabbart	35	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00				
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
615C:							
Yamacall	70	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Havre	20	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
621B:							
Marvan	50	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.40			Sodium content	0.40
		Salinity	0.88				
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
621B: (cont.)							
Vanda	35	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.00			Sodium content	0.00
		Too clayey	0.00			Salinity	0.00
		Low content of organic matter	0.12				
		Salinity	0.50				
		No water erosion limitation	0.99				
631F:							
Bitton	35	Fair		Poor		Poor	
		Low content of organic matter	0.88	Slope	0.00	Slope	0.00
		Droughty	0.98			Hard to reclaim	0.00
						Rock fragments	0.00
Cabba	25	Poor		Poor		Poor	
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
Ringling	25	Poor		Poor		Poor	
		Droughty	0.00	Cobble content	0.00	Slope	0.00
		Cobble content	0.00	Slope	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
641D:							
Pinehill	60	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.66	Too Clayey	0.00
		Low content of organic matter	0.12			Slope	0.96
		Water erosion	0.90				
Absher	30	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.00			Salinity	0.00
		Salinity	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Rock fragments	0.97
		Droughty	0.31				
		Water erosion	0.90				
650F:							
Armells	40	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Slope	0.00
		Droughty	0.58			Hard to reclaim	0.00
						Rock fragments	0.00

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
650F: (cont.)							
Delpoint	20	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.78	Slope	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
651C:							
Busby	35	Fair		Good		Good	
		Low content of organic matter	0.12				
Twilight	30	Fair		Poor		Fair	
		Droughty	0.52	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Low content of organic matter	0.88				
Blacksheep	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00				
		Low content of organic matter	0.88				
652C:							
Chinook	85	Poor		Good		Good	
		Too alkaline	0.00				
		Low content of organic matter	0.88				
653B:							
Davidell	85	Fair		Fair		Fair	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.02
		Low content of organic matter	0.12			Salinity	0.50
		Salinity	0.50				
		No water erosion limitation	0.99				
654B:							
Eapa	85	Fair		Fair		Good	
		Low content of organic matter	0.12	Shrink-swell	0.87		

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
656A:							
Gerdrum	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
657C:							
Gerdrum	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
658C:							
Gerdrum	50	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
Marvan	40	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.12			Sodium content	0.40
		Sodium content	0.40				
		Salinity	0.88				
		Water erosion	0.90				
659A:							
Glendive	85	Fair		Good		Fair	
		Low content of organic matter	0.88			Salinity	0.88
		Water erosion	0.90			Rock fragments	0.97
660A:							
Hanly	50	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Droughty	0.46				
		Low content of organic matter	0.88				
		Water erosion	0.90				
Glendive	40	Fair		Good		Fair	
		Low content of organic matter	0.88			Salinity	0.88
		Water erosion	0.90			Rock fragments	0.97

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
661A:							
Havre	85	Fair		Poor		Poor	
		Salinity	0.50	Depth to saturated zone	0.00	Salinity	0.00
		Sodium content	0.78			Depth to saturated zone	0.00
		Low content of organic matter	0.88			Sodium content	0.78
		No water erosion limitation	0.99				
662F:							
Neldore	50	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Depth to bedrock	0.00			Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Abor	30	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Too Clayey	0.00
		Droughty	0.37	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.31	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
663F:							
Neldore	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Too clayey	0.00	Slope	0.18	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.39	Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Abor	25	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.38	Shrink-swell	0.31	Too Clayey	0.00
		Depth to bedrock	0.58	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00			Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
664F: (cont.)							
Rock outcrop--------	30	Not rated		Not rated		Not rated	
665F:							
Tinsley----------	35	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.12	Cobble content	0.76	Slope	0.00
						Rock fragments	0.00
Cabbart----------	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
666C:							
Neldore----------	50	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Shrink-swell	0.39	Too Clayey	0.00
		Too clayey	0.00				
		Low content of organic matter	0.88				
Volborg----------	35	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Shrink-swell	0.99	Salinity	0.00
		Too clayey	0.00			Too Clayey	0.00
		Low content of organic matter	0.12			Sodium content	0.40
		Sodium content	0.40			Too acid	0.59
		Too acid	0.50				
		Salinity	0.50				
667E:							
Weingart----------	55	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Sodium content	0.00	Shrink-swell	0.62	Too Clayey	0.00
		Too alkaline	0.00			Depth to bedrock	0.58
		Droughty	0.04			Salinity	0.88
		Depth to bedrock	0.58				
		Low content of organic matter	0.88				
		Salinity	0.88				
		No water erosion limitation	0.99				
Neldore----------	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Too clayey	0.00	Shrink-swell	0.12	Depth to bedrock	0.00
		Depth to bedrock	0.00			Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
668A:							
Zatoville	90	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.87	Salinity	0.00
		Salinity	0.50			Too Clayey	0.00
		Sodium content	0.78			Sodium content	0.78
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
681A:							
Rivra	45	Poor		Fair		Poor	
		Droughty	0.00	Depth to saturated zone	0.32	Rock fragments	0.00
		Low content of organic matter	0.12	Cobble content	0.85	Hard to reclaim	0.00
		Water erosion	0.90			Depth to saturated zone	0.32
Rivra	35	Poor		Fair		Poor	
		Droughty	0.00	Depth to saturated zone	0.32	Rock fragments	0.00
		Low content of organic matter	0.12	Cobble content	0.82	Hard to reclaim	0.00
						Depth to saturated zone	0.32
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Kirby	20	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Cobble content	0.16			Rock fragments	0.00
701E:							
Lamedeer	35	Fair		Fair		Poor	
		Low content of organic matter	0.50	Slope	0.50	Rock fragments	0.00
		Droughty	0.80			Slope	0.00
						Hard to reclaim	0.00
Broadus	30	Fair		Fair		Poor	
		Low content of organic matter	0.88	Slope	0.50	Slope	0.00
		Water erosion	0.90	Shrink-swell	0.87		

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
701E: (cont.)							
Ringling	20	Poor		Poor		Poor	
		Droughty	0.00	Cobble content	0.00	Slope	0.00
		Cobble content	0.00	Slope	0.50	Hard to reclaim	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
702F:							
Lamedeer	35	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Rock fragments	0.00
		Droughty	0.80			Slope	0.00
						Hard to reclaim	0.00
Cabba	30	Poor		Poor		Poor	
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
Ringling	20	Poor		Poor		Poor	
		Droughty	0.00	Cobble content	0.00	Slope	0.00
		Cobble content	0.00	Slope	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
731E:							
Cambert	40	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.69	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Carbonate content	0.92
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Cabba	25	Poor		Poor		Poor	
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
Ringling	20	Poor		Poor		Poor	
		Droughty	0.00	Cobble content	0.00	Slope	0.00
		Cobble content	0.00	Slope	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
732C:							
Cambert	45	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.69	Shrink-swell	0.98		
		Carbonate content	0.92				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
732C: (cont.)							
Widen	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Depth to bedrock	0.58	Shrink-swell	0.12	Depth to bedrock	0.58
		Droughty	0.62				
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
732D:							
Cambert	45	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.37
		Droughty	0.69	Shrink-swell	0.98	Depth to bedrock	0.58
		Low content of organic matter	0.88			Carbonate content	0.92
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Widen	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Depth to bedrock	0.58	Shrink-swell	0.12	Slope	0.37
		Droughty	0.62			Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
733E:							
Cambert	35	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.69	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Carbonate content	0.92
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Cabba	25	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.50	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
Widen	25	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.12	Too Clayey	0.00
		Droughty	0.62	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
734E:							
Cambert	35	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.69	Slope	0.68	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Carbonate content	0.92
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Cherry	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.04
		Water erosion	0.90				
Cabba	20	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Slope	0.68	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
742E:							
Neldore	45	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Shrink-swell	0.12	Depth to bedrock	0.00
		Too clayey	0.00	Slope	0.92	Too Clayey	0.00
		Low content of organic matter	0.88				
Abor	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.06	Shrink-swell	0.62	Depth to bedrock	0.58
		Depth to bedrock	0.58			Slope	0.84
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
781A:							
Vanda	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00	Depth to saturated zone	0.76	Salinity	0.00
		Salinity	0.00			Sodium content	0.00
		Too alkaline	0.00			Depth to saturated zone	0.76
		Droughty	0.09				
		Low content of organic matter	0.12				
		Water erosion	0.90				
797E:							
Yamacall	45	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
797E: (cont.)							
Busby	25	Fair Low content of organic matter	0.12	Fair Slope	0.92	Poor Slope	0.00
Blacksheep	20	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope	0.00 0.92	Poor Slope Depth to bedrock	0.00 0.00
798C:							
Yamacall	50	Fair Low content of organic matter No water erosion limitation	0.88 0.99	Fair Shrink-swell	0.87	Good	
Delpoint	35	Fair Low content of organic matter Depth to bedrock Droughty No water erosion limitation	0.12 0.58 0.77 0.99	Poor Depth to bedrock Shrink-swell	0.00 0.90	Fair Depth to bedrock	0.58
799E:							
Yamacall	40	Fair Low content of organic matter No water erosion limitation	0.88 0.99	Fair Slope Shrink-swell	0.50 0.87	Poor Slope	0.00
Birney	30	Fair Low content of organic matter Droughty	0.12 0.46	Fair Slope	0.50	Poor Slope Hard to reclaim Rock fragments	0.00 0.00 0.00
Delpoint	20	Fair Low content of organic matter Depth to bedrock Droughty No water erosion limitation	0.12 0.58 0.77 0.99	Poor Depth to bedrock Slope Shrink-swell	0.00 0.50 0.90	Poor Slope Depth to bedrock	0.00 0.58
802E:							
Shambo	35	Fair Low content of organic matter No water erosion limitation	0.88 0.99	Fair Shrink-swell	0.87	Fair Slope	0.37
Lisk	30	Fair Low content of organic matter	0.12	Fair Slope	0.92	Poor Slope	0.00

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
802E: (cont.)							
Dast	20	Fair		Poor		Poor	
		Droughty	0.24	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
811C:							
Creed	50	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Salinity	0.88				
		Water erosion	0.90				
Pinehill	35	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.66	Too Clayey	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
813C:							
Creed	50	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.82	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.19
		Low content of organic matter	0.12			Salinity	0.50
		Too clayey	0.32			Rock fragments	0.97
		Water erosion	0.68				
		Salinity	0.88				
Absher	35	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.00			Salinity	0.00
		Salinity	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Rock fragments	0.97
		Droughty	0.31				
		Water erosion	0.90				
831F:							
Doney	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Droughty	0.21	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	No shrink-swell limitation	0.99	Rock fragments	0.97
		Water erosion	0.90				
Cabba	30	Poor		Poor		Poor	
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
831F: (cont.)							
Wayden	20	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Shrink-swell	0.12	Slope	0.00
		Low content of organic matter	0.88				
		Water erosion	0.90				
832E:							
Doney	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.21	Slope	0.50	Depth to bedrock	0.58
		Depth to bedrock	0.58	No shrink-swell limitation	0.99	Rock fragments	0.97
		Water erosion	0.90				
Macar	30	Fair		Fair		Poor	
		Low content of organic matter	0.88	Slope	0.50	Slope	0.00
		No water erosion limitation	0.99	Shrink-swell	0.87		
Cabba	20	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.50	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
841F:							
Birney	50	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Droughty	0.40			Hard to reclaim	0.00
						Rock fragments	0.00
Armells	15	Fair		Poor		Poor	
		Droughty	0.52	Slope	0.00	Slope	0.00
						Hard to reclaim	0.00
						Rock fragments	0.00
Cabbart	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
842F:							
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Yawdim	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Shrink-swell	0.85	Slope	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Fair		Poor		Poor	
		Droughty	0.51	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.96		
		No water erosion limitation	0.99				
Delpoint	25	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.73	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				
844A:							
Havre	35	Fair		Good		Good	
		Low content of organic matter	0.88				
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
844A: (cont.)							
Harlake	30	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.88				
		Water erosion	0.90				
Glendive	25	Fair		Good		Good	
		Low content of organic matter	0.88				
845C:							
Ivanell	40	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Low content of organic matter	0.12	Shrink-swell	0.95	Salinity	0.00
		Salinity	0.50			Too Clayey	0.57
		Droughty	0.53			Depth to bedrock	0.77
		Depth to bedrock	0.77				
		Too clayey	0.98				
Davidell	40	Fair		Fair		Poor	
		Sodium content	0.03	Shrink-swell	0.87	Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		No water erosion limitation	0.99				
846F:							
Blacksheep	30	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.12				
Delpoint	30	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Droughty	0.21	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58				
		No water erosion limitation	0.99				
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Fair		Fair		Poor	
		Low content of organic matter	0.12	Slope	0.92	Slope	0.00
Yetull	30	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.22
		Droughty	0.11			Slope	0.37
		Low content of organic matter	0.12				
		Too sandy	0.22				
Rock outcrop	15	Not rated		Not rated		Not rated	

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
862E:							
Doney	35	Fair		Poor		Poor	
		Droughty	0.21	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Rock fragments	0.97
		No water erosion limitation	0.99				
Lamedeer	30	Fair		Fair		Poor	
		Low content of organic matter	0.50	Slope	0.92	Slope	0.00
		Droughty	0.80			Rock fragments	0.00
						Hard to reclaim	0.00
Cabba	20	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Slope	0.92	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
862F:							
Doney	35	Fair		Poor		Poor	
		Droughty	0.21	Slope	0.00	Slope	0.00
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.98	Rock fragments	0.97
		No water erosion limitation	0.99				
Lamedeer	30	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Rock fragments	0.00
		Droughty	0.80			Slope	0.00
						Hard to reclaim	0.00
Cabba	20	Poor		Poor		Poor	
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		No water erosion limitation	0.99				
871C:							
Morton	45	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.89		
		Water erosion	0.90				
		Droughty	0.98				
Farland	40	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
891D:							
Yamacall	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Birney	20	Fair		Good		Poor	
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.46			Hard to reclaim	0.00
						Slope	0.84
Delpoint	20	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.90	Slope	0.84
		Droughty	0.77				
		No water erosion limitation	0.99				
892D:							
Yamacall	40	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.84
		No water erosion limitation	0.99				
Delpoint	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.90	Slope	0.84
		Droughty	0.77				
		No water erosion limitation	0.99				
Cabbart	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Slope	0.84
		Low content of organic matter	0.88			Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
901A:							
Sonnett	50	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.83	Sodium content	0.60
		Low content of organic matter	0.12				
		Water erosion	0.90				
Sonnett	35	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.85	Sodium content	0.60
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
901C:							
Sonnett	45	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.83	Sodium content	0.60
		Low content of organic matter	0.12				
		Water erosion	0.90				
Sonnett	40	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.85	Sodium content	0.60
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
902C:							
Sonnett	60	Poor		Fair		Fair	
		Too alkaline	0.00	Shrink-swell	0.85	Sodium content	0.60
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		No water erosion limitation	0.99				
911F:							
Armells	50	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Slope	0.00
		Droughty	0.52			Hard to reclaim	0.00
						Rock fragments	0.00
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
912F:							
Armells	50	Fair		Poor		Poor	
		Low content of organic matter	0.50	Slope	0.00	Slope	0.00
		Droughty	0.52			Hard to reclaim	0.00
						Rock fragments	0.00

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
912F: (cont.)							
Kirby	30	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Cobble content	0.20			Rock fragments	0.00
913D:							
Birney	35	Fair		Good		Poor	
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.46			Hard to reclaim	0.00
						Slope	0.96
Cooers	30	Fair		Good		Fair	
		Low content of organic matter	0.12			Rock fragments	0.88
		No water erosion limitation	0.99				
Kirby	20	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Rock fragments	0.00
		Droughty	0.00			Hard to reclaim	0.00
		Cobble content	0.34			Slope	0.84
914D:							
Bullock	55	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Droughty	0.04	Shrink-swell	0.96	Salinity	0.00
		Low content of organic matter	0.12			Depth to bedrock	0.58
		Depth to bedrock	0.58				
		Salinity	0.88				
		No water erosion limitation	0.99				
Ralore	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Slope	0.84
		Too alkaline	0.00			Too Clayey	0.93
		Too clayey	0.98				
		No water erosion limitation	0.99				
916E:							
Busby	35	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
Twilight	30	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.28	Slope	0.92	Depth to bedrock	0.58
		Depth to bedrock	0.58				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
916E: (cont.)							
Blacksheep	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.12				
917D:							
Cambeth	55	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88	Shrink-swell	0.89	Slope	0.84
		Droughty	0.94				
		No water erosion limitation	0.99				
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Slope	0.84
		No water erosion limitation	0.99				
918E:							
Cambeth	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Depth to bedrock	0.58	Shrink-swell	0.87	Depth to bedrock	0.58
		Droughty	0.92				
		No water erosion limitation	0.99				
Cabbart	40	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
919F:							
Delpoint	50	Fair		Poor		Poor	
		Droughty	0.50	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.00	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
921F:							
Twilight	45	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.41	Slope	0.50	Depth to bedrock	0.58
		Depth to bedrock	0.58				
Blacksheep	20	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Slope	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.88				
Busby	20	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
931C:							
Ralph	45	Fair		Poor		Fair	
		Low content of organic matter	0.50	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.95		
		Droughty	0.94				
Brushton	40	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
940E:							
Delpoint	35	Fair		Poor		Poor	
		Droughty	0.57	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Yamacall	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
941C:							
Gerdrum	40	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
Kobase	40	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
942A:							
Harlake	85	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
943F:							
Kirby	40	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Cobble content	0.12			Rock fragments	0.00
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88			Slope	0.37
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
944E: (cont.)							
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Depth to bedrock	0.00
		Low content of organic matter	0.88	Slope	0.92		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Yawdim	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Too Clayey	0.00
		Too clayey	0.00			Depth to bedrock	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
945A:							
Lonna	70	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Alona	20	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.87	Sodium content	0.00
		Sodium content	0.00			Salinity	0.00
		Low content of organic matter	0.12				
		Salinity	0.50				
		Water erosion	0.90				
945C:							
Lonna	65	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Sodium content	0.78
		No water erosion limitation	0.99			Salinity	0.88
Alona	20	Poor		Fair		Poor	
		Too alkaline	0.00	Shrink-swell	0.87	Sodium content	0.00
		Sodium content	0.00			Salinity	0.00
		Low content of organic matter	0.12				
		Salinity	0.50				
		Water erosion	0.90				
946A:							
Lonna	70	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
946A: (cont.)							
Antwerp	20	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Salinity	0.50			Salinity	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
946C:							
Lonna	65	Fair		Fair		Fair	
		Sodium content	0.78	Shrink-swell	0.87	Sodium content	0.78
		Low content of organic matter	0.88			Salinity	0.88
		No water erosion limitation	0.99				
Antwerp	20	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Salinity	0.50			Salinity	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
947E:							
Lonna	50	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99			Sodium content	0.78
						Salinity	0.88
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Yawdim	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
948B:							
Rominell	85	Poor		Good		Poor	
		Too alkaline	0.00			Sodium content	0.00
		Sodium content	0.00			Salinity	0.88
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
949E:							
Tinsley	85	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.12	Cobble content	0.66	Slope	0.00
						Rock fragments	0.00
951C:							
Vanstel	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
952D:							
Yamacall	50	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Birney	35	Fair		Good		Poor	
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.49			Hard to reclaim	0.00
						Slope	0.37
953E:							
Yamacall	45	Fair		Fair		Poor	
		Low content of organic matter	0.88	Slope	0.50	Slope	0.00
		No water erosion limitation	0.99	Shrink-swell	0.87		
Birney	20	Fair		Fair		Poor	
		Low content of organic matter	0.12	Slope	0.50	Slope	0.00
		Droughty	0.49			Hard to reclaim	0.00
						Rock fragments	0.00
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87		
		Carbonate content	0.92				
		No water erosion limitation	0.99				
954C:							
Yamacall	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.99		
		No water erosion limitation	0.99				
Busby	40	Fair		Good		Good	
		Low content of organic matter	0.12				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
954D:							
Yamacall	50	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Busby	40	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
955D:							
Yamacall	50	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.98	Slope	0.84
		No water erosion limitation	0.99				
Delpoint	35	Fair		Poor		Fair	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.60			Slope	0.84
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
956F:							
Yawdim	30	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Too Clayey	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Too clayey	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
Cabbart	30	Poor		Poor		Poor	
		Droughty	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.88				
		Carbonate content	0.92				
		No water erosion limitation	0.99				
Kobase	25	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Slope	0.00
		Sodium content	0.60	Slope	0.50	Too Clayey	0.00
		Low content of organic matter	0.88			Sodium content	0.60
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
957E:							
Abor	55	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.12	Too Clayey	0.00
		Droughty	0.60	Slope	0.92	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
Cabbart	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Delpoint	15	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.92	Depth to bedrock	0.58
		Droughty	0.77	Shrink-swell	0.97		
		No water erosion limitation	0.99				
958D:							
Abor	50	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.17	Shrink-swell	0.62	Depth to bedrock	0.58
		Depth to bedrock	0.58			Slope	0.84
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
Delpoint	20	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.37			Slope	0.84
		Depth to bedrock	0.58				
		No water erosion limitation	0.99				
Kobase	15	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Sodium content	0.10			Sodium content	0.10
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
959D:							
Abor	35	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.29	Shrink-swell	0.53	Depth to bedrock	0.58
		Depth to bedrock	0.58			Rock fragments	0.97
		Low content of organic matter	0.88				
		Water erosion	0.90				
Weingart	30	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Salinity	0.00
		Too clayey	0.00	Shrink-swell	0.12	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.00
		Droughty	0.09			Depth to bedrock	0.58
		Low content of organic matter	0.12				
		Depth to bedrock	0.58				
		Salinity	0.88				
		Water erosion	0.90				
Neldore	25	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.12	Depth to bedrock	0.00
		Too clayey	0.00			Slope	0.96
		Low content of organic matter	0.88				
960A:							
Busby	85	Fair		Good		Good	
		Low content of organic matter	0.12				
		No water erosion limitation	0.99				
961C:							
Busby	50	Fair		Good		Good	
		Low content of organic matter	0.12				
Yetull	35	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.22
		Droughty	0.12				
		Low content of organic matter	0.12				
		Too sandy	0.22				
962F:							
Cambert	30	Fair		Poor		Poor	
		Depth to bedrock	0.58	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.62	Slope	0.92	Depth to bedrock	0.58
		Carbonate content	0.92	Shrink-swell	0.99		
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
962F: (cont.)							
Bigsheep	25	Poor		Poor		Poor	
		Too alkaline	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
		Carbonate content	0.80			Hard to reclaim	0.00
		Droughty	0.98			Carbonate content	0.80
		No water erosion limitation	0.99				
Golva	20	Fair		Fair		Fair	
		Low content of organic matter	0.50	Shrink-swell	0.87	Slope	0.37
963E:							
Cambeth	30	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.54	Slope	0.50	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.99		
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Lonna	20	Fair		Fair		Poor	
		Sodium content	0.78	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88	Shrink-swell	0.87	Sodium content	0.78
		No water erosion limitation	0.99			Salinity	0.88
964E:							
Cambeth	40	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Depth to bedrock	0.58	Shrink-swell	0.95	Slope	0.84
		Droughty	0.81				
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Depth to bedrock	0.00
		Low content of organic matter	0.88			Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
964E: (cont.)							
Yawdim	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.39	Too Clayey	0.00
		Too clayey	0.00			Slope	0.84
		Low content of organic matter	0.12				
		Water erosion	0.90				
965C:							
Chinook	50	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.97
Twilight	40	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.35				
		Depth to bedrock	0.58				
966D:							
Chinook	40	Fair		Good		Fair	
		Low content of organic matter	0.50			Slope	0.37
						Rock fragments	0.97
Twilight	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Droughty	0.45			Depth to bedrock	0.58
		Depth to bedrock	0.58				
Blacksheep	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Slope	0.37
		Low content of organic matter	0.12				
967E:							
Delpoint	45	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.51	Shrink-swell	0.99	Depth to bedrock	0.58
		Depth to bedrock	0.58				
		No water erosion limitation	0.99				
Cabbart	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Depth to bedrock	0.00
		Low content of organic matter	0.88			Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
967E: (cont.)							
Yawdim	15	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00			Too Clayey	0.00
		Too clayey	0.00			Depth to bedrock	0.00
		Low content of organic matter	0.12				
		Water erosion	0.90				
968E:							
Delpoint	35	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.21	Slope	0.92	Depth to bedrock	0.58
		Depth to bedrock	0.58				
		No water erosion limitation	0.99				
Yamacall	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Cabbart	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.92	Depth to bedrock	0.00
		Low content of organic matter	0.88	Shrink-swell	0.96	Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
969C:							
Eapa	50	Fair		Fair		Good	
		Low content of organic matter	0.12	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Delpoint	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.37				
		Depth to bedrock	0.58				
		No water erosion limitation	0.99				
971E:							
Lisk	40	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37
Cohagen	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
971E: (cont.)							
Dast	20	Fair		Poor		Poor	
		Droughty	0.25	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.58	Slope	0.50	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
981C:							
Macar	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Doney	35	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Depth to bedrock	0.58
		Droughty	0.21	No shrink-swell limitation	0.99	Rock fragments	0.97
		Depth to bedrock	0.58				
		Water erosion	0.90				
982D:							
Macar	40	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Doney	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Depth to bedrock	0.00	Slope	0.37
		Droughty	0.21	No shrink-swell limitation	0.99	Depth to bedrock	0.58
		Depth to bedrock	0.58			Rock fragments	0.97
		Water erosion	0.90				
Cabba	15	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Shrink-swell	0.96	Slope	0.37
		Low content of organic matter	0.88			Salinity	0.88
		No water erosion limitation	0.99				
983E:							
Macar	45	Fair		Fair		Fair	
		Low content of organic matter	0.88	Shrink-swell	0.87	Slope	0.37
		No water erosion limitation	0.99				
Lisk	25	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.37

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
983E: (cont.)							
Cohagen	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.88				
990E:							
Lihen	45	Poor		Fair		Poor	
		Wind erosion	0.00	Slope	0.18	Slope	0.00
		Low content of organic matter	0.12			Too sandy	0.78
		Too sandy	0.78				
		Droughty	0.85				
Tinsley	35	Poor		Fair		Poor	
		Droughty	0.00	Slope	0.18	Slope	0.00
		Low content of organic matter	0.12	Cobble content	0.68	Hard to reclaim	0.00
						Rock fragments	0.00
991F:							
Neldore	30	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Droughty	0.00	Slope	0.00	Slope	0.00
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.12				
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.37	Slope	0.00	Slope	0.00
		Depth to bedrock	0.58	Shrink-swell	0.31	Depth to bedrock	0.58
		Low content of organic matter	0.88			Rock fragments	0.97
		No water erosion limitation	0.99				
992C:							
Parshall	85	Fair		Good		Good	
		Low content of organic matter	0.88				
993C:							
Pinehill	45	Poor		Fair		Fair	
		Low content of organic matter	0.00	Shrink-swell	0.87	Rock fragments	0.97
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
993C: (cont.)							
Weingart	30	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Salinity	0.00
		Too clayey	0.00	Shrink-swell	0.12	Sodium content	0.00
		Too alkaline	0.00			Too Clayey	0.00
		Low content of organic matter	0.12			Depth to bedrock	0.58
		Droughty	0.23				
		Depth to bedrock	0.58				
		Salinity	0.88				
		Water erosion	0.90				
Gerdrum	15	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				
994E:							
Cabbart	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Shrink-swell	0.87	Slope	0.04
		Low content of organic matter	0.88			Salinity	0.88
		Carbonate content	0.92			Carbonate content	0.92
		No water erosion limitation	0.99				
Bullock	35	Poor		Poor		Poor	
		Sodium content	0.00	Depth to bedrock	0.00	Sodium content	0.00
		Too alkaline	0.00	Shrink-swell	0.87	Salinity	0.00
		Droughty	0.09			Depth to bedrock	0.58
		Low content of organic matter	0.12				
		Depth to bedrock	0.58				
		Salinity	0.88				
		No water erosion limitation	0.99				
995C:							
Yamacall	50	Fair		Fair		Good	
		Low content of organic matter	0.88	Shrink-swell	0.87		
		No water erosion limitation	0.99				
Gerdrum	35	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Too clayey	0.00			Sodium content	0.00
		Low content of organic matter	0.12			Salinity	0.00
		Salinity	0.50				
		Water erosion	0.90				

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
996A:							
Yetull	50	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.22
		Droughty	0.12				
		Low content of organic matter	0.12				
		Too sandy	0.22				
Busby	40	Fair		Good		Good	
		Low content of organic matter	0.12				
4621A:							
Hanly	50	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Low content of organic matter	0.88				
Glendive	40	Fair		Good		Good	
		Low content of organic matter	0.88				
4861A:							
Glendive	50	Fair		Good		Good	
		Low content of organic matter	0.88				
Havre	40	Fair		Good		Good	
		Low content of organic matter	0.88				
4871A:							
Havre	55	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
Harlake	35	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.12	Too Clayey	0.00
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
4881A:							
Havre	85	Fair		Good		Good	
		Low content of organic matter	0.88				
		No water erosion limitation	0.99				
DA:							
Denied Access	100	Not rated		Not rated		Not rated	

Construction Materials - Table 2 (Continued)

Map symbol and soil name	Pct of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
3F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94	Piping	1.00		
		Depth to bedrock	0.66				
Rock outcrop	30	Not rated		Not rated		Not rated	
Yawdim	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94	Hard to pack	0.12		
		Depth to bedrock	0.66				
12E:							
Wabek	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.12	Deep to water	1.00
		Slope	0.18				
14B:							
Alona	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
17F:							
Badland	90	Not rated		Not rated		Not rated	
18E:							
Cabbart	60	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.10	Piping	1.00		
Havre	25	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
19C:							
Archin	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
21C:							
Benz	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
24B:							
Davidell	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
25A:							
Marias	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
27A:							
Busby	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
27C:							
Busby	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.04	Very limited Deep to water	 1.00
30C:							
Yamacall	50	Somewhat limited Seepage	 0.70	Very limited Piping	 1.00	Very limited Deep to water	 1.00
Havre	35	Somewhat limited Seepage	 0.70	Very limited Piping	 1.00	Very limited Deep to water	 1.00
31A:							
Ryell	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.31	Very limited Deep to water	 1.00
33A:							
Chanta	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.06	Very limited Deep to water	 1.00
34C:							
Tally	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.07	Very limited Deep to water	 1.00
35C:							
Chinook	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.03	Very limited Deep to water	 1.00
37B:							
Degrand	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.12	Very limited Deep to water	 1.00
39A:							
Ethridge	85	Not limited		Somewhat limited Piping	 0.04	Very limited Deep to water	 1.00
39C:							
Ethridge	85	Not limited		Somewhat limited Piping	 0.04	Very limited Deep to water	 1.00
40A:							
Savage	85	Not limited		Not limited		Very limited Deep to water	 1.00
40C:							
Savage	85	Not limited		Not limited		Very limited Deep to water	 1.00
41A:							
Eapa	85	Somewhat limited Seepage	 0.70	Somewhat limited Piping	 0.64	Very limited Deep to water	 1.00
41C:							
Eapa	85	Somewhat limited Seepage	 0.70	Somewhat limited Piping	 0.64	Very limited Deep to water	 1.00
43F:							
Abor	50	Somewhat limited Slope Depth to bedrock	 0.50 0.11	Somewhat limited Thin layer	 0.85	Very limited Deep to water	 1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
43F: (cont.)							
Lilsheep	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.11	Deep to water	1.00
		Slope	0.36				
		Depth to bedrock	0.01				
44A:							
Farnuf	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.95	Deep to water	1.00
44C:							
Farnuf	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.95	Deep to water	1.00
45A:							
Glendive	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
46A:							
Hanly	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.50	Deep to water	1.00
47A:							
Harlake	85	Not limited		Somewhat limited		Very limited	
				Piping	0.22	Deep to water	1.00
50C:							
Kremlin	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
51C:							
Shambo	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
52A:							
Sagedale	85	Not limited		Not limited		Very limited	
						Deep to water	1.00
52C:							
Sagedale	85	Not limited		Not limited		Very limited	
						Deep to water	1.00
53A:							
Kobase	85	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
53C:							
Kobase	85	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
53D:							
Kobase	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.01	Piping	0.90	Deep to water	1.00
56A:							
Cherry	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
56C:							
Cherry	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
57A:							
Lonna	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
				Salinity	0.03		
57C:							
Lonna	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
				Salinity	0.03		
59C:							
Farland	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.86	Deep to water	1.00
60A:							
Golva	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.50	Deep to water	1.00
60C:							
Golva	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.50	Deep to water	1.00
61A:							
Marias	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
62A:							
Marvan	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.12		
62C:							
Marvan	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.12		
64A:							
Pinehill	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.25	Deep to water	1.00
64C:							
Pinehill	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.25	Deep to water	1.00
64D:							
Pinehill	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.25	Deep to water	1.00
		Slope	0.01				
67A:							
Riverwash	90	Not rated		Not rated		Not rated	

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
75C:							
Weingart	45	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
Ivanell	40	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
		Seepage	0.05	Thin layer	0.85		
				Salinity	0.50		
76B:							
Vanstel	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
76C:							
Vanstel	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
77A:							
Havre	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Bigsandy	40	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.05	Depth to saturated zone	1.00	Slow refill	0.95
				Piping	1.00	Cutbanks cave	0.10
						Salty water	0.06
79A:							
Yamacall	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
79C:							
Yamacall	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
79D:							
Yamacall	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
81A:							
Creed	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
81C:							
Creed	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
85C:							
Foreleft	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
88A:							
Floweree	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
88C:							
Floweree	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
90A:							
Sonnett	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
90C:							
Sonnett	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
93B:							
Brushton	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
98A:							
Macar	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
98C:							
Macar	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
112C:							
Absher	85	Not limited		Very limited		Very limited	
				Salinity	1.00	Deep to water	1.00
				Piping	1.00		
121D:							
Kremlin	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Tinsley	30	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
Degrand	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.12	Deep to water	1.00
122D:							
Tinsley	60	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
Chanta	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.06	Deep to water	1.00
123F:							
Tinsley	40	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
		Slope	0.36				
Delpoint	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.50	Thin layer	0.85		
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
123F: (cont.)							
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.50				
151F:							
Armells	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Kirby	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	1.00				
191C:							
Archin	50	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
Gerdrum	35	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
192C:							
Archin	35	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
Davidell	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Bullock	20	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
222D:							
Floweree	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Lilsheep	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.11	Deep to water	1.00
		Depth to bedrock	0.01				
228F:							
Cambeth	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.50	Thin layer	0.85		
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
228F: (cont.)							
Lilsheep	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.11	Deep to water	1.00
		Slope	0.50				
		Depth to bedrock	0.01				
Lonna	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12	Salinity	0.03		
241B:							
Davidell	65	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Antwerp	20	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
242C:							
Davidell	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Ivanell	40	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
		Seepage	0.05	Thin layer	0.85		
				Salinity	0.50		
271E:							
Busby	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.01				
Blacksheep	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.06				
Twilight	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Slope	0.12	Seepage	0.04		
		Depth to bedrock	0.11				
277D:							
Busby	55	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
Twilight	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
278E:							
Busby	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
Yetull	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
293E:							
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.90	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
Cabbart	25	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.36	Piping	1.00		
Kirby	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.36	Content of large stones	0.65		
296F:							
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.36				
Rock outcrop	20	Not rated		Not rated		Not rated	
297C:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Megonot	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
297D:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Megonot	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
		Slope	0.01				
297E:							
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.12				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
297E: (cont.)							
Yawdim	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.12		
		Slope	0.12				
311A:							
Ryell	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.25	Deep to water	1.00
341D:							
Tally	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.07	Deep to water	1.00
Vebar	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
342C:							
Tally	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.07	Deep to water	1.00
Shambo	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
352D:							
Chinook	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
Twilight	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
353C:							
Chinook	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
Kremlin	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
355C:							
Chinook	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
Twilight	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
Eapa	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.64	Deep to water	1.00
357D:							
Chinook	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
		Slope	0.01				
Lihen	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.01				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
357D: (cont.)							
Twilight	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
		Slope	0.01				
361E:							
Doney	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Broadus	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.12				
Cabba	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.12				
381F:							
Delpoint	60	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.72	Piping	0.88	Deep to water	1.00
		Seepage	0.70	Thin layer	0.85		
		Depth to bedrock	0.11				
Armells	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
383F:							
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.72	Piping	0.88	Deep to water	1.00
		Seepage	0.70	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Yawdim	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Hard to pack	0.12		
		Depth to bedrock	0.66				
385E:							
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.98	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Yamacall	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Cabbart	20	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.12	Piping	1.00		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
386F:							
Cabbart	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.64				
Rock outcrop	35	Not rated		Not rated		Not rated	
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.28	Thin layer	0.85		
		Depth to bedrock	0.11				
387D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Busby	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
Blacksheep	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.01				
388D:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Kobase	25	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
Yawdim	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.12		
421A:							
Gerdrum	45	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Creed	40	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
421C:							
Gerdrum	45	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Creed	40	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
421D:							
Gerdrum	45	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Creed	40	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
432D:							
Slickspots	50	Not rated		Not rated		Not rated	
Abor	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
451A:							
Glendive	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
452A:							
Glendive	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
453A:							
Glendive	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
Havre	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
456A:							
Havre	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Glendive	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
461A:							
Hanly	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.50	Deep to water	1.00
462A:							
Hanly	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.50	Deep to water	1.00
Glendive	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.06		
471A:							
Harlake	85	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.50	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
473A:							
Lallie	85	Not limited		Very limited		Very limited	
				Depth to saturated zone	1.00	Slow refill	1.00
				Hard to pack	1.00	Cutbanks cave	0.10
481A:							
Havre	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
483A:							
Havre	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
486A:							
Glendive	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.06		
Havre	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
487A:							
Havre	55	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Harlake	35	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.72	Deep to water	1.00
488A:							
Havre	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
489A:							
Spinekop	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
491A:							
Ismay	85	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.05	Piping	1.00	Slow refill	0.95
				Salinity	0.50	Deep to water	0.81
						Salty water	0.78
						Cutbanks cave	0.10
501C:							
Kremlin	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
511C:							
Shambo	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Doney	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
531D:							
Kobase	85	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
532C:							
Kobase	60	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
Gerdrum	30	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
534C:							
Marias	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
542E:							
Lihen	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.28				
Yetull	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
		Slope	0.18				
552D:							
Neldore	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.50		
Abor	30	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
Marvan	25	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.12		
554E:							
Delpoint	60	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.03				
Weingart	25	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
561C:							
Cherry	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
Cambert	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
562D:							
Cherry	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Cambert	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Cabba	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.01				
573D:							
Lonna	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01	Salinity	0.03		
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Yamacall	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
574E:							
Lonna	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.02				
Cambeth	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.90	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	20	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.10	Piping	1.00		
575C:							
Lonna	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
				Salinity	0.03		
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
576A:							
Lonna	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
				Salinity	0.03		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
576C:							
Lonna	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
				Salinity	0.03		
577D:							
Lonna	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Cambeth	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.90	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Cabbart	15	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
				Piping	1.00		
581C:							
Ivanell	50	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
		Seepage	0.05	Thin layer	0.85		
				Salinity	0.50		
Cabbart	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
602C:							
Bonfri	85	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Piping	0.98	Deep to water	1.00
		Seepage	0.05	Thin layer	0.85		
603D:							
Busby	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.01				
604E:							
Busby	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
		Slope	0.01				
Delpoint	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.94	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
Yawdim	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.12		
		Slope	0.06				
605D:							
Cabbart	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.01				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
605D: (cont.)							
Cambeth	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
607C:							
Cambeth	60	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
608C:							
Chinook	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.01	Deep to water	1.00
612F:							
Kirby	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.94	Content of large stones	0.46		
Blacksheep	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.82	Seepage	0.01		
		Depth to bedrock	0.66				
Rock outcrop	15	Not rated		Not rated		Not rated	
613C:							
Kremlin	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Cabbart	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
615C:							
Yamacall	70	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Havre	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
621B:							
Marvan	50	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.12		
Vanda	35	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.50		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
631F:							
Bitton	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.72	Seepage	0.12	Deep to water	1.00
		Seepage	0.70				
Cabba	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Ringling	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.75	Deep to water	1.00
		Slope	0.72	Content of large stones	0.51		
641D:							
Pinehill	60	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.25	Deep to water	1.00
Absher	30	Not limited		Very limited		Very limited	
				Salinity	1.00	Deep to water	1.00
				Piping	1.00		
650F:							
Armells	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Piping	0.88	Deep to water	1.00
		Seepage	0.70	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
651C:							
Busby	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
Twilight	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
Blacksheep	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
652C:							
Chinook	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
653B:							
Davidell	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
654B:							
Eapa	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.64	Deep to water	1.00
656A:							
Gerdrum	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
657C:							
Gerdrum	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
658C:							
Gerdrum	50	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Marvan	40	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Deep to water	1.00
				Salinity	0.12		
659A:							
Glendive	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.06	Deep to water	1.00
660A:							
Hanly	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.50	Deep to water	1.00
Glendive	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.06	Deep to water	1.00
661A:							
Havre	85	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Ponding	1.00	Salty water	0.78
				Depth to saturated zone	1.00	Slow refill	0.30
				Piping	1.00	Cutbanks cave	0.10
				Salinity	0.50		
662F:							
Neldore	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94				
		Depth to bedrock	0.66				
Abor	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.72	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
663F:							
Neldore	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.18				
Abor	25	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
		Slope	0.06				
Rock outcrop	15	Not rated		Not rated		Not rated	
664F:							
Neldore	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.82				
		Depth to bedrock	0.66				
Rock outcrop	30	Not rated		Not rated		Not rated	
665F:							
Tinsley	35	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
		Slope	0.50				
Cabbart	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.50				
666C:							
Neldore	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
Volborg	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.75	Piping	0.60		
				Salinity	0.50		
667E:							
Weingart	55	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
Neldore	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.50		
		Slope	0.03				
668A:							
Zatoville	90	Not limited		Very limited		Very limited	
				Piping	1.00	Slow refill	1.00
				Salinity	0.50	Deep to water	0.81
						Salty water	0.78
						Cutbanks cave	0.10

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
681A:							
Rivra	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.25		
Rivra	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.25		
691F:							
Rock outcrop	35	Not rated		Not rated		Not rated	
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Kirby	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	1.00	Content of large stones	0.63		
701E:							
Lamedeer	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.19	Deep to water	1.00
		Slope	0.12				
Broadus	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.12				
Ringling	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.75	Deep to water	1.00
		Slope	0.12	Content of large stones	0.34		
702F:							
Lamedeer	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.19	Deep to water	1.00
		Seepage	0.70				
Cabba	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Ringling	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.75	Deep to water	1.00
		Slope	1.00	Content of large stones	0.34		
731E:							
Cambert	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
731E: (cont.)							
Cabba	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.72	Piping	1.00		
		Depth to bedrock	0.66				
Ringling	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.75	Deep to water	1.00
		Slope	0.72	Content of large stones	0.34		
732C:							
Cambert	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Widen	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
732D:							
Cambert	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Widen	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
		Slope	0.01				
733E:							
Cambert	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabba	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.12				
Widen	25	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.12	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				
734E:							
Cambert	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.10				
Cherry	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
		Slope	0.02				
Cabba	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.10				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
742E:							
Neldore	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.50		
		Slope	0.06				
Abor	40	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
781A:							
Vanda	85	Not limited		Very limited		Very limited	
				Salinity	1.00	Slow refill	1.00
				Hard to pack	1.00	Salty water	1.00
				Depth to saturated zone	0.95	Cutbanks cave	0.10
						Deep to water	0.02
797E:							
Yamacall	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Busby	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.06				
Blacksheep	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.06				
798C:							
Yamacall	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
799E:							
Yamacall	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12				
Birney	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.06	Deep to water	1.00
		Slope	0.12				
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
802E:							
Shambo	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
802E: (cont.)							
Lisk	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.06				
Dast	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				
		Slope	0.06				
811C:							
Creed	50	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
Pinehill	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.25	Deep to water	1.00
813C:							
Creed	50	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.12		
Absher	35	Not limited		Very limited		Very limited	
				Salinity	1.00	Deep to water	1.00
				Piping	1.00		
831F:							
Doney	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.72	Thin layer	0.85	Deep to water	1.00
		Seepage	0.70				
		Depth to bedrock	0.11				
Cabba	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
Wayden	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00				
		Depth to bedrock	0.66				
832E:							
Doney	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Slope	0.12				
		Depth to bedrock	0.11				
Macar	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12				
Cabba	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.12				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
841F:							
Birney	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.06	Deep to water	1.00
		Seepage	0.70				
Armells	15	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
Cabbart	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00				
		Depth to bedrock	0.66				
842F:							
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94	Piping	1.00		
		Depth to bedrock	0.66				
Yawdim	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94	Piping	0.43		
		Depth to bedrock	0.66				
Rock outcrop	30	Not rated		Not rated		Not rated	
843E:							
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.99	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Delpoint	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.90	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.12				
844A:							
Havre	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Harlake	30	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.50	Deep to water	1.00
Glendive	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
845C:							
Ivanell	40	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.06	Piping	1.00	Deep to water	1.00
		Seepage	0.05	Thin layer	0.78		
				Salinity	0.50		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
845C: (cont.)							
Davidell	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
846F:							
Blacksheep	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.64				
Delpoint	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.64	Thin layer	0.85		
		Depth to bedrock	0.11				
Rock outcrop	30	Not rated		Not rated		Not rated	
847E:							
Busby	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
		Slope	0.06				
Yetull	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
		Slope	0.01				
Rock outcrop	15	Not rated		Not rated		Not rated	
862E:							
Doney	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
Lamedeer	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.19	Deep to water	1.00
		Slope	0.06				
Cabba	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.06				
862F:							
Doney	35	Somewhat limited		Very limited		Very limited	
		Slope	0.72	Piping	1.00	Deep to water	1.00
		Seepage	0.70	Thin layer	0.85		
		Depth to bedrock	0.11				
Lamedeer	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.19	Deep to water	1.00
		Seepage	0.70				
Cabba	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
871C:							
Morton	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Piping	0.22		
Farland	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.86	Deep to water	1.00
891D:							
Yamacall	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.06	Deep to water	1.00
Delpoint	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
892D:							
Yamacall	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Delpoint	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Cabbart	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
901A:							
Sonnett	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
Sonnett	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
901C:							
Sonnett	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
Sonnett	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
902C:							
Sonnett	60	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
Slickspots	25	Not rated		Not rated		Not rated	
910B:							
Antwerp	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
911F:							
Armells	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00	Piping	1.00		
		Depth to bedrock	0.66				
912F:							
Armells	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Seepage	0.38	Deep to water	1.00
		Seepage	0.70				
Kirby	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	1.00	Content of large stones	0.54		
913D:							
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.06	Deep to water	1.00
Cooers	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Kirby	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
				Content of large stones	0.27		
914D:							
Bullock	55	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
Ralore	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	0.19		
916E:							
Busby	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.01				
Twilight	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
		Slope	0.06				
Blacksheep	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.06				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
917D:							
Cambeth	55	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.90	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
918E:							
Cambeth	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.01				
Cabbart	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.06				
919F:							
Delpoint	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	1.00	Piping	0.99	Deep to water	1.00
		Seepage	0.70	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00				
		Depth to bedrock	0.66				
921F:							
Twilight	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Slope	0.12	Seepage	0.04		
		Depth to bedrock	0.11				
Blacksheep	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.36				
Busby	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.01				
931C:							
Ralph	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Piping	0.65		
Brushton	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
940E:							
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.98	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
940E: (cont.)							
Yamacall	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Cabbart	20	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.12	Piping	1.00		
941C:							
Gerdrum	40	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
Kobase	40	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
942A:							
Harlake	85	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.50	Deep to water	1.00
943F:							
Kirby	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	1.00	Content of large stones	0.72		
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	1.00				
		Depth to bedrock	0.66				
Rock outcrop	20	Not rated		Not rated		Not rated	
944E:							
Kobase	45	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.01	Piping	0.90	Deep to water	1.00
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.06				
Yawdim	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.06				
945A:							
Lonna	70	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Alona	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
945C:							
Lonna	65	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
945C: (cont.)							
Alona	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.05	Piping	1.00	Deep to water	1.00
				Salinity	0.50		
946A:							
Lonna	70	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Antwerp	20	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
946C:							
Lonna	65	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Antwerp	20	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
947E:							
Lonna	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.06				
Yawdim	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.12		
		Slope	0.06				
948B:							
Rominell	85	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
949E:							
Tinsley	85	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
		Slope	0.28				
951C:							
Vanstel	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
952D:							
Yamacall	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Birney	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.06	Deep to water	1.00
		Slope	0.01				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
953E:							
Yamacall	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12				
Birney	20	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.06	Deep to water	1.00
		Slope	0.12				
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.12				
954C:							
Yamacall	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
Busby	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
954D:							
Yamacall	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Busby	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
		Slope	0.01				
955D:							
Yamacall	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
Delpoint	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.98	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
956F:							
Yawdim	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94				
		Depth to bedrock	0.66				
Cabbart	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.94				
		Depth to bedrock	0.66				
Kobase	25	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.12	Piping	0.90	Deep to water	1.00
957E:							
Abor	55	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
		Slope	0.06	Hard to pack	0.72		

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
957E: (cont.)							
Cabbart	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.06				
Delpoint	15	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
958D:							
Abor	50	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
Delpoint	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Kobase	15	Not limited		Somewhat limited		Very limited	
				Piping	0.90	Deep to water	1.00
959D:							
Abor	35	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.11	Thin layer	0.85	Deep to water	1.00
Weingart	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
Neldore	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.50		
960A:							
Busby	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.04	Deep to water	1.00
961C:							
Busby	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
Yetull	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
962F:							
Cambert	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
Bigsheep	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.19	Deep to water	1.00
		Slope	0.36				
Golva	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
963E:							
Cambeth	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12	Thin layer	0.85		
		Depth to bedrock	0.11				
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.28				
Lonna	20	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.12				
964E:							
Cambeth	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.98	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.03				
Yawdim	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
965C:							
Chinook	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.01	Deep to water	1.00
Twilight	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
966D:							
Chinook	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
		Slope	0.01				
Twilight	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.04		
		Slope	0.01				
Blacksheep	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.01		
		Slope	0.01				
967E:							
Delpoint	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.99	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.03				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
967E: (cont.)							
Cabbart	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.03				
Yawdim	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66				
		Slope	0.03				
968E:							
Delpoint	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.06				
Yamacall	30	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Cabbart	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.06				
969C:							
Eapa	50	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.88	Deep to water	1.00
Delpoint	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
971E:							
Lisk	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.01				
Cohagen	25	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.06		
		Slope	0.12				
Dast	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Slope	0.12				
		Depth to bedrock	0.11				
981C:							
Macar	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Doney	35	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
982D:							
Macar	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Doney	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				
		Slope	0.01				
Cabba	15	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.01				
983E:							
Macar	45	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
		Slope	0.01				
Lisk	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.01				
Cohagen	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.06		
		Slope	0.12				
990E:							
Lihen	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.16	Deep to water	1.00
		Slope	0.18				
Tinsley	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Deep to water	1.00
		Slope	0.18				
991F:							
Neldore	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Hard to pack	0.50		
		Slope	0.64				
Rock outcrop	30	Not rated		Not rated		Not rated	
Abor	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.50	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11				
992C:							
Parshall	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
993C:							
Pinehill	45	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.05	Piping	0.78	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area: Rating class and limiting features	Value	Embankments, Dikes, and Levees: Rating class and limiting features	Value	Excavated Ponds (Aquifer-fed): Rating class and limiting features	Value
993C: (cont.)							
Weingart	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
Gerdrum	15	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
994E:							
Cabbart	45	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Piping	1.00		
		Slope	0.02				
Bullock	35	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.11	Piping	1.00	Deep to water	1.00
				Thin layer	0.85		
				Salinity	0.12		
995C:							
Yamacall	50	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Gerdrum	35	Not limited		Very limited		Very limited	
				Piping	1.00	Deep to water	1.00
				Salinity	0.50		
996A:							
Yetull	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
Busby	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.08	Deep to water	1.00
4621A:							
Hanly	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.50	Deep to water	1.00
Glendive	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.04		
4861A:							
Glendive	50	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
Havre	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
4871A:							
Havre	55	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Deep to water	1.00
Harlake	35	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.50	Deep to water	1.00

Water Management (Continued)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
4881A:							
Havre	85	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
DA:							
Denied Access	100	Not rated		Not rated		Not rated	
M-W:							
Miscellaneous Water	100	Not rated		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	

Soil Properties

Data relating to soil properties are collected during the course of the soil survey.

Soil properties are ascertained by field examination of the soils and by laboratory index testing of some benchmark soils. Established standard procedures are followed. During the survey, many shallow borings are made and examined to identify and classify the soils and to delineate them on the soil maps. Samples are taken from some typical profiles and tested in the laboratory to determine particle-size distribution, plasticity, and compaction characteristics.

Estimates of soil properties are based on field examinations, on laboratory tests of samples from the survey area, and on laboratory tests of samples of similar soils in nearby areas. Tests verify field observations, verify properties that cannot be estimated accurately by field observation, and help to characterize key soils.

The estimates of soil properties are shown in tables. They include engineering index properties, physical and chemical properties, and pertinent soil and water features.

Engineering Index Properties

The table "Engineering Index Properties" gives the engineering classifications and the range of index properties for the layers of each soil in the survey area.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly." Textural terms are defined in the Glossary.

Classification of the soils is determined according to the Unified soil classification system (ASTM, 1998) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 1998).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

The estimates of particle-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the classification in the marginal zone is generally omitted in the table.

Physical Properties

The table "Physical Properties of the Soils" shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. The estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. The estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. The estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at $^1/_3$- or $^1/_{10}$-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. The estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Permeability (K_{sat}) refers to the ability of a soil to transmit water or air. The term "permeability," as used in soil surveys, indicates saturated hydraulic conductivity (K_{sat}). The estimates in the table indicate the rate of water movement, in inches per hour, when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at $^1/_3$- or $^1/_{10}$-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and

swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. The estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of several factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and permeability. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are as follows:

1. Coarse sands, sands, fine sands, and very fine sands.
2. Loamy coarse sands, loamy sands, loamy fine sands, loamy very fine sands, ash material, and sapric soil material.
3. Coarse sandy loams, sandy loams, fine sandy loams, and very fine sandy loams.

4L. Calcareous loams, silt loams, clay loams, and silty clay loams.

4. Clays, silty clays, noncalcareous clay loams, and silty clay loams that are more than 35 percent clay.
5. Noncalcareous loams and silt loams that are less than 20 percent clay and sandy clay loams, sandy clays, and hemic soil material.
6. Noncalcareous loams and silt loams that are more than 20 percent clay and noncalcareous clay loams that are less than 35 percent clay.
7. Silts, noncalcareous silty clay loams that are less than 35 percent clay, and fibric soil material.
8. Soils that are not subject to wind erosion because of coarse fragments on the surface or because of surface wetness.

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Chemical Properties

The table "Chemical Properties of the Soils" shows estimates of some chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Cation-exchange capacity is the total amount of extractable bases that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. The ability to retain cations reduces the hazard of ground-water pollution.

Effective cation-exchange capacity refers to the sum of extractable bases plus aluminum expressed in terms of milliequivalents per 100 grams of soil. It is determined for soils that have pH of less than 5.5.

Soil reaction is a measure of acidity or alkalinity. The pH of each soil horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil

amendments for fertility and stabilization, and in determining the risk of corrosion.

Calcium carbonate equivalent is the percent of carbonates, by weight, in the fraction of the soil less than 2 millimeters in size. The availability of plant nutrients is influenced by the amount of carbonates in the soil. Incorporating nitrogen fertilizer into calcareous soils helps to prevent nitrite accumulation and ammonium-N volatilization.

Gypsum is expressed as a percent, by weight, of hydrated calcium sulfates in the fraction of the soil less than 20 millimeters in size. Gypsum is partially soluble in water. Soils that have a high content of gypsum may collapse if the gypsum is removed by percolating water.

Salinity is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

Sodium adsorption ratio (SAR) is a measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration. Soils that have SAR values of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced permeability and aeration, and a general degradation of soil structure.

Water Features

The table "Water Features" gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

The *months* in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. The table indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The "Water Features" table indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance

of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Soil Features

The table "Soil Features" gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel

or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low, moderate,* or *high,* is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low, moderate,* or *high.* It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
3F:												
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
Yawdim----------	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	5-18	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	18-22	Weathered bedrock			---	---	---	---	---	---	---	---
12E:												
Wabek----------	0-9	Gravelly sandy loam	ML, SM, GM, CL-ML	A-1, A-2, A-4	0	0-5	60-85	55-75	30-70	15-60	20-30	NP-10
	9-35	Gravelly sandy loam, gravelly loam, very gravelly sandy loam	SM, GM	A-1, A-4, A-2	0	0-5	40-65	40-60	25-55	15-40	---	NP
	35-60	Extremely gravelly loamy sand, very gravelly loamy sand, very gravelly sand	SP, GP, SP-SM, GP-GM	A-1	0	0-5	30-60	20-50	10-35	0-10	---	NP
14B:												
Alona----------	0-4	Silt loam	ML, CL-ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	4-10	Silty clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	10-19	Silty clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	19-60	Silty clay loam, loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
17F:												
Badland---------	---	---	---	---	---	---	---	---	---	---	---	---
18E:												
Cabbart---------	0-3	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-18	Loam, clay loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Havre----------	0-10	Loam	ML, CL-ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	10-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
19C:												
Archin----------	0-3	Loam	CL, CL-ML	A-4	0	0	100	100	85-95	60-75	20-30	5-10
	3-12	Clay loam, loam, sandy clay loam	CL	A-6	0	0	100	100	85-95	55-75	30-35	10-15
	12-60	Loam, clay loam, sandy clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	55-75	20-30	5-15
21C:												
Benz----------	0-4	Loam	ML	A-4	0	0	100	100	85-100	60-90	25-35	NP-10
	4-60	Stratified clay loam to sandy loam	CL	A-6	0	0	100	100	90-95	65-80	30-40	10-20
24B:												
Davidell--------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	5-9	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	9-29	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	29-60	Loam, silt loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
25A:												
Marias----------	0-5	Clay	CL, CH	A-7	0	0	100	100	90-100	75-95	40-70	25-50
	5-30	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-70	25-50
	30-60	Clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	75-95	40-70	25-50
27A:												
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
27C:												
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	SM, ML	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
30C:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
30C: (cont.)												
Havre	0-9	Loam	ML, CL-ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
31A:												
Ryell	0-6	Very fine sandy loam	SM, ML	A-4	0	0	100	100	70-85	40-55	---	NP
	6-28	Stratified very fine sandy loam to silt loam	ML	A-4	0	0	100	95-100	85-95	60-85	25-35	NP-5
	28-60	Extremely gravelly loamy sand, very gravelly sand, extremely gravelly sand	GP, GP-GM	A-1	0	0-5	30-45	20-35	10-25	0-10	---	NP
33A:												
Chanta	0-6	Loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	60-75	20-30	5-15
	6-18	Loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-95	50-75	20-30	5-15
	18-27	Loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-95	50-75	20-30	5-15
	27-60	Very gravelly sand	GM, GP-GM	A-1	0	0	40-55	30-50	15-35	5-15	---	NP-5
34C:												
Tally	0-4	Fine sandy loam	CL-ML, SM, ML, SC-SM	A-2, A-4	0	0	90-100	80-100	60-100	30-55	20-30	NP-10
	4-16	Fine sandy loam, sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-100	25-50	15-25	NP-10
	16-60	Sandy loam, fine sandy loam, loamy fine sand	SM	A-2, A-4	0	0	90-100	80-100	60-100	15-50	15-25	NP-5
35C:												
Chinook	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-13	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	13-38	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	38-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
37B:												
Degrand	0-7	Loam	ML, SM	A-4	---	0-5	85-100	80-100	60-85	40-60	25-35	NP-10
	7-16	Sandy clay loam, clay loam	CL-ML, CL, SC, SC-SM	A-4, A-6	---	0-5	85-100	80-100	50-90	35-80	25-40	5-15
	16-31	Clay loam, loam, sandy loam	ML, SM	A-4	---	0-5	85-100	80-100	55-85	40-70	20-35	NP-10
	31-60	Sand, gravelly sand, loamy sand	SP, SM, SP-SM	A-1, A-3, A-2	---	0-5	65-100	55-100	25-70	0-15	---	NP

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
39A:												
Ethridge--------	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	25-45	10-20
	4-11	Silty clay, silty clay loam, clay	CL	A-7	0	0	100	95-100	95-100	90-95	40-50	20-30
	11-20	Clay loam, silty clay loam, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-50	15-30
	20-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	30-50	10-25
39C:												
Ethridge--------	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	25-45	10-20
	4-11	Silty clay, silty clay loam, clay	CL	A-7	0	0	100	95-100	95-100	90-95	40-50	20-30
	11-20	Clay loam, silty clay loam, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-50	15-30
	20-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	30-50	10-25
40A:												
Savage----------	0-6	Silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	90-100	75-95	25-40	5-15
	6-15	Clay, silty clay, silty clay loam	CL	A-6, A-7	0	0	95-100	95-100	85-100	75-95	35-50	15-30
	15-60	Silty clay, silty clay loam, clay	CL	A-6, A-7	0	0-5	90-100	85-100	75-100	65-95	30-50	10-30
40C:												
Savage----------	0-6	Silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	90-100	75-95	25-40	5-15
	6-15	Clay, silty clay, silty clay loam	CL	A-6, A-7	0	0	95-100	95-100	85-100	75-95	35-50	15-30
	15-60	Silty clay, silty clay loam, clay	CL	A-6, A-7	0	0-5	90-100	85-100	75-100	65-95	30-50	10-30
41A:												
Eapa----------	0-6	Loam	CL, ML	A-6, A-4, A-7	0	0-5	95-100	85-100	80-95	55-85	30-45	7-20
	6-13	Clay loam, loam	CL, ML	A-6, A-7	0	0-5	95-100	85-100	75-95	55-85	35-50	10-25
	13-23	Loam, sandy clay loam, clay loam	CL	A-4, A-7, A-6	0	0-5	95-100	85-100	75-95	55-85	30-45	8-20
	23-60	Loam, clay loam	CL	A-4, A-6, A-7	0	0-5	95-100	80-100	75-95	50-80	30-45	8-20
41C:												
Eapa----------	0-6	Loam	CL, ML	A-4, A-7, A-6	0	0-5	95-100	85-100	80-95	55-85	30-45	7-20
	6-13	Clay loam, loam	CL, ML	A-6, A-7	0	0-5	95-100	85-100	75-95	55-85	35-50	10-25
	13-23	Loam, sandy clay loam, clay loam	CL	A-6, A-4, A-7	0	0-5	95-100	85-100	75-95	55-85	30-45	8-20
	23-60	Loam, clay loam	CL	A-4, A-6, A-7	0	0-5	95-100	80-100	75-95	50-80	30-45	8-20

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
43F:												
Abor----------	0-5	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	5-23	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	23-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Lilsheep--------	0-7	Very gravelly loam	GC-GM	A-2, A-4	---	0-10	40-50	35-45	25-45	15-40	20-30	5-10
	7-43	Very gravelly sandy loam, very gravelly sandy clay loam, very gravelly loam	GC-GM	A-2	---	0-10	40-65	30-55	25-50	20-30	20-30	5-10
	43-60	Weathered bedrock			---	---	---	---	---	---	---	---
44A:												
Farnuf----------	0-5	Loam	CL-ML, ML	A-4	0	0	80-100	75-100	60-100	55-80	20-30	NP-10
	5-25	Clay loam, loam, silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	50-90	25-40	10-20
	25-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	80-100	75-100	65-95	50-80	25-35	5-15
44C:												
Farnuf----------	0-5	Loam	ML, CL-ML	A-4	0	0	80-100	75-100	60-100	55-80	20-30	NP-10
	5-25	Clay loam, loam, silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	50-90	25-40	10-20
	25-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	80-100	75-100	65-95	50-80	25-35	5-15
45A:												
Glendive--------	0-4	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	65-85	30-55	15-20	NP-5
	4-60	Loam, silt loam, sandy loam	CL-ML, ML, SM, SC-SM	A-4	0	0	100	100	65-95	40-70	15-25	NP-10
46A:												
Hanly----------	0-5	Loamy fine sand	SM	A-2	0	0	100	100	50-75	15-30	---	NP
	5-60	Stratified fine sandy loam to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-85	5-25	---	NP
47A:												
Harlake---------	0-8	Silty clay	CH, CL	A-7	0	0	100	100	90-100	75-90	40-65	20-40
	8-41	Stratified clay to silt loam	CH, CL	A-7	0	0	100	100	95-100	85-95	40-70	15-45
	41-60	Stratified silty clay loam to fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	60-75	20-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
50C:												
Kremlin---------	0-8	Loam	CL-ML	A-4	0	0	95-100	90-100	75-95	50-75	25-30	5-10
	8-15	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
	15-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
51C:												
Shambo----------	0-7	Loam	CL-ML	A-4	0	0	100	100	85-100	65-90	25-30	5-10
	7-12	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-100	65-90	25-35	5-15
	12-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	65-95	25-35	5-15
52A:												
Sagedale--------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	10-20
	5-16	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
	16-24	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
	24-60	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
52C:												
Sagedale--------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	10-20
	5-16	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
	16-24	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
	24-60	Silty clay loam, silty clay, gravelly clay loam	CL	A-6, A-7	0	0	75-100	70-100	65-100	60-95	35-45	15-25
53A:												
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
53C:												
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
53D:												
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
56A:												
Cherry----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	4-33	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	33-60	Silt loam, silty clay loam, clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	90-100	75-95	25-40	5-15
56C:												
Cherry----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	4-33	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	33-60	Silt loam, silty clay loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	75-95	25-40	5-15
57A:												
Lonna----------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	6-16	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
57C:												
Lonna----------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15
59C:												
Farland----------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	95-100	75-90	25-30	5-10
	6-13	Silty clay loam, clay loam	CL	A-6	0	0	100	100	95-100	75-90	30-40	10-20
	13-45	Loam, silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	70-90	25-40	5-20
	45-60	Loam, silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	70-90	25-40	5-20
60A:												
Golva----------	0-5	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	70-85	25-40	5-20
	5-60	Silt loam, silty clay loam, loam	CL, ML	A-6, A-4, A-7	0	0	100	100	90-100	70-100	30-50	5-25
60C:												
Golva----------	0-5	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	90-100	70-85	25-40	5-20
	5-60	Silt loam, silty clay loam, loam	ML, CL	A-4, A-7, A-6	0	0	100	100	90-100	70-100	30-50	5-25
61A:												
Marias----------	0-5	Silty clay	CH, CL	A-7	0	0	100	100	95-100	90-95	40-60	20-40
	5-30	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-70	25-50
	30-60	Clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	75-95	40-70	25-50
62A:												
Marvan----------	0-3	Silty clay	CH, CL	A-7	0	0	100	100	95-100	85-100	40-65	20-45
	3-34	Clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	75-100	45-70	25-50
	34-60	Clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	75-100	45-70	25-50
62C:												
Marvan----------	0-3	Silty clay	CL, CH	A-7	0	0	100	100	95-100	85-100	40-65	20-45
	3-34	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-100	45-70	25-50
	34-60	Clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	75-100	45-70	25-50

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
64A:												
Pinehill--------	0-5	Loam	CL-ML	A-4	0	0	100	100	70-90	60-80	25-30	5-10
	5-26	Clay loam, silty clay loam, clay	CL, CH	A-7	0	0	100	100	80-95	75-90	45-55	25-35
	26-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	70-90	65-85	25-35	5-15
64C:												
Pinehill--------	0-5	Loam	CL-ML	A-4	0	0	100	100	70-90	60-80	25-30	5-10
	5-26	Clay loam, silty clay loam, clay	CH, CL	A-7	0	0	100	100	80-95	75-90	45-55	25-35
	26-60	Clay loam, loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	70-90	65-85	25-35	5-15
64D:												
Pinehill--------	0-5	Loam	CL-ML	A-4	0	0	100	100	70-90	60-80	25-30	5-10
	5-26	Clay loam, silty clay loam, clay	CH, CL	A-7	0	0	100	100	80-95	75-90	45-55	25-35
	26-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	70-90	65-85	25-35	5-15
67A:												
Riverwash-------	---	---	---	---	---	---	---	---	---	---	---	---
75C:												
Weingart--------	0-7	Clay loam	CL	A-6, A-7	0	0	90-100	90-100	65-90	60-85	30-45	10-25
	7-9	Clay, silty clay	CH, CL	A-7	0	0	90-100	90-100	80-100	75-95	40-65	20-40
	9-12	Clay, silty clay, clay loam	CL, CH	A-6, A-7	0	0	90-100	90-100	75-100	70-90	35-60	15-35
	12-30	Silty clay, clay loam, silty clay loam	CL, SC, CH, GC	A-6, A-7	0	0	60-95	55-90	50-85	45-80	35-60	15-35
	30-34	Unweathered bedrock			---	---	---	---	---	---	---	---
Ivanell---------	0-7	Clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	7-12	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	12-21	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	21-33	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
76B:												
Vanstel---------	0-3	Loam	CL-ML	A-4	0	0	100	100	95-100	75-85	20-30	5-10
	3-13	Loam, clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	13-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-35	5-15
76C:												
Vanstel---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	95-100	75-85	20-30	5-10
	3-13	Loam, clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	13-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-35	5-15
77A:												
Havre----------	0-9	Loam	CL-ML, ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
Bigsandy--------	0-3	Loam	CL-ML	A-4	0	0	100	100	85-95	60-85	25-30	5-10
	3-60	Stratified fine sandy loam to silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-100	50-90	25-40	5-15
79A:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
79C:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
79D:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
81A:												
Creed----------	0-7	Loam	SC-SM, CL-ML	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
81C:												
Creed----------	0-7	Loam	SC-SM, CL-ML	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
85C:												
Foreleft--------	0-4	Loam	CL-ML	A-4	0	0	100	100	85-95	60-75	25-30	5-10
	4-21	Clay loam	CL	A-6	0	0	100	100	85-95	65-80	30-35	10-15
	21-60	Loam, clay loam, silt loam	CL-ML	A-4	0	0	100	100	85-95	60-75	25-30	5-10
88A:												
Floweree--------	0-7	Silt loam	ML	A-4	0	0	100	100	90-100	70-90	20-35	NP-10
	7-16	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
	16-60	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
88C:												
Floweree--------	0-7	Silt loam	ML	A-4	0	0	100	100	90-100	70-90	20-35	NP-10
	7-16	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
	16-60	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
90A:												
Sonnett---------	0-6	Loam	CL-ML	A-4	0	0	100	95-100	70-90	60-80	20-30	5-10
	6-14	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	14-25	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	25-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
90C:												
Sonnett---------	0-6	Loam	CL-ML	A-4	0	0	100	95-100	70-90	60-80	20-30	5-10
	6-14	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	14-25	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	25-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15
93B:												
Brushton--------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	6-18	Silty clay loam	CL	A-6	0	0	100	100	85-95	80-90	30-40	10-20
	18-60	Silt loam, loam, very fine sandy loam	ML	A-4	0	0	100	100	75-90	60-80	30-40	5-10
98A:												
Macar----------	0-3	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	3-11	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	11-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
98C:												
Macar----------	0-3	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	3-11	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	11-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
112C:												
Absher----------	0-5	Silty clay loam	CL	A-6	0	0	95-100	75-100	70-100	60-90	25-40	10-20
	5-9	Silty clay, clay, clay loam	CH, CL	A-7	0	0	95-100	75-100	70-100	60-95	40-60	20-40
	9-60	Clay loam, clay, silty clay	CH, CL	A-7	0	0	95-100	75-100	70-100	60-95	40-55	20-35
121D:												
Kremlin---------	0-8	Loam	CL-ML	A-4	0	0	95-100	90-100	75-95	50-75	25-30	5-10
	8-15	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
	15-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
Tinsley---------	0-6	Very gravelly sandy loam	GM	A-1, A-2	---	0-15	40-65	30-50	20-45	15-35	15-20	NP-5
	6-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GP-GM, SM, GM, SP-SM	A-1	---	10-40	40-70	25-55	10-35	5-15	---	NP

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
121D: (cont.)												
Degrand---------	0-7	Loam	ML, SM	A-4	---	0-5	85-100	80-100	60-85	40-60	25-35	NP-10
	7-16	Sandy clay loam, clay loam	CL-ML, CL, SC, SC-SM	A-4, A-6	---	0-5	85-100	80-100	50-90	35-80	25-40	5-15
	16-31	Clay loam, loam, sandy loam	ML, SM	A-4	---	0-5	85-100	80-100	55-85	40-70	20-35	NP-10
	31-60	Sand, gravelly sand, loamy sand	SM, SP-SM, SP	A-1, A-2, A-3	---	0-5	65-100	55-100	25-70	0-15	---	NP
122D:												
Tinsley---------	0-6	Very gravelly sandy loam	GM	A-1, A-2	0	0-15	40-65	30-50	20-45	15-35	15-20	NP-5
	6-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GM, GP-GM, SP-SM, SM	A-1	0-5	10-35	40-70	25-55	10-35	5-15	---	NP
Chanta----------	0-6	Loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	60-75	20-30	5-15
	6-18	Loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-95	50-75	20-30	5-15
	18-27	Loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-95	50-75	20-30	5-15
	27-60	Very gravelly sand	GM, GP-GM	A-1	0	0	40-55	30-50	15-35	5-15	---	NP-5
123F:												
Tinsley---------	0-6	Very gravelly sandy loam	GM	A-1, A-2	---	0-15	40-65	30-50	20-45	15-35	15-20	NP-5
	6-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GM, SP-SM, GP-GM, SM	A-1	---	10-40	40-70	25-55	10-35	5-15	---	NP
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
151F:												
Armells----------	0-6	Channery loam	GM, SC-SM, GC-GM, SM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	6-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GC-GM, GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Kirby----------	0-6	Very channery loam	GC-GM, GM	A-1, A-4, A-2	---	0-15	40-60	30-50	25-45	20-40	15-25	NP-10
	6-12	Extremely channery loam, extremely channery sandy loam, very channery loam	GM, GC-GM, GP-GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	12-16	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
191C:												
Archin----------	0-3	Loam	CL, CL-ML	A-4	0	0	100	100	85-95	60-75	20-30	5-10
	3-12	Clay loam, loam, sandy clay loam	CL	A-6	0	0	100	100	85-95	55-75	30-35	10-15
	12-60	Loam, clay loam, sandy clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	55-75	20-30	5-15
Gerdrum---------	0-3	Loam	CL-ML	A-4	0	0	80-100	75-100	60-90	50-80	25-30	5-10
	3-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
192C:												
Archin----------	0-3	Loam	CL-ML, CL	A-4	0	0	100	100	85-95	60-75	20-30	5-10
	3-12	Clay loam, loam, sandy clay loam	CL	A-6	0	0	100	100	85-95	55-75	30-35	10-15
	12-60	Loam, clay loam, sandy clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	85-95	55-75	20-30	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
192C: (cont.)												
Davidell---------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	5-9	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	9-29	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	29-60	Loam, silt loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
Bullock---------	0-4	Loam	CL-ML	A-4	0	0	100	100	85-95	50-65	20-25	5-10
	4-10	Clay loam	CL	A-6	0	0	100	100	90-95	70-80	30-35	10-15
	10-34	Loam, clay loam, sandy clay loam	CL	A-6	0	0	100	100	90-95	60-80	30-35	10-15
	34-60	Unweathered bedrock			---	---	---	---	---	---	---	---
222D:												
Floweree---------	0-7	Silt loam	ML	A-4	0	0	100	100	90-100	70-90	20-35	NP-10
	7-16	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
	16-60	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	85-95	25-40	5-15
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Lilsheep---------	0-7	Gravelly loam	GC-GM, CL-ML	A-4	---	0-10	60-80	55-75	45-70	35-60	20-30	5-10
	7-43	Very gravelly sandy loam, very gravelly sandy clay loam, very gravelly loam	GC-GM	A-2	---	0-10	40-65	30-55	25-50	20-30	20-30	5-10
	43-60	Weathered bedrock			---	---	---	---	---	---	---	---
228F:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
228F: (cont.)												
Lilsheep--------	0-7	Gravelly loam	CL-ML, GC-GM	A-4	---	0-10	60-80	55-75	45-70	35-60	20-30	5-10
	7-43	Very gravelly sandy loam, very gravelly sandy clay loam, very gravelly loam	GC-GM	A-2	---	0-10	40-65	30-55	25-50	20-30	20-30	5-10
	43-60	Weathered bedrock			---	---	---	---	---	---	---	---
Lonna----------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15
241B:												
Davidell--------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	5-9	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	9-29	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	29-60	Loam, silt loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
Antwerp---------	0-9	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	9-40	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	40-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
242C:												
Davidell--------	0-5	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	5-9	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	9-29	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	29-60	Loam, silt loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
242C: (cont.)												
Ivanell---------	0-7	Silt loam	CL-ML	A-4	0	0	100	100	85-95	70-80	25-30	5-10
	7-12	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	12-21	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	21-33	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---
271E:												
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
Blacksheep------	0-6	Fine sandy loam	ML, SM	A-4	0	0	100	100	65-85	40-60	15-20	NP-5
	6-16	Fine sandy loam, sandy loam, very fine sandy loam	ML, SM	A-4	0	0	100	90-100	65-85	35-60	15-20	NP-5
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
277D:												
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-60	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
278E:												
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
Yetull----------	0-6	Loamy fine sand	SM	A-2	0	0-5	95-100	95-100	50-75	10-30	---	NP
	6-60	Loamy coarse sand, sand, loamy sand	SM, SP-SM	A-2, A-1, A-3	0	0-5	95-100	95-100	45-70	5-30	---	NP
293E:												
Cambeth---------	0-4	Silt loam	ML, CL-ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	4-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	14-30	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-18	Loam, clay loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Kirby----------	0-4	Channery loam	CL-ML, SC-SM, GM, SM	A-4	0	0-10	65-85	55-75	45-65	40-60	15-25	NP-10
	4-12	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GM, GP-GM	A-1, A-2	0	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	12-60	Fragmental material	GP	A-1	0	40-60	5-15	0-10	0-5	0-5	---	NP
296F:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
296F: (cont.)												
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
297C:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Megonot---------	0-3	Silty clay loam	CL	A-6, A-7	0	0	95-100	85-100	85-100	75-100	35-45	15-25
	3-16	Silty clay loam, clay loam, silty clay	CL	A-6, A-7	0	0	85-100	75-100	75-90	65-90	35-45	15-25
	16-24	Silty clay loam, clay loam,	CL, GC	A-6, A-7	0	0	65-100	55-100	45-90	40-90	35-45	15-25
	24-60	Weathered bedrock			---	---	---	---	---	---	---	---
297D:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Megonot---------	0-3	Silty clay loam	CL	A-6, A-7	0	0	95-100	85-100	85-100	75-100	35-45	15-25
	3-16	Silty clay loam, clay loam, silty clay	CL	A-6, A-7	0	0	85-100	75-100	75-90	65-90	35-45	15-25
	16-24	Silty clay loam, clay loam,	CL, GC	A-6, A-7	0	0	65-100	55-100	45-90	40-90	35-45	15-25
	24-60	Weathered bedrock			---	---	---	---	---	---	---	---
297E:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
297E: (cont.)												
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	5-18	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	18-22	Weathered bedrock			---	---	---	---	---	---	---	---
311A:												
Ryell----------	0-6	Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-80	25-30	5-10
	6-28	Stratified very fine sandy loam to silt loam	ML	A-4	0	0	100	95-100	85-95	60-80	20-25	NP-5
	28-60	Extremely gravelly loamy sand, very gravelly sand, extremely gravelly sand	GP, GP-GM	A-1	---	0-5	30-50	20-45	10-30	0-10	---	NP
341D:												
Tally----------	0-4	Fine sandy loam	ML, CL-ML, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-100	30-55	20-30	NP-10
	4-16	Fine sandy loam, sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-100	25-50	15-25	NP-10
	16-60	Sandy loam, fine sandy loam, loamy fine sand	SM	A-2, A-4	0	0	90-100	80-100	60-100	15-50	15-25	NP-5
Vebar----------	0-5	Fine sandy loam	ML, SC-SM, CL-ML, SM	A-2, A-4	0	0	100	100	60-85	30-55	20-25	NP-5
	5-12	Fine sandy loam, sandy loam, loam	ML, SC-SM, CL-ML, SM	A-2, A-4	0	0	100	100	60-85	30-55	20-25	NP-5
	12-35	Fine sandy loam, loamy fine sand, sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-85	30-55	---	NP
	35-60	Weathered bedrock			---	---	---	---	---	---	---	---
342C:												
Tally----------	0-4	Fine sandy loam	CL-ML, ML, SM, SC-SM	A-2, A-4	0	0	90-100	80-100	60-100	30-55	20-30	NP-10
	4-16	Fine sandy loam, sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-100	25-50	15-25	NP-10
	16-60	Sandy loam, fine sandy loam, loamy fine sand	SM	A-2, A-4	0	0	90-100	80-100	60-100	15-50	15-25	NP-5

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
342C: (cont.)												
Shambo----------	0-7	Loam	CL-ML	A-4	0	0	100	100	85-100	65-90	25-30	5-10
	7-12	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-100	65-90	25-35	5-15
	12-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	65-95	25-35	5-15
352D:												
Chinook---------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-13	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	13-38	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	38-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
353C:												
Chinook---------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-13	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	13-38	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	38-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
Kremlin---------	0-8	Loam	CL-ML	A-4	0	0	95-100	90-100	75-95	50-75	25-30	5-10
	8-15	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
	15-62	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
355C:												
Chinook---------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-13	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	13-38	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	38-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
Eapa----------	0-6	Loam	CL, ML	A-4, A-6, A-7	0	0-5	95-100	85-100	80-95	55-85	30-45	7-20
	6-13	Clay loam, loam	CL, ML	A-6, A-7	0	0-5	95-100	85-100	75-95	55-85	35-50	10-25
	13-23	Loam, sandy clay loam, clay loam	CL	A-6, A-4, A-7	0	0-5	95-100	85-100	75-95	55-85	30-45	8-20
	23-60	Loam, clay loam	CL	A-4, A-6, A-7	0	0-5	95-100	80-100	75-95	50-80	30-45	8-20
357D:												
Chinook---------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-13	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	13-38	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	38-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
Lihen----------	0-12	Loamy fine sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-30	---	NP
	12-60	Loamy fine sand, loamy sand, sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-35	---	NP
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
361E:												
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Broadus---------	0-4	Loam	CL-ML	A-4	0	0	100	100	80-95	60-80	25-30	5-10
	4-10	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	25-40	5-20
	10-40	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	25-40	5-20
	40-60	Loam, silt loam, fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	20-35	5-20
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---
381F:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Armells---------	0-6	Channery loam	GM, GC-GM, SC-SM, SM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	6-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GC-GM, GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10
383F:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
383F: (cont.)												
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	5-18	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	18-60	Weathered bedrock			---	---	---	---	---	---	---	---
385E:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-17	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	17-28	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yamacall--------	0-5	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	5-11	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	11-48	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
	48-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-18	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
386F:												
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
386F: (cont.)												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
387D:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
Blacksheep------	0-6	Fine sandy loam	ML, SM	A-4	0	0	100	100	65-85	40-60	15-20	NP-5
	6-16	Fine sandy loam, sandy loam, very fine sandy loam	ML, SM	A-4	0	0	100	90-100	65-85	35-60	15-20	NP-5
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
388D:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-6, A-4	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
388D: (cont.)												
Yawdim----------	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	5-18	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	18-60	Weathered bedrock			---	---	---	---	---	---	---	---
421A:												
Gerdrum---------	0-3	Silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	3-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
Creed----------	0-7	Loam	CL-ML, SC-SM	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
421C:												
Gerdrum---------	0-3	Silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	3-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
Creed----------	0-7	Loam	CL-ML, SC-SM	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
421D:												
Gerdrum---------	0-3	Silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	3-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CL, CH, SC	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
421D: (cont.)												
Creed	0-7	Loam	CL-ML, SC-SM	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
432D:												
Slickspots	---	---	---	---	---	---	---	---	---	---	---	---
Abor	0-5	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	5-23	Silty clay, clay, silty clay loam	CL, CH	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	23-60	Unweathered bedrock			---	---	---	---	---	---	---	---
451A:												
Glendive	0-4	Fine sandy loam	ML, CL-ML, SC-SM, SM	A-2, A-4	0	0	100	100	65-85	30-55	20-30	NP-10
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
452A:												
Glendive	0-4	Loam	CL-ML, ML	A-4	0	0	100	100	75-95	65-80	20-30	NP-10
	4-60	Loam, silt loam, sandy loam	ML, SM	A-4	0	0	100	100	65-95	40-70	15-25	NP-5
453A:												
Glendive	0-4	Fine sandy loam	CL-ML, SM, ML, SC-SM	A-2, A-4	0	0	100	100	65-85	30-55	20-30	NP-10
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
Havre	0-9	Loam	CL-ML, ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
456A:												
Havre	0-9	Loam	CL-ML, ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
Glendive	0-4	Fine sandy loam	ML, SC-SM, CL-ML, SM	A-2, A-4	0	0	100	100	65-85	30-55	20-30	NP-10
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
461A:												
Hanly----------	0-5	Loamy fine sand	SM	A-2	0	0	100	100	50-75	15-30	---	NP
	5-60	Stratified fine sandy loam to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-85	5-25	---	NP
462A:												
Hanly----------	0-5	Loamy fine sand	SM	A-2	0	0	100	100	50-75	15-30	---	NP
	5-60	Stratified fine sandy loam to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-85	5-25	---	NP
Glendive--------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	100	100	60-80	30-50	15-25	NP-5
	4-60	Loam, silt loam, sandy loam	CL-ML, ML, SM, SC-SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
471A:												
Harlake---------	0-8	Silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-65	20-40
	8-60	Stratified clay to silt loam	CH, CL	A-7	0	0	100	100	95-100	85-95	40-65	20-40
473A:												
Lallie----------	0-6	Silty clay	CH, CL	A-7	0	0	100	95-100	90-100	85-100	40-95	20-60
	6-60	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	95-100	90-100	85-100	40-95	20-60
481A:												
Havre----------	0-9	Loam	CL-ML, ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
483A:												
Havre----------	0-9	Silty clay	CH, CL	A-6, A-7	0	0	100	100	85-100	75-95	35-55	15-30
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
486A:												
Glendive--------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	100	100	60-80	30-50	15-25	NP-5
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
Havre----------	0-9	Loam	CL-ML	A-4	0	0	100	100	80-95	60-90	20-30	5-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-80	20-35	5-15
487A:												
Havre----------	0-9	Loam	CL-ML	A-4	0	0	100	100	80-95	60-90	20-30	5-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-80	20-35	5-15
Harlake---------	0-8	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	80-90	30-45	10-20
	8-60	Stratified clay to silt loam	CH, CL	A-7	0	0	100	100	95-100	85-95	40-70	15-45

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
488A:												
Havre----------	0-9	Silty clay loam	CL	A-6	0	0	100	100	85-100	75-95	25-40	10-20
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
489A:												
Spinekop--------	0-6	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	10-20
	6-11	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	11-18	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	65-90	25-35	5-15
	18-60	Loam, clay loam	CL-ML	A-4	0	0	100	100	85-95	65-75	25-30	5-10
491A:												
Ismay----------	0-4	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	10-20
	4-30	Silty clay loam, silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	30-60	Stratified silty clay loam to very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
501C:												
Kremlin---------	0-8	Loam	CL-ML	A-4	0	0	95-100	90-100	75-95	50-75	25-30	5-10
	8-15	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
	15-62	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
511C:												
Shambo----------	0-7	Loam	CL-ML	A-4	0	0	100	100	85-100	65-90	25-30	5-10
	7-12	Loam, silt loam, clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	85-100	65-90	25-35	5-15
	12-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	65-95	25-35	5-15
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
531D:												
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
532C:												
Kobase----------	0-8	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	8-18	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	18-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
Gerdrum---------	0-3	Silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	3-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
534C:												
Marias----------	0-5	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-70	25-50
	5-30	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-70	25-50
	30-60	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	40-70	25-50
542E:												
Lihen----------	0-12	Loamy sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-30	---	NP
	12-60	Loamy fine sand, loamy sand, sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-35	---	NP
Yetull----------	0-6	Very gravelly loamy sand	GM	A-1, A-2	---	0-10	35-55	30-50	20-45	10-30	---	NP
	6-60	Sand, loamy sand, coarse sand	SM, SP-SM	A-2, A-1, A-3	---	0-10	95-100	95-100	40-65	5-30	---	NP
552D:												
Neldore---------	0-3	Silty clay	CH, CL	A-7	0	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	3-14	Clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	70-95	65-90	40-60	20-40
	14-18	Clay, silty clay	CH, CL	A-7	0	0-5	85-100	80-100	65-95	60-90	40-60	20-40
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Abor----------	0-5	Clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	5-23	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	23-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
552D: (cont.)												
Marvan----------	0-3	Silty clay	CH, CL	A-7	0	0	100	100	95-100	85-100	40-65	20-45
	3-34	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-100	45-70	25-50
	34-60	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-100	45-70	25-50
554E:												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Weingart--------	0-7	Clay loam	CL	A-6, A-7	0	0	90-100	90-100	65-90	60-85	30-45	10-25
	7-9	Clay, silty clay	CH, CL	A-7	0	0	90-100	90-100	80-100	75-95	40-65	20-40
	9-12	Clay, silty clay, clay loam	CH, CL	A-6, A-7	0	0	90-100	90-100	75-100	70-90	35-60	15-35
	12-30	Silty clay loam, silty clay, clay loam	CH, CL, SC, GC	A-6, A-7	0	0	60-95	55-90	50-85	45-80	35-60	15-35
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
561C:												
Cherry----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	4-33	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	33-60	Silt loam, silty clay loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	75-95	25-40	5-15
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-18	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	18-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---
562D:												
Cherry----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	4-33	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	33-60	Silt loam, silty clay loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	75-95	25-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
562D: (cont.)												
Cambert	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-18	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	18-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabba	0-3	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-12	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
573D:												
Lonna	0-6	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15
Cambeth	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
Yamacall	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
574E:												
Lonna	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	3-10	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	10-30	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	30-60	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
574E: (cont.)												
Cambeth---------	0-4	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	4-14	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	14-30	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-18	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
575C:												
Lonna----------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
576A:												
Lonna----------	0-6	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
576C:												
Lonna----------	0-6	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	6-16	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	16-31	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	31-60	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-35	5-15
577D:												
Lonna----------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	3-10	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	10-30	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	30-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
Cambeth---------	0-4	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	4-14	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	14-30	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-16	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
581C:												
Ivanell---------	0-7	Silt loam	CL-ML	A-4	0	0	100	100	85-95	70-80	25-30	5-10
	7-12	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	12-21	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	21-33	Clay loam, silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-35	10-15
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
581C: (cont.)												
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
602C:												
Bonfri----------	0-4	Loam	CL-ML	A-4	0	0	95-100	95-100	85-100	65-85	25-30	5-10
	4-18	Clay loam, silty clay loam, sandy clay loam	CL	A-6	0	0	95-100	95-100	85-100	65-85	30-40	10-15
	18-32	Clay loam, loam, sandy clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	70-95	50-75	25-35	5-15
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
603D:												
Busby----------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	4-14	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	14-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
604E:												
Busby----------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	4-12	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	12-46	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	46-60	Loamy fine sand, loamy sand, fine sandy loam	SM	A-2, A-4	0	0	100	100	60-85	20-50	15-25	NP-5
Delpoint--------	0-5	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	5-19	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	19-29	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	29-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-3	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	3-15	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	15-60	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
605D:												
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-12	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-9	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	9-38	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	38-60	Unweathered bedrock			---	---	---	---	---	---	---	---
607C:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-9	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	9-38	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	38-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-12	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
608C:												
Chinook---------	0-12	Sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-75	30-50	15-25	NP-5
	12-60	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
612F:												
Kirby----------	0-6	Channery loam	GM, CL-ML, SC-SM, SM	A-4	---	0-10	65-85	55-75	45-65	40-60	15-25	NP-10
	6-14	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GM, GP-GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	14-60	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
Blacksheep------	0-4	Fine sandy loam	ML, SM	A-4	0	0-5	90-100	85-100	60-85	35-55	15-25	NP-5
	4-12	Fine sandy loam, sandy loam, very fine sandy loam	SM	A-4	0	0-5	90-100	85-100	60-80	35-50	15-25	NP-5
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
613C:												
Kremlin---------	0-8	Loam	CL-ML	A-4	0	0	95-100	90-100	75-95	50-75	25-30	5-10
	8-14	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
	14-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	75-95	55-80	25-35	5-15
Cabbart---------	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-12	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
615C:												
Yamacall--------	0-3	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	3-12	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	12-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Havre----------	0-7	Loam	CL-ML	A-4	0	0	100	100	80-95	60-90	20-30	5-10
	7-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-80	20-35	5-15
621B:												
Marvan----------	0-3	Silty clay	CH, CL	A-7	0	0	100	100	95-100	85-100	40-65	20-45
	3-34	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-100	45-70	25-50
	34-60	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-100	45-70	25-50
Vanda----------	0-8	Silty clay	CH, CL	A-7	0	0	100	100	95-100	75-95	40-65	20-45
	8-60	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0	0	100	100	95-100	80-95	35-65	15-45
631F:												
Bitton----------	0-10	Channery loam	CL-ML, GM, SM, ML	A-4	0	0-10	70-85	60-75	50-65	40-60	20-30	NP-10
	10-60	Very gravelly loam, very channery loam, extremely channery loam	GC-GM, GM	A-1, A-2, A-4	0	0-25	30-60	20-50	15-45	15-40	20-30	NP-10
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
631F: (cont.)												
Ringling--------	0-7	Very channery loam	GM	A-1, A-2	0	10-25	35-60	25-50	20-40	15-35	20-30	NP-5
	7-30	Very channery loam, extremely channery loam	GM	A-1, A-2	0	10-40	25-60	15-50	15-40	10-35	20-30	NP-5
	30-60	Fragmental material	GP	A-1	0	80-85	15-25	5-10	0-5	0-5	---	NP
641D:												
Pinehill--------	0-5	Loam	CL-ML	A-4	0	0	100	100	70-90	60-80	25-30	5-10
	5-26	Clay loam, silty clay loam, clay	CH, CL	A-7	0	0	100	100	80-95	75-90	45-55	25-35
	26-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	70-90	65-85	25-35	5-15
Absher----------	0-5	Clay loam	CL	A-6	0	0	95-100	75-100	70-100	60-90	25-40	10-20
	5-9	Silty clay, clay, clay loam	CH, CL	A-7	0	0	95-100	75-100	70-100	60-95	40-60	20-40
	9-60	Clay loam, clay, silty clay	CH, CL	A-7	0	0	95-100	75-100	70-100	60-95	40-55	20-35
650F:												
Armells---------	0-5	Channery loam	GC-GM, GM, SM, SC-SM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	5-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GC-GM, GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10
Delpoint--------	0-4	Loam	CL-ML	A-4	---	0	95-100	90-100	75-90	55-75	20-30	5-10
	4-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-16	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
651C:												
Busby----------	0-6	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	6-15	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	15-46	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	46-60	Loamy fine sand, loamy sand, fine sandy loam	SM	A-2, A-4	0	0	100	100	60-85	20-50	15-25	NP-5

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
651C: (cont.)												
Twilight--------	0-6	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	6-22	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	22-32	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	32-36	Weathered bedrock			---	---	---	---	---	---	---	---
Blacksheep------	0-6	Fine sandy loam	ML, SM	A-4	0	0	100	100	65-85	40-60	15-20	NP-5
	6-17	Fine sandy loam, sandy loam, very fine sandy loam	ML, SM	A-4	0	0	100	90-100	65-85	35-60	15-20	NP-5
	17-21	Unweathered bedrock			---	---	---	---	---	---	---	---
652C:												
Chinook---------	0-3	Fine sandy loam	SM	A-4	---	0	100	100	70-85	35-50	15-25	NP-5
	3-12	Fine sandy loam	SM	A-4	---	0	100	100	70-85	35-50	15-25	NP-5
	12-40	Fine sandy loam	SM	A-4	---	0	100	100	70-85	35-50	15-25	NP-5
	40-52	Fine sandy loam	SM	A-4	---	0	100	100	70-85	35-50	15-25	NP-5
	52-60	Loam, sandy clay loam	CL, CL-ML, SC-SM, SC	A-4, A-6	---	0	85-100	75-100	55-95	35-75	25-35	5-15
653B:												
Davidell--------	0-8	Loam	CL-ML	A-4	---	0	100	100	95-100	80-90	25-30	5-10
	8-30	Clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	30-60	Loam, silt loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
654B:												
Eapa----------	0-6	Loam	CL, ML	A-6, A-4, A-7	0	0-5	95-100	85-100	80-95	55-85	30-45	7-20
	6-13	Clay loam, loam	CL, ML	A-6, A-7	0	0-5	95-100	85-100	75-95	55-85	35-50	10-25
	13-23	Loam, sandy clay loam, clay loam	CL	A-4, A-7, A-6	0	0-5	95-100	85-100	75-95	55-85	30-45	8-20
	23-60	Loam, clay loam	CL	A-6, A-4, A-7	0	0-5	95-100	80-100	75-95	50-80	30-45	8-20
656A:												
Gerdrum---------	0-7	Clay loam	CL	A-6	---	0	80-100	75-100	65-95	60-90	25-40	10-20
	7-18	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0	90-100	90-100	85-100	75-95	40-60	20-40
	18-60	Clay loam, sandy clay loam, clay	CL, CH, SC	A-6, A-7	---	0	90-100	90-100	80-95	45-75	35-55	15-35
657C:												
Gerdrum---------	0-7	Clay loam	CL	A-6	---	0	80-100	75-100	65-95	60-90	25-40	10-20
	7-23	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0	90-100	90-100	85-100	75-95	40-60	20-40
	23-60	Clay loam, sandy clay loam, clay	CL, CH, SC	A-6, A-7	---	0	90-100	90-100	80-95	45-75	35-55	15-35

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
658C:												
Gerdrum---------	0-7	Silty clay	CH, CL	A-7	---	0	90-100	90-100	85-100	75-95	40-55	15-30
	7-22	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0	90-100	90-100	85-100	75-95	40-60	20-40
	22-60	Clay loam, sandy clay loam, clay	CH, CL, SC	A-6, A-7	---	0	90-100	90-100	80-95	45-75	35-55	15-35
Marvan----------	0-3	Silty clay	CH, CL	A-7	---	0	100	100	95-100	85-100	40-65	20-45
	3-28	Clay, silty clay	CH, CL	A-7	---	0	100	100	90-100	75-100	45-70	25-50
	28-60	Clay, silty clay	CH, CL	A-7	---	0	100	100	90-100	75-100	45-70	25-50
659A:												
Glendive--------	0-4	Loam	ML	A-4	---	0	100	100	75-95	65-90	25-35	NP-10
	4-17	Loam, silt loam, sandy loam	CL-ML, SM, ML, SC-SM	A-4	---	0	100	100	65-95	40-70	15-30	NP-10
	17-60	Stratified loamy fine sand to silt loam	SC-SM, SM	A-2, A-4	---	0	95-100	75-100	60-80	25-50	15-25	NP-10
660A:												
Hanly----------	0-7	Loam	ML	A-4	---	0	100	100	85-95	60-75	25-35	NP-10
	7-60	Stratified fine sandy loam to sand	SM, SP-SM	A-2, A-3	---	0	100	100	50-85	5-25	---	NP
Glendive--------	0-8	Loam	ML	A-4	---	0	100	100	75-95	65-90	25-35	NP-10
	8-60	Stratified loamy fine sand to silt loam	SC-SM, SM	A-2, A-4	---	0	95-100	75-100	60-80	25-50	15-25	NP-10
661A:												
Havre----------	0-12	Silty clay loam	CL	A-6	---	0	100	100	90-100	70-85	25-40	10-20
	12-60	Stratified fine sandy loam to clay loam	CL-ML, ML	A-4	---	0	100	100	75-100	50-70	15-25	NP-10
662F:												
Neldore---------	0-2	Silty clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	2-12	Clay, silty clay	CH, CL	A-7	---	0	90-100	85-100	70-95	65-90	40-60	20-40
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Abor----------	0-3	Silty clay	CH, CL	A-7	---	0	95-100	90-100	80-100	75-95	40-60	20-35
	3-28	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	---	0	80-100	75-100	65-100	60-95	35-65	20-45
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
663F:												
Neldore---------	0-3	Silty clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	3-14	Clay, silty clay	CH, CL	A-7	---	0	90-100	85-100	70-95	65-90	40-60	20-40
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Abor----------	0-4	Silty clay	CH, CL	A-7	---	0	95-100	90-100	80-100	75-95	40-60	20-35
	4-28	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	---	0	80-100	75-100	65-100	60-95	35-65	20-45
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
664F:												
Neldore---------	0-2	Silty clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	2-10	Clay, silty clay	CH, CL	A-7	---	0	90-100	85-100	70-95	65-90	40-60	20-40
	10-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
665F:												
Tinsley---------	0-7	Very gravelly sandy loam	GM	A-1, A-2	---	0-15	40-65	30-50	20-45	15-35	15-20	NP-5
	7-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GM, SP-SM, GP-GM, SM	A-1	---	10-40	40-70	25-55	10-35	5-15	---	NP
Cabbart---------	0-3	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-17	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	17-60	Unweathered bedrock			---	---	---	---	---	---	---	---
666C:												
Neldore---------	0-2	Silty clay	CH, CL	A-7	0	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	2-14	Clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	70-95	65-90	40-60	20-40
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---
Volborg---------	0-2	Silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-55	15-30
	2-11	Silty clay	CH, CL	A-7	0	0	100	100	95-100	85-95	40-55	20-30
	11-15	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
667E:												
Weingart--------	0-7	Clay	CL	A-7	---	0	90-100	90-100	80-100	65-90	40-50	15-25
	7-16	Clay, silty clay	CH, CL	A-7	---	0	90-100	90-100	80-100	75-95	40-65	20-40
	16-25	Clay, silty clay, clay loam	CH, CL	A-6, A-7	---	0	90-100	90-100	75-100	70-90	35-60	15-35
	25-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Neldore---------	0-2	Silty clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	2-17	Clay, silty clay	CH, CL	A-7	---	0	90-100	85-100	70-95	65-90	40-60	20-40
	17-60	Unweathered bedrock			---	---	---	---	---	---	---	---
668A:												
Zatoville-------	0-7	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	25-35	10-15
	7-30	Silty clay loam, silty clay, clay loam	CL	A-6, A-7	---	0	100	100	90-100	75-95	35-50	15-25
	30-46	Silty clay loam, loam, clay loam	CL	A-6	---	0	100	100	90-100	70-90	30-40	10-20
	46-60	Silty clay loam, clay loam, loam	CL	A-6	---	0	100	100	90-100	70-90	30-40	10-20
681A:												
Rivra----------	0-5	Loam	ML, SC-SM, CL-ML, SM	A-4	0	0-5	85-100	80-100	55-90	45-70	20-30	NP-10
	5-60	Extremely gravelly loamy coarse sand, extremely gravelly sand, very gravelly sand	GP, GP-GM	A-1	0	15-30	25-55	15-45	5-25	0-10	---	NP
Rivra----------	0-5	Gravelly sandy loam	SM	A-1, A-2	---	0-15	65-80	60-75	40-60	20-35	20-25	NP-5
	5-60	Very gravelly loamy coarse sand, extremely gravelly sand, very gravelly sand	GP, GP-GM	A-1	0	15-30	25-55	15-45	5-25	0-10	---	NP
691F:												
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
691F: (cont.)												
Kirby----------	0-6	Very channery loam	GC-GM, GM	A-2, A-1, A-4	---	0-15	40-60	30-50	25-45	20-40	15-25	NP-10
	6-12	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GM, GP-GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	12-60	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
701E:												
Lamedeer--------	0-4	Channery loam	GC-GM, GM, SM, SC-SM	A-4	0	0	60-80	50-75	45-65	35-50	20-30	NP-10
	4-26	Channery loam, very channery loam	GC-GM, SM, GM, SC-SM	A-2, A-4	0	0	45-80	35-75	30-60	25-50	20-30	NP-10
	26-60	Very channery loam, very channery sandy loam, extremely channery sandy loam	GM	A-1	---	25-30	35-50	25-45	20-35	10-25	15-25	NP-5
Broadus---------	0-4	Loam	CL-ML	A-4	0	0	100	100	80-95	60-80	25-30	5-10
	4-10	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	25-40	5-20
	10-40	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	25-40	5-20
	40-60	Loam, silt loam, fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-85	20-35	5-20
Ringling--------	0-7	Channery loam	GM, SM	A-4	0	0-10	60-80	55-75	50-60	35-50	20-30	NP-5
	7-30	Very channery loam, extremely channery loam	GM	A-1, A-2	0	10-40	25-60	15-50	15-40	10-35	20-30	NP-5
	30-60	Fragmental material	GP	A-1	0	80-85	15-25	5-10	0-5	0-5	---	NP
702F:												
Lamedeer--------	0-4	Channery loam	GC-GM, SM, GM, SC-SM	A-4	0	0	60-80	50-75	45-65	35-50	20-30	NP-10
	4-26	Channery loam, very channery loam	GM, GC-GM, SC-SM, SM	A-2, A-4	0	0	45-80	35-75	30-60	25-50	20-30	NP-10
	26-60	Very channery loam, very channery sandy loam, extremely channery sandy loam	GM	A-1	---	25-30	35-50	25-45	20-35	10-25	15-25	NP-5

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
702F: (cont.)												
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Ringling--------	0-7	Channery loam	GM, SM	A-4	0	0-10	60-80	55-75	50-60	35-50	20-30	NP-5
	7-30	Very channery loam, extremely channery loam	GM	A-1, A-2	0	10-40	25-60	15-50	15-40	10-35	20-30	NP-5
	30-60	Fragmental material	GP	A-1	0	80-85	15-25	5-10	0-5	0-5	---	NP
731E:												
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	10-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Ringling--------	0-7	Channery loam	GM, SM	A-4	0	0-10	60-80	55-75	50-60	35-50	20-30	NP-5
	7-30	Very channery loam, extremely channery loam	GM	A-1, A-2	0	10-40	25-60	15-50	15-40	10-35	20-30	NP-5
	30-60	Fragmental material	GP	A-1	0	80-85	15-25	5-10	0-5	0-5	---	NP
732C:												
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-18	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	18-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
Widen----------	0-3	Silty clay loam	CL	A-6, A-7	0	0-10	95-100	90-100	80-100	75-95	30-45	10-20
	3-11	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	11-32	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
732D:												
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	10-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
Widen----------	0-3	Silty clay loam	CL	A-6, A-7	0	0-10	95-100	90-100	80-100	75-95	30-45	10-20
	3-11	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	11-32	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
733E:												
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	10-26	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabba----------	0-3	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Clay loam, silt loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---
Widen----------	0-3	Silty clay loam	CL	A-6, A-7	0	0-10	95-100	90-100	80-100	75-95	30-45	10-20
	3-11	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	11-32	Silty clay, clay, clay loam	CL	A-6, A-7	0	0-10	90-100	85-100	70-100	65-95	35-50	15-30
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
734E:												
Cambert---------	0-3	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	10-26	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
734E: (cont.)												
Cherry----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	4-33	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
	33-60	Silt loam, silty clay loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	75-95	25-40	5-15
Cabba----------	0-3	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
742E:												
Neldore---------	0-3	Silty clay	CH, CL	A-7	0	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	3-14	Clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	70-95	65-90	40-60	20-40
	14-18	Clay, silty clay	CH, CL	A-7	0	0-5	85-100	80-100	65-95	60-90	40-60	20-40
	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
Abor----------	0-5	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	5-23	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	23-27	Unweathered bedrock			---	---	---	---	---	---	---	---
781A:												
Vanda----------	0-8	Clay	CH, CL	A-7	0	0	100	100	90-100	80-90	45-65	25-45
	8-60	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	80-90	45-65	25-45
797E:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
Blacksheep------	0-6	Fine sandy loam	ML, SM	A-4	0	0	100	100	65-85	40-60	15-20	NP-5
	6-16	Fine sandy loam, sandy loam, very fine sandy loam	ML, SM	A-4	0	0	100	90-100	65-85	35-60	15-20	NP-5
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
798C:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
799E:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Birney----------	0-5	Channery loam	ML, SM	A-4	0	0	75-85	60-75	50-70	35-55	25-35	NP-10
	5-11	Channery loam	ML, SM	A-4	0	0	75-85	60-75	50-70	35-55	25-35	NP-10
	11-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
802E:												
Shambo----------	0-7	Loam	CL-ML	A-4	0	0	100	100	85-100	65-90	25-30	5-10
	7-12	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-100	65-90	25-35	5-15
	12-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	65-95	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
802E: (cont.)												
Lisk	0-3	Fine sandy loam	ML, SM	A-4	0	0	100	100	75-90	45-60	20-30	NP-5
	3-15	Sandy loam, fine sandy loam	ML, SM	A-4	0	0	100	100	60-85	35-60	20-30	NP-5
	15-32	Sandy loam, fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	55-80	30-55	20-30	NP-5
	32-60	Loamy sand, loamy fine sand	SM	A-1, A-2	0	0	100	100	45-80	15-30	---	NP
Dast	0-3	Fine sandy loam	ML, SM	A-2, A-4	0	0	80-100	75-100	65-90	30-55	15-25	NP-5
	3-36	Fine sandy loam, sandy loam, loam	ML, SM	A-2, A-4	0	0	80-100	75-100	55-85	30-55	15-25	NP-5
	36-60	Unweathered bedrock			---	---	---	---	---	---	---	---
811C:												
Creed	0-7	Loam	CL-ML, SC-SM	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
Pinehill	0-5	Loam	CL-ML	A-4	0	0	100	100	70-90	60-80	25-30	5-10
	5-26	Clay loam, silty clay loam, clay	CH, CL	A-7	0	0	100	100	80-95	75-90	45-55	25-35
	26-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	70-90	65-85	25-35	5-15
813C:												
Creed	0-7	Loam	CL-ML, SC-SM	A-4	0	0	90-100	75-100	65-95	45-75	20-30	5-10
	7-15	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	90-100	75-100	70-100	60-95	35-60	15-35
	15-28	Silty clay loam, clay loam, clay	CL, SC	A-6, A-7	0	0	90-100	75-100	60-100	35-90	30-50	15-25
	28-60	Stratified loam to silty clay loam	CL	A-6, A-7	0	0	90-100	75-100	65-100	50-90	30-45	10-20
Absher	0-5	Silty clay loam	CL	A-6	0	0	95-100	75-100	70-100	60-90	25-40	10-20
	5-9	Silty clay, clay, clay loam	CL, CH	A-7	0	0	95-100	75-100	70-100	60-95	40-60	20-40
	9-60	Clay loam, clay, silty clay	CH, CL	A-7	0	0	95-100	75-100	70-100	60-95	40-55	20-35

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
831F:												
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Wayden----------	0-3	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	75-85	35-45	15-25
	3-16	Clay loam, silty clay, silty clay loam	CH, CL	A-6, A-7	0	0	100	100	90-100	80-95	35-60	15-35
	16-60	Weathered bedrock			---	---	---	---	---	---	---	---
832E:												
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Macar----------	0-3	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	3-11	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	11-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
Cabba----------	0-3	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
841F:												
Birney----------	0-3	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	3-10	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	10-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
841F: (cont.)												
Armells---------	0-4	Channery loam	GC-GM, GM, SM, SC-SM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	4-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GC-GM, GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10
Cabbart---------	0-2	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
842F:												
Cabbart---------	0-2	Silt loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-16	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-2	Silty clay loam	CL	A-6, A-7	---	0	100	100	90-100	80-90	30-45	10-20
	2-13	Silty clay loam, clay loam, clay	CH, CL	A-7	---	0	100	100	90-100	70-95	40-60	15-35
	13-60	Weathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
843E:												
Delpoint--------	0-5	Loam	CL-ML	A-4	---	0	95-100	90-100	75-90	55-75	20-30	5-10
	5-27	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	85-95	65-90	20-40	5-20
	27-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Delpoint--------	0-2	Loam	CL-ML	A-4	---	0	95-100	90-100	75-90	55-75	20-30	5-10
	2-30	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	85-95	65-85	20-40	5-20
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
844A:												
Havre----------	0-5	Loam	CL-ML, ML	A-4	---	0	100	100	80-95	60-75	20-30	NP-10
	5-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	80-95	50-70	20-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
844A: (cont.)												
Harlake---------	0-5	Silty clay loam	CL	A-6, A-7	---	0	100	100	90-100	70-90	35-45	15-20
	5-60	Stratified clay to silty clay loam	CH, CL	A-7	---	0	100	100	95-100	85-95	40-65	20-40
Glendive--------	0-6	Fine sandy loam	CL-ML, SM, ML, SC-SM	A-2, A-4	---	0	100	100	65-85	30-55	20-30	NP-10
	6-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	---	0	100	100	65-95	40-70	15-30	NP-10
845C:												
Ivanell---------	0-7	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	7-16	Clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	16-30	Clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Davidell--------	0-7	Loam	CL-ML	A-4	---	0	100	100	95-100	80-90	25-30	5-10
	7-12	Clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	12-25	Clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	25-60	Loam, silt loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
846F:												
Blacksheep------	0-5	Very fine sandy loam	ML, SM	A-4	0	0-5	90-100	85-100	70-95	45-65	15-25	NP-5
	5-18	Fine sandy loam, sandy loam, very fine sandy loam	SM	A-4	0	0-5	90-100	85-100	60-80	35-50	15-25	NP-5
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Delpoint--------	0-4	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	4-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	12-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
847E:												
Busby	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	4-21	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	21-45	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	45-60	Loamy fine sand, loamy sand, fine sandy loam	SM	A-2, A-4	0	0	100	100	60-85	20-50	15-25	NP-5
Yetull	0-5	Loamy fine sand	SM	A-2	0	0-5	95-100	95-100	50-75	10-30	---	NP
	5-60	Loamy coarse sand, sand, loamy sand	SM, SP-SM	A-1, A-3, A-2	0	0-5	95-100	95-100	45-70	5-30	---	NP
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---
862E:												
Doney	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Lamedeer	0-4	Channery loam	GC-GM, GM, SM, SC-SM	A-4	0	0	60-80	50-75	45-65	35-50	20-30	NP-10
	4-26	Channery loam, very channery loam	GM, GC-GM, SC-SM, SM	A-2, A-4	0	0	45-80	35-75	30-60	25-50	20-30	NP-10
	26-60	Very channery loam, very channery sandy loam, extremely channery sandy loam	GM	A-1	---	25-30	35-50	25-45	20-35	10-25	15-25	NP-5
Cabba	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---
862F:												
Doney	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-28	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
862F: (cont.)												
Lamedeer--------	0-4	Channery loam	GM, GC-GM, SC-SM, SM	A-4	0	0	60-80	50-75	45-65	35-50	20-30	NP-10
	4-26	Channery loam, very channery loam	GM, SC-SM, GC-GM, SM	A-2, A-4	0	0	45-80	35-75	30-60	25-50	20-30	NP-10
	26-60	Very channery loam, very channery sandy loam, extremely channery sandy loam	GM	A-1	---	25-30	35-50	25-45	20-35	10-25	15-25	NP-5
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-18	Unweathered bedrock			---	---	---	---	---	---	---	---
871C:												
Morton----------	0-5	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	85-100	60-90	20-40	3-23
	5-13	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	25-50	10-30
	13-30	Loam, silty clay loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	100	100	95-100	75-95	20-50	3-30
	30-60	Weathered bedrock			---	---	---	---	---	---	---	---
Farland---------	0-6	Silt loam	CL-ML	A-4	0	0	100	100	95-100	75-90	25-30	5-10
	6-13	Silty clay loam, clay loam	CL	A-6	0	0	100	100	95-100	75-90	30-40	10-20
	13-45	Loam, silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	70-90	25-40	5-20
	45-60	Loam, silt loam, silty clay loam	CL, CL-ML	A-6, A-4	0	0	100	100	90-100	70-90	25-40	5-20
891D:												
Yamacall--------	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL-ML, CL	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Birney----------	0-5	Channery loam	ML, SM	A-4	0	0	75-85	60-75	50-70	35-55	25-35	NP-10
	5-11	Channery loam	ML, SM	A-4	0	0	75-85	60-75	50-70	35-55	25-35	NP-10
	11-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
891D: (cont.)												
Delpoint	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
892D:												
Yamacall	0-7	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	7-14	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	14-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Delpoint	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
901A:												
Sonnett	0-6	Loam	CL-ML	A-4	0	0	100	95-100	70-90	60-80	20-30	5-10
	6-14	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	14-25	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	25-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15
Sonnett	0-5	Silty clay loam	CL	A-6	0	0	100	95-100	90-100	85-95	30-35	10-15
	5-12	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	12-20	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	20-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15
901C:												
Sonnett	0-6	Loam	CL-ML	A-4	0	0	100	95-100	70-90	60-80	20-30	5-10
	6-14	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	14-25	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	25-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
901C: (cont.)												
Sonnett---------	0-5	Silty clay loam	CL	A-6	0	0	100	95-100	90-100	85-95	30-35	10-15
	5-12	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	12-20	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	20-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15
902C:												
Sonnett---------	0-5	Silty clay loam	CL	A-6	0	0	100	95-100	90-100	85-95	30-35	10-15
	5-12	Silty clay, clay	CL	A-6, A-7	0	0	100	95-100	90-100	85-95	35-45	15-25
	12-25	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	80-95	70-90	25-40	5-20
	25-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-90	65-80	20-30	5-15
Slickspots------	---	---	---	---	---	---	---	---	---	---	---	---
910B:												
Antwerp---------	0-6	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	6-24	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
	24-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
911F:												
Armells---------	0-4	Channery loam	GC-GM, SM, GM, SC-SM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	4-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GC-GM, GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10
Cabbart---------	0-4	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
912F:												
Armells---------	0-4	Channery loam	SM, GC-GM, SC-SM, GM	A-4	---	0-10	60-80	55-75	45-65	35-50	20-30	NP-10
	4-60	Extremely channery loam, very channery loam, very channery fine sandy loam	GM, GC-GM	A-1, A-2	---	0-15	20-50	15-40	10-30	10-25	20-30	NP-10

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
912F: (cont.)												
Kirby----------	0-4	Very channery loam	GC-GM, GM	A-1, A-2, A-4	---	0-15	40-60	30-50	25-45	20-40	15-25	NP-10
	4-14	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GM, GP-GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	14-60	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
913D:												
Birney----------	0-5	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	5-11	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	11-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10
Cooers----------	0-4	Loam	CL, CL-ML	A-4, A-6	---	0	95-100	95-100	80-95	55-75	25-35	5-15
	4-19	Loam	SC, CL-ML, SC-SM, CL	A-4, A-6	---	0	80-100	75-100	60-95	40-75	25-35	5-15
	19-38	Loam, channery loam	CL-ML, CL, SC, SC-SM	A-4, A-6	---	0	75-100	70-100	55-95	35-75	25-35	5-15
	38-60	Loam, channery loam, sandy loam	CL-ML, SC-SM	A-4	---	0	65-100	60-100	50-95	35-75	20-30	5-10
Kirby----------	0-5	Channery loam	GM, CL-ML, SC-SM, SM	A-4	---	0-10	65-85	55-75	45-65	40-60	15-25	NP-10
	5-18	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GP-GM, GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	18-60	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
914D:												
Bullock---------	0-7	Clay loam	CL	A-6	---	0	100	100	90-95	70-80	30-35	10-15
	7-11	Clay loam	CL	A-6	---	0	100	100	90-95	70-80	30-35	10-15
	11-27	Loam, clay loam, sandy clay loam	CL	A-6	---	0	100	100	90-95	60-80	30-35	10-15
	27-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Ralore----------	0-7	Clay loam	CL	A-6	---	0	100	100	90-100	70-80	30-40	10-15
	7-12	Silty clay loam, clay loam, clay	CL	A-6, A-7	---	0	100	100	90-100	70-85	35-50	15-25
	12-16	Silty clay loam, clay loam, clay	CL	A-6, A-7	---	0	100	100	90-100	70-85	30-45	10-20
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
916E:												
Busby----------	0-3	Fine sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5
	3-15	Fine sandy loam, sandy loam, loam	ML, SM	A-4	---	0	100	100	60-90	35-75	20-25	NP-5
	15-60	Fine sandy loam, sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5
Twilight--------	0-3	Fine sandy loam	SM	A-4	---	0	100	100	60-90	35-50	20-30	NP-5
	3-15	Fine sandy loam, sandy loam	SM	A-4	---	0	100	100	60-90	35-50	20-30	NP-5
	15-28	Fine sandy loam, sandy loam	SM	A-4	---	0	100	100	60-90	35-50	20-30	NP-5
	28-60	Weathered bedrock			---	---	---	---	---	---	---	---
Blacksheep------	0-2	Fine sandy loam	ML, SM	A-4	---	0-5	90-100	85-100	60-85	35-55	15-25	NP-5
	2-15	Fine sandy loam, sandy loam, very fine sandy loam	SM	A-4	---	0-5	90-100	85-100	60-80	35-50	15-25	NP-5
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
917D:												
Cambeth---------	0-5	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	5-22	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	22-30	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	30-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-7	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-12	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
918E:												
Cambeth---------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	3-10	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	10-32	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-3	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-14	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
919F:												
Delpoint--------	0-4	Loam	CL-ML	A-4	---	0	95-100	90-100	75-90	55-75	20-30	5-10
	4-27	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	85-95	65-85	20-40	5-20
	27-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-2	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
921F:												
Twilight--------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	4-10	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	10-30	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
Blacksheep------	0-6	Fine sandy loam	ML, SM	A-4	0	0	100	100	65-85	40-60	15-20	NP-5
	6-16	Fine sandy loam, sandy loam, very fine sandy loam	ML, SM	A-4	0	0	100	90-100	65-85	35-60	15-20	NP-5
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-10	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	10-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
931C:												
Ralph----------	0-7	Silt loam	CL, ML	A-4, A-6	0	0	100	100	95-100	60-80	30-40	5-15
	7-15	Clay loam, loam, silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	60-90	35-45	12-20
	15-28	Silty clay loam, loam, clay loam	CL	A-6, A-7	0	0	100	100	90-100	65-95	35-45	12-20
	28-32	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
931C: (cont.)												
Brushton	0-6	Silt loam	CL-ML	A-4	0	0	100	100	85-95	65-85	25-30	5-10
	6-18	Silty clay loam	CL	A-6	0	0	100	100	85-95	80-90	30-40	10-20
	18-60	Silt loam, loam, very fine sandy loam	ML	A-4	0	0	100	100	75-90	60-80	30-40	5-10
940E:												
Delpoint	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-17	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	17-28	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yamacall	0-5	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	5-11	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	11-48	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
	48-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Cabbart	0-3	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-7	Silt loam, loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	7-18	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	18-60	Unweathered bedrock			---	---	---	---	---	---	---	---
941C:												
Gerdrum	0-7	Silty clay loam	CL	A-6	---	0	80-100	75-100	65-95	60-90	25-40	10-20
	7-19	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0	90-100	90-100	85-100	75-95	40-60	20-40
	19-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	---	0	90-100	90-100	80-95	45-75	35-55	15-35
Kobase	0-4	Silty clay loam	CL	A-6, A-7	---	0	95-100	90-100	85-100	80-95	30-45	10-20
	4-19	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
	19-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
942A:												
Harlake	0-8	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	15-20
	8-60	Stratified clay to silt loam	CH, CL	A-7	0	0	100	100	95-100	85-95	40-65	20-40

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
943F:												
Kirby----------	0-3	Very channery loam	GC-GM, GM	A-1, A-2, A-4	---	0-15	40-60	30-50	25-45	20-40	15-25	NP-10
	3-11	Extremely channery loam, extremely channery sandy loam, very channery loam	GC-GM, GP-GM, GM	A-1, A-2	---	10-30	20-60	10-50	5-40	5-35	15-25	NP-10
	11-60	Fragmental material	GP	A-1	---	40-60	5-15	0-10	0-5	0-5	---	NP
Cabbart---------	0-2	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	11-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
944E:												
Kobase----------	0-4	Silty clay loam	CL	A-6, A-7	---	0	95-100	90-100	85-100	80-95	30-45	10-20
	4-15	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
	15-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
Cabbart---------	0-3	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-16	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-2	Silty clay loam	CL	A-6, A-7	---	0	100	100	90-100	80-90	30-45	10-20
	2-12	Silty clay loam, clay loam, clay	CH, CL	A-7	---	0	100	100	90-100	70-95	40-60	15-35
	12-60	Weathered bedrock			---	---	---	---	---	---	---	---
945A:												
Lonna----------	0-5	Silt loam	CL-ML	A-4	---	0	100	100	90-100	75-90	25-30	5-10
	5-26	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
	26-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
Alona----------	0-8	Silt loam	CL-ML, ML	A-4	---	0	100	100	90-100	70-90	25-35	5-10
	8-14	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-40	5-15
	14-21	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-40	5-15
	21-60	Silty clay loam, loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
945C:												
Lonna----------	0-4	Silt loam	CL-ML	A-4	---	0	100	100	90-100	75-90	25-30	5-10
	4-20	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
	20-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
Alona----------	0-3	Silt loam	CL-ML, ML	A-4	---	0	100	100	90-100	70-90	25-35	5-10
	3-13	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-40	5-15
	13-25	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-40	5-15
	25-60	Silty clay loam, loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
946A:												
Lonna----------	0-4	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	4-36	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
	36-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
Antwerp---------	0-9	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	9-40	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
	40-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
946C:												
Lonna----------	0-3	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	3-13	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
	13-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
Antwerp---------	0-8	Silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	8-36	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
	36-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	80-95	25-35	5-15
947E:												
Lonna----------	0-3	Silt loam	CL-ML	A-4	---	0	100	100	90-100	75-90	25-30	5-10
	3-21	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15
	21-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	75-95	25-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
947E: (cont.)												
Cabbart---------	0-2	Silt loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-4	Silty clay loam	CL	A-6, A-7	---	0	100	100	90-100	80-90	30-45	10-20
	4-15	Silty clay loam, clay loam, clay	CH, CL	A-7	---	0	100	100	90-100	70-95	40-60	15-35
	15-60	Weathered bedrock			---	---	---	---	---	---	---	---
948B:												
Rominell--------	0-6	Fine sandy loam	CL-ML, SC-SM	A-4	---	0	100	100	80-90	40-60	20-30	5-10
	6-13	Clay loam, loam, sandy clay loam	CL-ML, CL, SC, SC-SM	A-4, A-6	---	0	100	100	85-90	40-75	25-35	5-15
	13-60	Clay loam, loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	---	0	90-100	85-100	60-90	45-70	20-30	NP-10
949E:												
Tinsley---------	0-4	Very gravelly sandy loam	GM	A-1, A-2	---	0-15	40-65	30-50	20-45	15-35	15-20	NP-5
	4-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GP-GM, GM, SM, SP-SM	A-1	---	10-40	40-70	25-55	10-35	5-15	---	NP
951C:												
Vanstel---------	0-5	Loam	CL-ML	A-4	---	0	100	100	95-100	75-85	20-30	5-10
	5-18	Loam, clay loam, silty clay loam	CL	A-6	---	0	100	100	95-100	85-95	30-35	10-15
	18-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	---	0	100	100	95-100	85-95	25-35	5-15
952D:												
Yamacall--------	0-4	Loam	CL-ML	A-4	---	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	4-10	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	10-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Birney----------	0-4	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	4-12	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	12-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
953E:												
Yamacall--------	0-3	Loam	CL-ML	A-4	---	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	3-11	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	11-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Birney----------	0-4	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	4-12	Channery loam	ML, SM	A-4	---	0	75-85	60-75	50-70	35-55	25-35	NP-10
	12-60	Very channery sandy loam, extremely channery fine sandy loam, very channery loam	GM, GP-GM	A-1, A-2	---	0-20	35-60	20-50	10-35	5-20	25-35	NP-10
Cabbart---------	0-3	Loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	3-16	Loam, silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
954C:												
Yamacall--------	0-3	Loam	CL-ML	A-4	---	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	3-13	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	13-42	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	60-85	55-75	25-35	5-15
	42-60	Stratified gravelly loam to loamy sand	ML, SM	A-2, A-4	---	0-5	75-100	70-100	50-80	25-55	15-25	NP-5
Busby----------	0-5	Fine sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5
	5-11	Fine sandy loam, sandy loam, loam	ML, SM	A-4	---	0	100	100	60-90	35-75	20-25	NP-5
	11-60	Fine sandy loam, sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5
954D:												
Yamacall--------	0-4	Loam	CL-ML	A-4	---	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	4-10	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	10-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Busby----------	0-5	Fine sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5
	5-11	Fine sandy loam, sandy loam, loam	ML, SM	A-4	---	0	100	100	60-90	35-75	20-25	NP-5
	11-60	Fine sandy loam, sandy loam	SM	A-4	---	0	100	100	60-85	35-50	20-25	NP-5

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
955D:												
Yamacall	0-4	Loam	CL-ML	A-4	---	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	---	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	15-45	Loam, clay loam, silt loam	CL-ML, CL	A-4, A-6	---	0-5	85-100	80-100	60-85	55-75	25-35	5-15
	45-60	Stratified gravelly loam to loamy sand	ML, SM	A-2, A-4	---	0-5	75-100	70-100	50-80	25-55	15-25	NP-5
Delpoint	0-6	Loam	CL-ML	A-4	---	0	95-100	90-100	75-90	55-75	20-30	5-10
	6-28	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	85-95	65-85	20-40	5-20
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---
956F:												
Yawdim	0-2	Silty clay loam	CL	A-6, A-7	---	0	100	100	90-100	80-90	30-45	10-20
	2-10	Silty clay loam, clay loam, clay	CH, CL	A-7	---	0	100	100	90-100	70-95	40-60	15-35
	10-60	Weathered bedrock			---	---	---	---	---	---	---	---
Cabbart	0-2	Silt loam	CL-ML	A-4	---	0	90-100	85-100	65-85	55-75	25-30	5-10
	2-12	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	90-100	85-100	60-90	55-85	25-35	5-15
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Kobase	0-4	Silty clay loam	CL	A-6, A-7	---	0	95-100	90-100	85-100	80-95	30-45	10-20
	4-22	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
	22-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	---	0	95-100	90-100	85-100	75-95	35-50	15-25
957E:												
Abor	0-3	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	3-32	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
957E: (cont.)												
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-15	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	15-32	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	32-60	Unweathered bedrock			---	---	---	---	---	---	---	---
958D:												
Abor----------	0-3	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	3-25	Silty clay, clay loam, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	25-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	14-26	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Kobase----------	0-3	Silty clay loam	CL	A-6, A-7	0	0	95-100	90-100	85-100	80-95	30-45	10-20
	3-16	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
	16-60	Silty clay loam, silty clay, clay	CL	A-6, A-7	0	0	95-100	90-100	85-100	75-95	35-50	15-25
959D:												
Abor----------	0-6	Silty clay loam	CL	A-6, A-7	0	0	80-100	75-100	65-100	60-90	35-45	15-25
	6-26	Silty clay, clay loam, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Weingart--------	0-3	Clay loam	CL	A-6, A-7	0	0	90-100	90-100	65-90	60-85	30-45	10-25
	3-11	Clay, silty clay	CH, CL	A-7	0	0	90-100	90-100	80-100	75-95	40-65	20-40
	11-35	Clay, silty clay, clay loam	CH, CL	A-6, A-7	0	0	90-100	90-100	75-100	70-90	35-60	15-35
	35-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Neldore---------	0-3	Clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	3-9	Clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	70-95	65-90	40-60	20-40
	9-15	Clay, silty clay	CL, CH	A-7	---	0-5	85-100	80-100	65-95	60-90	40-60	20-40
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
960A:												
Busby----------	0-10	Loam	CL-ML	A-4	0	0	100	100	85-95	60-75	25-30	5-10
	10-16	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	16-60	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
961C:												
Busby----------	0-4	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	4-21	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	21-45	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	45-60	Loamy fine sand, loamy sand, fine sandy loam	SM	A-2, A-4	0	0	100	100	60-85	20-50	15-25	NP-5
Yetull----------	0-8	Loamy fine sand	SM	A-2	0	0-5	95-100	95-100	50-75	10-30	---	NP
	8-60	Loamy coarse sand, sand, loamy sand	SM, SP-SM	A-1, A-3, A-2	0	0-5	95-100	95-100	45-70	5-30	---	NP
962F:												
Cambert---------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
	4-15	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	15-25	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-35	5-15
	25-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Bigsheep--------	0-9	Very gravelly loam	GC-GM	A-2, A-4	---	0-10	40-60	30-50	25-45	15-40	20-30	5-10
	9-24	Very gravelly sandy loam, very gravelly sandy clay loam, very gravelly loam	GC-GM	A-2	---	0-10	40-55	30-50	25-45	20-30	20-30	5-10
	24-33	Silt loam, loam	CL-ML	A-4	0	0	100	90-100	80-100	70-90	20-30	5-10
	33-60	Very gravelly loam, very gravelly sandy clay loam, extremely gravelly sandy loam	GC-GM, GP-GM, GM	A-1, A-2	---	0-10	25-60	15-50	10-40	5-30	15-30	NP-10
Golva----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	95-100	70-90	25-30	5-10
	4-19	Clay loam, silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-40	5-15
	19-60	Loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-90	25-40	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
963E:												
Cambeth---------	0-5	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	5-11	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	11-25	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	25-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Lonna----------	0-4	Silt loam	CL-ML	A-4	0	0	100	100	90-100	75-90	25-30	5-10
	4-11	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
	11-60	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-15
964E:												
Cambeth---------	0-5	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	70-90	25-35	5-10
	5-15	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	15-28	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	75-95	25-40	5-20
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-17	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	17-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yawdim----------	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	4-14	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	14-60	Weathered bedrock			---	---	---	---	---	---	---	---
965C:												
Chinook---------	0-5	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	5-60	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
965C: (cont.)												
Twilight--------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	3-11	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	11-29	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	29-60	Weathered bedrock			---	---	---	---	---	---	---	---
966D:												
Chinook---------	0-4	Fine sandy loam	SM	A-2, A-4	0	0	80-100	75-100	65-85	30-50	15-25	NP-5
	4-41	Fine sandy loam, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	55-85	30-50	15-25	NP-5
	41-60	Fine sandy loam, loamy fine sand, sandy loam	SM	A-2, A-4	0	0	80-100	75-100	60-80	25-45	15-25	NP-5
Twilight--------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	3-11	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	11-31	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-90	35-50	20-30	NP-5
	31-60	Weathered bedrock			---	---	---	---	---	---	---	---
Blacksheep------	0-3	Fine sandy loam	ML, SM	A-4	0	0-5	90-100	85-100	60-85	35-55	15-25	NP-5
	3-14	Fine sandy loam, sandy loam, very fine sandy loam	SM	A-4	0	0-5	90-100	85-100	60-80	35-50	15-25	NP-5
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
967E:												
Delpoint--------	0-5	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	5-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	14-27	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	27-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabbart---------	0-4	Silt loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-17	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	17-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
967E: (cont.)												
Yawdim----------	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	30-45	10-20
	4-11	Silty clay loam, clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	70-95	40-60	15-35
	11-60	Weathered bedrock			---	---	---	---	---	---	---	---
968E:												
Delpoint--------	0-4	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	4-11	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	11-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Yamacall--------	0-4	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	4-16	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	16-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15
Cabbart---------	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---
969C:												
Eapa----------	0-6	Loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	95-100	85-90	65-70	25-35	5-15
	6-13	Clay loam, loam, silty clay loam	CL	A-6	0	0-5	95-100	95-100	85-100	65-85	25-35	10-15
	13-60	Loam, clay loam, fine sandy loam	CL	A-6	0	0-5	95-100	95-100	70-90	50-75	25-35	10-15
Delpoint--------	0-3	Loam	CL-ML	A-4	0	0	95-100	90-100	75-90	55-75	20-30	5-10
	3-14	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	14-26	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-95	65-85	20-40	5-20
	26-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
971E:												
Lisk----------	0-3	Fine sandy loam	ML, SM	A-4	0	0	100	100	75-90	45-60	20-30	NP-5
	3-15	Sandy loam, fine sandy loam	ML, SM	A-4	0	0	100	100	60-85	35-60	20-30	NP-5
	15-32	Sandy loam, fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	55-80	30-55	20-30	NP-5
	32-60	Loamy sand, loamy fine sand	SM	A-1, A-2	0	0	100	100	45-80	15-30	---	NP
Cohagen---------	0-13	Fine sandy loam	SM	A-2, A-4	0	0	100	95-100	60-85	30-50	---	NP
	13-60	Weathered bedrock			---	---	---	---	---	---	---	---
Dast----------	0-6	Fine sandy loam	ML, SM	A-2, A-4	0	0	80-100	75-100	65-90	30-55	15-25	NP-5
	6-36	Fine sandy loam, sandy loam, loam	ML, SM	A-2, A-4	0	0	80-100	75-100	55-85	30-55	15-25	NP-5
	36-60	Unweathered bedrock			---	---	---	---	---	---	---	---
981C:												
Macar----------	0-3	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	3-11	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	11-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
982D:												
Macar----------	0-5	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	5-15	Clay loam, loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	15-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
Doney----------	0-4	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	50-75	20-30	NP-10
	4-24	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	85-100	75-100	65-95	55-85	25-35	5-15
	24-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Cabba----------	0-3	Loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	60-80	20-30	NP-10
	3-14	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	90-100	85-100	80-95	25-35	5-15
	14-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
983E:												
Macar----------	0-3	Loam	CL-ML	A-4	0	0	100	100	75-95	55-70	25-30	5-10
	3-11	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
	11-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	75-95	60-85	25-40	5-15
Lisk----------	0-3	Fine sandy loam	ML, SM	A-4	0	0	100	100	75-90	45-60	20-30	NP-5
	3-15	Sandy loam, fine sandy loam	ML, SM	A-4	0	0	100	100	60-85	35-60	20-30	NP-5
	15-32	Sandy loam, fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	55-80	30-55	20-30	NP-5
	32-60	Loamy sand, loamy fine sand	SM	A-1, A-2	0	0	100	100	45-80	15-30	---	NP
Cohagen---------	0-13	Fine sandy loam	SM	A-2, A-4	0	0	100	95-100	60-85	30-50	---	NP
	13-17	Weathered bedrock			---	---	---	---	---	---	---	---
990E:												
Lihen----------	0-10	Loamy sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-30	---	NP
	10-60	Loamy fine sand, loamy sand, sand	SM	A-1, A-2	0	0	100	85-100	45-75	15-35	---	NP
Tinsley---------	0-4	Gravelly sandy loam	SM	A-1, A-2	---	0-10	70-90	55-75	35-55	15-35	15-20	NP-5
	4-60	Very gravelly sand, very cobbly loamy sand, extremely gravelly sand	GM, GP-GM, SP-SM, SM	A-1	---	10-40	40-70	25-55	10-35	5-15	---	NP
991F:												
Neldore---------	0-3	Clay	CH, CL	A-7	---	0-10	95-100	90-100	75-100	70-95	40-55	20-30
	3-16	Clay, silty clay	CH, CL	A-7	---	0-5	85-100	80-100	65-95	60-90	40-60	20-40
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
Abor----------	0-3	Silty clay	CH, CL	A-7	0	0	95-100	90-100	80-100	75-95	40-60	20-35
	3-28	Silty clay, clay, silty clay loam	CH, CL	A-6, A-7	0	0	80-100	75-100	65-100	60-95	35-65	20-45
	28-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
992C:												
Parshall	0-5	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	65-80	35-50	20-30	NP-10
	5-24	Fine sandy loam, sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	85-100	55-80	30-50	20-30	NP-10
	24-60	Fine sandy loam, sandy loam, loamy sand	SC-SM, SM	A-2, A-4	0	0	90-100	85-100	50-75	20-40	15-25	NP-10
993C:												
Pinehill	0-5	Loam	CL-ML	A-4	0	0	75-100	75-100	65-90	50-75	25-30	5-10
	5-18	Clay loam, silty clay loam, clay loam	CH, CL	A-7	0	0	75-100	75-100	65-90	55-85	45-55	25-35
	18-60	Clay loam, loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	75-100	75-100	65-90	55-85	25-35	5-15
Weingart	0-7	Clay loam	CL	A-6, A-7	0	0	90-100	90-100	65-90	60-85	30-45	10-25
	7-16	Clay, silty clay	CH, CL	A-7	0	0	90-100	90-100	80-100	75-95	40-65	20-40
	16-38	Clay, silty clay, clay loam	CH, CL	A-6, A-7	0	0	90-100	90-100	75-100	70-90	35-60	15-35
	38-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Gerdrum	0-7	Clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	7-16	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	16-60	Clay loam, sandy clay loam, clay	CH, CL, SC	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
994E:												
Cabbart	0-4	Loam	CL-ML	A-4	0	0	90-100	85-100	65-85	55-75	25-30	5-10
	4-15	Loam, clay loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	60-90	55-85	25-35	5-15
	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
Bullock	0-3	Clay loam	CL	A-6	0	0	100	100	90-95	70-80	30-35	10-15
	3-10	Clay loam	CL	A-6	0	0	100	100	90-95	70-80	30-35	10-15
	10-34	Loam, clay loam, sandy clay loam	CL	A-6	0	0	100	100	90-95	60-80	30-35	10-15
	34-38	Unweathered bedrock			---	---	---	---	---	---	---	---
995C:												
Yamacall	0-5	Loam	CL-ML	A-4	0	0-5	85-100	80-100	60-85	55-75	25-30	5-10
	5-17	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	65-90	60-80	25-35	5-15
	17-60	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	60-85	55-75	25-35	5-15

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
995C: (cont.)												
Gerdrum---------	0-7	Silty clay loam	CL	A-6	0	0	80-100	75-100	65-95	60-90	25-40	10-20
	7-18	Clay, silty clay, silty clay loam	CH, CL	A-7	0	0	90-100	90-100	85-100	75-95	40-60	20-40
	18-60	Clay loam, sandy clay loam, clay	CH, SC, CL	A-6, A-7	0	0	90-100	90-100	80-95	45-75	35-55	15-35
996A:												
Yetull----------	0-10	Loamy fine sand	SM	A-2	0	0-5	95-100	95-100	50-75	10-30	---	NP
	10-60	Loamy coarse sand, sand, loamy sand	SM, SP-SM	A-1, A-3, A-2	0	0-5	95-100	95-100	45-70	5-30	---	NP
Busby----------	0-3	Fine sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	3-20	Fine sandy loam, sandy loam, loam	ML, SM	A-4	0	0	100	100	60-90	35-75	20-25	NP-5
	20-42	Fine sandy loam, sandy loam	SM	A-4	0	0	100	100	60-85	35-50	20-25	NP-5
	42-60	Loamy fine sand, loamy sand, fine sandy loam	SM	A-2, A-4	0	0	100	100	60-85	20-50	15-25	NP-5
4621A:												
Hanly----------	0-5	Loamy fine sand	SM	A-2	0	0	100	100	50-75	15-30	---	NP
	5-60	Stratified fine sandy loam to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-85	5-25	---	NP
Glendive--------	0-4	Fine sandy loam	CL-ML, ML, SM, SC-SM	A-2, A-4	0	0	100	100	65-85	30-55	20-30	NP-10
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
4861A:												
Glendive--------	0-4	Silty clay loam	CL	A-6	0	0	100	100	90-100	80-95	30-40	10-20
	4-60	Loam, silt loam, sandy loam	ML, CL-ML, SC-SM, SM	A-4	0	0	100	100	65-95	40-70	15-30	NP-10
Havre----------	0-9	Silty clay loam	CL	A-6	0	0	100	100	85-100	75-95	30-40	10-20
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-80	20-35	5-15
4871A:												
Havre----------	0-9	Loam	CL-ML, ML	A-4	0	0	100	100	80-95	60-75	20-30	NP-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	50-70	20-35	5-15
Harlake---------	0-8	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	15-20
	8-60	Stratified clay to silt loam	CH, CL	A-7	0	0	100	100	95-100	85-95	40-65	20-40

Engineering Index Properties (Continued)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
4881A:												
Havre----------	0-9	Loam	CL-ML	A-4	0	0	100	100	80-95	60-90	20-30	5-10
	9-60	Stratified fine sandy loam to clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	80-95	60-80	20-35	5-15
DA:												
Denied Access---	---	---	---	---	---	---	---	---	---	---	---	---
M-W:												
Miscellaneous Water----------	---	---	---	---	---	---	---	---	---	---	---	---
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---

Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
3F:														
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-19	---	---	---	---	---	---	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
Yawdim	0-5	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.37	.37	2	4	86
	5-18	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	.32			
	18-22	---	---	---	---	---	---	---	---	---	---			
12E:														
Wabek	0-9	---	---	10-20	1.20-1.40	2-6	0.09-0.11	0.0-2.9	1.0-2.0	.10	.17	5	3	86
	9-35	---	---	10-20	1.35-1.55	6-20	0.06-0.08	0.0-2.9	0.5-1.0	.15	.37			
	35-60	---	---	0-3	1.50-1.70	20-20	0.02-0.03	0.0-2.9	0.0-0.5	.02	.10			
14B:														
Alona	0-4	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	4-10	---	---	25-35	1.25-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	10-19	---	---	25-35	1.25-1.45	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.37	.37			
	19-60	---	---	25-35	1.25-1.50	0.2-0.6	0.08-0.11	3.0-5.9	0.0-0.5	.43	.43			
17F:														
Badland	---	---	---	---	---	---	---	---	---	---	---	-	---	---
18E:														
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-18	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Havre	0-10	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	10-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
19C:														
Archin	0-3	---	---	15-25	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	2	6	48
	3-12	---	---	25-34	1.40-1.60	0.06-0.2	0.12-0.16	3.0-5.9	0.0-1.0	.37	.37			
	12-60	---	---	20-30	1.35-1.60	0.06-0.2	0.10-0.13	3.0-5.9	0.0-0.5	.37	.37			
21C:														
Benz	0-4	---	---	18-27	1.15-1.40	0.6-2	0.14-0.16	0.0-2.9	1.0-2.0	.43	.43	5	6	48
	4-60	---	---	18-35	1.30-1.55	0.06-0.2	0.10-0.12	3.0-5.9	0.0-0.5	.37	.37			
24B:														
Davidell	0-5	---	---	27-33	1.15-1.35	0.2-0.6	0.14-0.17	3.0-5.9	1.0-3.0	.32	.32	5	7	38
	5-9	---	---	27-35	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	9-29	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
	29-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	.32			
25A:														
Marias	0-5	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	5-30	---	---	40-60	1.30-1.50	0.0015-0.06	0.12-0.16	6.0-8.9	0.5-1.0	.37	.37			
	30-60	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.16	6.0-8.9	0.0-0.5	.37	.37			
27A:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
27C:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
30C:														
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Havre	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
31A:														
Ryell	0-6	---	---	10-20	1.30-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.43	.43	3	3	86
	6-28	---	---	10-18	1.20-1.40	0.6-2	0.15-0.19	0.0-2.9	0.5-1.0	.37	.37			
	28-60	---	---	0-10	1.50-1.75	6-20	0.02-0.03	0.0-2.9	0.5-1.0	.05	.24			
33A:														
Chanta	0-6	---	---	15-25	1.15-1.35	0.6-2	0.15-0.18	0.0-2.9	2.0-4.0	.37	.37	3	5	56
	6-18	---	---	15-27	1.25-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-2.0	.37	.43			
	18-27	---	---	15-27	1.30-1.50	0.6-2	0.14-0.17	0.0-2.9	0.5-1.0	.37	.43			
	27-60	---	---	0-5	1.50-1.70	6-20	0.02-0.06	0.0-2.9	0.0-0.5	.05	.17			
34C:														
Tally	0-4	---	---	10-20	1.25-1.45	2-6	0.14-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	4-16	---	---	5-18	1.35-1.60	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.20	.20			
	16-60	---	---	5-18	1.40-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
35C:														
Chinook	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-13	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	13-38	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	38-60	---	---	5-15	1.40-1.65	2-6	0.11-0.12	0.0-2.9	0.0-0.0	.20	.20			
37B:														
Degrand	0-7	---	---	10-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	2.0-3.0	.37	.37	3	5	56
	7-16	---	---	20-35	1.40-1.60	0.6-2	0.13-0.16	3.0-5.9	1.0-2.0	.32	.32			
	16-31	---	---	15-30	1.35-1.60	0.6-2	0.13-0.16	0.0-2.9	0.5-1.0	.32	.32			
	31-60	---	---	0-5	1.50-1.70	6-20	0.03-0.04	0.0-2.9	0.0-0.5	.10	.15			
39A:														
Ethridge	0-4	---	---	27-35	1.15-1.35	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	7	38
	4-11	---	---	35-45	1.30-1.50	0.06-0.2	0.15-0.19	6.0-8.9	1.0-2.0	.32	.32			
	11-20	---	---	30-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	20-60	---	---	25-40	1.30-1.50	0.06-0.2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
39C:														
Ethridge	0-4	---	---	27-35	1.15-1.35	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	7	38
	4-11	---	---	35-45	1.30-1.50	0.06-0.2	0.15-0.19	6.0-8.9	1.0-2.0	.32	.32			
	11-20	---	---	30-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	20-60	---	---	25-40	1.30-1.50	0.06-0.2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
40A:														
Savage	0-6	---	---	27-35	1.20-1.40	0.6-2	0.16-0.20	3.0-5.9	2.0-4.0	.32	.32	5	7	38
	6-15	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32			
	15-60	---	---	30-45	1.35-1.55	0.06-0.2	0.13-0.16	6.0-8.9	0.5-1.0	.32	.32			
40C:														
Savage	0-6	---	---	27-35	1.20-1.40	0.6-2	0.16-0.20	3.0-5.9	2.0-4.0	.32	.32	5	7	38
	6-15	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32			
	15-60	---	---	30-45	1.35-1.55	0.06-0.2	0.13-0.16	6.0-8.9	0.5-1.0	.32	.32			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
41A:														
Eapa	0-6	---	---	20-30	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	2.0-4.0	.32	.37	5	6	48
	6-13	---	---	24-34	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.28	.32			
	13-23	---	---	20-33	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.0-1.0	.28	.32			
	23-60	---	---	18-30	1.35-1.50	0.6-2	0.17-0.20	3.0-5.9	0.0-0.5	.28	.32			
41C:														
Eapa	0-6	---	---	20-30	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	2.0-4.0	.32	.37	5	6	48
	6-13	---	---	24-34	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.28	.32			
	13-23	---	---	20-33	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.0-1.0	.28	.32			
	23-60	---	---	18-30	1.35-1.50	0.6-2	0.17-0.20	3.0-5.9	0.0-0.5	.28	.32			
43F:														
Abor	0-5	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	5-23	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	23-60	---	---	---	---	---	---	---	---	---	---			
Lilsheep	0-7	---	---	18-27	1.30-1.50	0.6-2	0.08-0.10	0.0-2.9	2.0-4.0	.05	.32	4	6	48
	7-43	---	---	18-27	1.55-1.75	0.6-2	0.07-0.08	0.0-2.9	1.0-2.0	.15	.37			
	43-60	---	---	---	---	---	---	---	---	---	---			
44A:														
Farnuf	0-5	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	5-25	---	---	25-35	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	1.0-3.0	.32	.32			
	25-60	---	---	20-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
44C:														
Farnuf	0-5	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	5-25	---	---	25-35	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	1.0-3.0	.32	.32			
	25-60	---	---	20-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
45A:														
Glendive	0-4	---	---	5-15	1.30-1.50	2-6	0.13-0.16	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.30-1.50	2-6	0.15-0.18	0.0-2.9	0.5-1.0	.32	.32			
46A:														
Hanly	0-5	---	---	5-10	1.30-1.50	6-20	0.08-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	5-60	---	---	5-10	1.45-1.65	6-20	0.08-0.11	0.0-2.9	0.5-1.0	.17	.17			
47A:														
Harlake	0-8	---	---	40-55	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37	5	4	86
	8-41	---	---	35-60	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	41-60	---	---	15-35	1.30-1.55	0.06-0.2	0.12-0.14	0.0-2.9	0.5-1.0	.37	.37			
50C:														
Kremlin	0-8	---	---	18-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-15	---	---	18-30	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	15-60	---	---	18-30	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
51C:														
Shambo	0-7	---	---	10-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	2.0-6.0	.28	.28	5	6	48
	7-12	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37			
	12-60	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
52A:														
Sagedale	0-5	---	---	30-40	1.20-1.40	0.06-0.2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	5-16	---	---	32-45	1.30-1.50	0.06-0.2	0.15-0.18	3.0-5.9	1.0-2.0	.32	.37			
	16-24	---	---	35-45	1.30-1.50	0.06-0.2	0.15-0.17	3.0-5.9	0.5-1.0	.32	.37			
	24-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.16	3.0-5.9	0.0-0.5	.32	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
52C:														
Sagedale	0-5	---	---	30-40	1.20-1.40	0.06-0.2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	5-16	---	---	32-45	1.30-1.50	0.06-0.2	0.15-0.18	3.0-5.9	1.0-2.0	.32	.37			
	16-24	---	---	35-45	1.30-1.50	0.06-0.2	0.15-0.17	3.0-5.9	0.5-1.0	.32	.37			
	24-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.16	3.0-5.9	0.0-0.5	.32	.37			
53A:														
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
53C:														
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
53D:														
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
56A:														
Cherry	0-4	---	---	18-27	1.10-1.50	0.6-2	0.17-0.21	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-33	---	---	18-35	1.20-1.60	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	33-60	---	---	18-35	1.40-1.65	0.2-0.6	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
56C:														
Cherry	0-4	---	---	18-27	1.10-1.50	0.6-2	0.17-0.21	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-33	---	---	18-35	1.20-1.60	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	33-60	---	---	18-35	1.40-1.65	0.2-0.6	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
57A:														
Lonna	0-6	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
57C:														
Lonna	0-6	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
59C:														
Farland	0-6	---	---	15-27	1.20-1.50	0.6-2	0.18-0.22	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	6-13	---	---	27-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.32	.32			
	13-45	---	---	20-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	45-60	---	---	20-35	1.20-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
60A:														
Golva	0-5	---	---	18-27	1.20-1.50	0.6-2	0.20-0.23	3.0-5.9	1.0-6.0	.28	.28	5	6	48
	5-60	---	---	18-30	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
60C:														
Golva	0-5	---	---	18-27	1.20-1.50	0.6-2	0.20-0.23	3.0-5.9	1.0-6.0	.28	.28	5	6	48
	5-60	---	---	18-30	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
61A:														
Marias	0-5	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	5-30	---	---	40-60	1.30-1.50	0.0015-0.06	0.12-0.16	6.0-8.9	0.5-1.0	.37	.37			
	30-60	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.16	6.0-8.9	0.0-0.5	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
62A:														
Marvan	0-3	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	3-34	---	---	45-60	1.30-1.50	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	34-60	---	---	45-60	1.30-1.50	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
62C:														
Marvan	0-3	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	3-34	---	---	45-60	1.30-1.50	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	34-60	---	---	45-60	1.30-1.50	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
64A:														
Pinehill	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-26	---	---	35-50	1.15-1.30	0.2-0.6	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	26-60	---	---	18-35	1.20-1.35	0.2-0.6	0.15-0.18	3.0-5.9	0.0-0.5	.43	.43			
64C:														
Pinehill	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-26	---	---	35-50	1.15-1.30	0.2-0.6	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	26-60	---	---	18-35	1.20-1.35	0.2-0.6	0.15-0.18	3.0-5.9	0.0-0.5	.43	.43			
64D:														
Pinehill	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-26	---	---	35-50	1.15-1.30	0.2-0.6	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	26-60	---	---	18-35	1.20-1.35	0.2-0.6	0.15-0.18	3.0-5.9	0.0-0.5	.43	.43			
67A:														
Riverwash	---	---	---	---	---	---	---	---	---	---	---	-	---	---
75C:														
Weingart	0-7	---	---	27-40	1.20-1.40	0.06-0.2	0.16-0.19	3.0-5.9	1.0-2.0	.43	.43	2	6	48
	7-9	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.15	6.0-8.9	0.5-1.0	.37	.37			
	9-12	---	---	35-55	1.30-1.55	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
	12-30	---	---	35-55	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.37	.37			
	30-34	---	---	---	---	---	---	---	---	---	---			
Ivanell	0-7	---	---	27-32	1.20-1.40	0.6-2	0.16-0.19	0.0-2.9	1.0-2.0	.32	.32	3	6	48
	7-12	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.19	3.0-5.9	1.0-2.0	.32	.32			
	12-21	---	---	27-35	1.30-1.50	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.32	.32			
	21-33	---	---	27-35	1.30-1.55	0.2-0.6	0.11-0.13	3.0-5.9	0.0-0.5	.32	.32			
	33-37	---	---	---	---	---	---	---	---	---	---			
76B:														
Vanstel	0-3	---	---	14-25	1.10-1.30	0.6-2	0.16-0.19	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	3-13	---	---	25-35	1.30-1.50	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	13-60	---	---	18-30	1.25-1.50	0.6-2	0.14-0.17	0.0-2.9	0.0-0.5	.37	.37			
76C:														
Vanstel	0-3	---	---	14-25	1.10-1.30	0.6-2	0.16-0.19	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	3-13	---	---	25-35	1.30-1.50	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	13-60	---	---	18-30	1.25-1.50	0.6-2	0.14-0.17	0.0-2.9	0.0-0.5	.37	.37			
77A:														
Havre	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
Bigsandy	0-3	---	---	15-27	1.07-1.36	0.6-2	0.14-0.18	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	3-60	---	---	18-35	1.30-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
79A:														
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
79C:														
Yamacall----------	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
79D:														
Yamacall----------	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
81A:														
Creed----------	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
81C:														
Creed----------	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
85C:														
Foreleft----------	0-4	---	---	15-25	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-21	---	---	27-35	1.30-1.50	0.6-2	0.15-0.18	3.0-5.9	0.5-1.0	.32	.32			
	21-60	---	---	18-30	1.30-1.55	0.6-2	0.16-0.19	0.0-2.9	0.0-0.5	.37	.37			
88A:														
Floweree----------	0-7	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-16	---	---	20-35	1.20-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	16-60	---	---	20-35	1.20-1.45	0.2-0.6	0.15-0.19	3.0-5.9	0.5-1.0	.32	.32			
88C:														
Floweree----------	0-7	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-16	---	---	20-35	1.20-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	16-60	---	---	20-35	1.20-1.45	0.2-0.6	0.15-0.19	3.0-5.9	0.5-1.0	.32	.32			
90A:														
Sonnett----------	0-6	---	---	15-25	1.15-1.35	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.43	.43	5	5	56
	6-14	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	14-25	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	25-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
90C:														
Sonnett----------	0-6	---	---	15-25	1.15-1.35	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.43	.43	5	5	56
	6-14	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	14-25	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	25-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
93B:														
Brushton----------	0-6	---	---	15-27	1.15-1.30	0.6-2	0.15-0.19	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	6-18	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	18-60	---	---	15-27	1.30-1.55	0.6-2	0.15-0.18	0.0-2.9	0.0-0.5	.37	.37			
98A:														
Macar----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	11-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
98C:														
Macar----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	11-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
112C:														
Absher	0-5	---	---	27-40	1.20-1.40	0.06-0.2	0.12-0.16	3.0-5.9	1.0-2.0	.43	.43	2	7	38
	5-9	---	---	35-60	1.35-1.60	0.0015-0.06	0.08-0.10	6.0-8.9	0.5-1.0	.37	.37			
	9-60	---	---	35-50	1.30-1.55	0.0015-0.06	0.05-0.07	6.0-8.9	0.0-0.5	.43	.43			
121D:														
Kremlin	0-8	---	---	18-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-15	---	---	18-30	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	15-60	---	---	18-30	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
Tinsley	0-6	---	---	5-15	1.30-1.50	2-6	0.07-0.09	0.0-2.9	0.7-2.0	.05	.20	5	3	86
	6-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	.17			
Degrand	0-7	---	---	10-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	2.0-3.0	.32	.32	3	5	56
	7-16	---	---	20-35	1.40-1.60	0.6-2	0.13-0.16	3.0-5.9	1.0-2.0	.32	.32			
	16-31	---	---	15-30	1.35-1.60	0.6-2	0.13-0.16	0.0-2.9	0.5-1.0	.32	.32			
	31-60	---	---	0-5	1.50-1.70	6-20	0.03-0.04	0.0-2.9	0.0-0.5	.10	.15			
122D:														
Tinsley	0-6	---	---	5-15	1.20-1.45	2-6	0.07-0.09	0.0-2.9	0.7-2.0	.10	.32	5	3	86
	6-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	.17			
Chanta	0-6	---	---	15-25	1.15-1.35	0.6-2	0.15-0.18	0.0-2.9	2.0-4.0	.37	.37	3	5	56
	6-18	---	---	15-27	1.25-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-2.0	.37	.43			
	18-27	---	---	15-27	1.30-1.50	0.6-2	0.14-0.17	0.0-2.9	0.5-1.0	.37	.43			
	27-60	---	---	0-5	1.50-1.70	6-20	0.02-0.06	0.0-2.9	0.0-0.5	.05	.17			
123F:														
Tinsley	0-6	---	---	5-15	1.20-1.45	2-6	0.07-0.09	0.0-2.9	0.7-2.0	.10	.32	5	3	86
	6-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	.17			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			
151F:														
Armells	0-6	---	---	10-22	1.25-1.45	0.6-2	0.12-0.15	0.0-2.9	1.0-2.0	.20	.37	5	4L	86
	6-60	---	---	15-27	1.40-1.65	0.6-2	0.06-0.08	0.0-2.9	0.0-1.0	.10	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			
Kirby	0-6	---	---	10-22	1.40-1.60	2-6	0.07-0.09	0.0-2.9	1.0-2.0	.10	.32	2	5	56
	6-12	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	.28			
	12-16	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
191C:														
Archin	0-3	---	---	15-25	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.49	.49	2	6	48
	3-12	---	---	25-34	1.40-1.60	0.06-0.2	0.12-0.16	3.0-5.9	0.0-1.0	.37	.37			
	12-60	---	---	20-30	1.35-1.60	0.06-0.2	0.10-0.13	3.0-5.9	0.0-0.5	.37	.37			
Gerdrum	0-3	---	---	20-27	1.15-1.35	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.43	.43	2	6	48
	3-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	.43			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
192C:														
Archin	0-3	---	---	15-25	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.49	.49	2	6	48
	3-12	---	---	25-34	1.40-1.60	0.06-0.2	0.12-0.16	3.0-5.9	0.0-1.0	.37	.37			
	12-60	---	---	20-30	1.35-1.60	0.06-0.2	0.10-0.13	3.0-5.9	0.0-0.5	.37	.37			
Davidell	0-5	---	---	27-35	1.15-1.35	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.32	5	5	56
	5-9	---	---	27-35	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	9-29	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
	29-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	.32			
Bullock	0-4	---	---	10-20	1.30-1.50	2-6	0.13-0.15	0.0-2.9	1.0-3.0	.49	.49	2	3	86
	4-10	---	---	27-35	1.30-1.50	0.06-0.2	0.12-0.14	3.0-5.9	0.5-1.0	.37	.37			
	10-34	---	---	25-32	1.40-1.60	0.06-0.2	0.10-0.12	3.0-5.9	0.0-0.5	.37	.37			
	34-60	---	---	---	---	---	---	---	---	---	---			
222D:														
Floweree	0-7	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-16	---	---	20-35	1.20-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	16-60	---	---	20-35	1.20-1.45	0.2-0.6	0.15-0.19	3.0-5.9	0.5-1.0	.32	.32			
Cambeth	0-3	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	---	---	---	---	---			
Lilsheep	0-7	---	---	18-27	1.20-1.40	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.17	.37	4	6	48
	7-43	---	---	18-27	1.55-1.75	0.6-2	0.07-0.08	0.0-2.9	1.0-2.0	.15	.37			
	43-60	---	---	---	---	---	---	---	---	---	---			
228F:														
Cambeth	0-3	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	---	---	---	---	---			
Lilsheep	0-7	---	---	18-27	1.20-1.40	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.17	.37	4	6	48
	7-43	---	---	18-27	1.55-1.75	0.6-2	0.07-0.08	0.0-2.9	1.0-2.0	.15	.37			
	43-60	---	---	---	---	---	---	---	---	---	---			
Lonna	0-6	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
241B:														
Davidell	0-5	---	---	27-33	1.15-1.35	0.2-0.6	0.14-0.17	3.0-5.9	1.0-3.0	.32	.32	5	7	38
	5-9	---	---	27-35	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	9-29	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
	29-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	.32			
Antwerp	0-9	---	---	27-33	1.20-1.40	0.06-0.2	0.14-0.18	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	9-40	---	---	22-35	1.20-1.45	0.06-0.2	0.11-0.13	3.0-5.9	0.5-1.0	.37	.37			
	40-60	---	---	22-35	1.20-1.50	0.06-0.2	0.08-0.10	3.0-5.9	0.0-0.5	.37	.37			
242C:														
Davidell	0-5	---	---	27-33	1.15-1.35	0.2-0.6	0.14-0.17	3.0-5.9	1.0-3.0	.32	.32	5	7	38
	5-9	---	---	27-35	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	9-29	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
	29-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	.32			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
242C: (cont.)														
Ivanell	0-7	---	---	18-25	1.10-1.30	0.6-2	0.17-0.20	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	7-12	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.19	3.0-5.9	1.0-2.0	.32	.32			
	12-21	---	---	27-35	1.30-1.50	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.32	.32			
	21-33	---	---	27-35	1.30-1.55	0.2-0.6	0.11-0.13	3.0-5.9	0.0-0.5	.32	.32			
	33-37	---	---	---	---	---	---	---	---	---	---			
271E:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
Blacksheep	0-6	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	6-16	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	16-60	---	---	---	---	---	---	---	---	---	---			
Twilight	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-34	---	---	---	---	---	---	---	---	---	---			
277D:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
Twilight	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-60	---	---	---	---	---	---	---	---	---	---			
278E:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
Yetull	0-6	---	---	0-10	1.35-1.55	6-20	0.05-0.08	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	6-60	---	---	0-10	1.45-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.17	.17			
293E:														
Cambeth	0-4	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	4-14	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	14-30	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	30-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-18	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Kirby	0-4	---	---	10-22	1.30-1.50	2-6	0.11-0.14	0.0-2.9	1.0-2.0	.17	.32	2	5	56
	4-12	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	.28			
	12-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.5	.02	---			
296F:														
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	---	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
296F: (cont.)														
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
297C:														
Cambeth	0-3	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	---	---	---	---	---			
Megonot	0-3	---	---	27-35	1.15-1.35	0.06-0.2	0.15-0.18	6.0-8.9	1.0-3.0	.37	.37	3	7	38
	3-16	---	---	35-45	1.25-1.45	0.06-0.2	0.12-0.14	6.0-8.9	0.5-1.0	.37	.37			
	16-24	---	---	35-45	1.30-1.50	0.06-0.2	0.10-0.12	6.0-8.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
297D:														
Cambeth	0-3	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	---	---	---	---	---			
Megonot	0-3	---	---	27-35	1.15-1.35	0.06-0.2	0.15-0.18	6.0-8.9	1.0-3.0	.37	.37	3	7	38
	3-16	---	---	35-45	1.25-1.45	0.06-0.2	0.12-0.14	6.0-8.9	0.5-1.0	.37	.37			
	16-24	---	---	35-45	1.30-1.50	0.06-0.2	0.10-0.12	6.0-8.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
297E:														
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-19	---	---	---	---	---	---	---	---	---	---			
Yawdim	0-5	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.37	.37	2	4	86
	5-18	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	.32			
	18-22	---	---	---	---	---	---	---	---	---	---			
311A:														
Ryell	0-6	---	---	15-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.43	.43	3	5	56
	6-28	---	---	10-18	1.30-1.50	0.6-2	0.15-0.19	0.0-2.9	0.5-1.0	.37	.37			
	28-60	---	---	0-10	1.45-1.60	6-20	0.02-0.03	0.0-2.9	0.0-0.5	.05	.20			
341D:														
Tally	0-4	---	---	10-20	1.25-1.45	2-6	0.14-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	4-16	---	---	5-18	1.35-1.60	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.20	.20			
	16-60	---	---	5-18	1.40-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
Vebar	0-5	---	---	10-18	1.25-1.45	2-6	0.12-0.14	0.0-2.9	1.0-4.0	.20	.20	3	3	86
	5-12	---	---	10-18	1.30-1.60	2-6	0.12-0.14	0.0-2.9	1.0-2.0	.20	.20			
	12-35	---	---	7-15	1.40-1.65	2-6	0.08-0.10	0.0-2.9	0.5-1.0	.17	.17			
	35-60	---	---	---	---	---	---	---	---	---	---			
342C:														
Tally	0-4	---	---	10-20	1.25-1.45	2-6	0.14-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	4-16	---	---	5-18	1.35-1.60	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.20	.20			
	16-60	---	---	5-18	1.40-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
Shambo	0-7	---	---	10-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	2.0-6.0	.28	.28	5	6	48
	7-12	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37			
	12-60	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
352D:														
Chinook	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-13	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	13-38	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	38-60	---	---	5-15	1.40-1.65	2-6	0.11-0.12	0.0-2.9	0.0-0.0	.20	.20			
Twilight	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-34	---	---	---	---	---	---	---	---	---	---			
353C:														
Chinook	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-13	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	13-38	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	38-60	---	---	5-15	1.40-1.65	2-6	0.11-0.12	0.0-2.9	0.0-0.0	.20	.20			
Kremlin	0-8	---	---	18-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-15	---	---	18-30	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	15-62	---	---	18-30	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
355C:														
Chinook	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-13	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	13-38	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	38-60	---	---	5-15	1.40-1.65	2-6	0.11-0.12	0.0-2.9	0.0-0.0	.20	.20			
Twilight	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-34	---	---	---	---	---	---	---	---	---	---			
Eapa	0-6	---	---	20-30	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	2.0-4.0	.28	.32	5	6	48
	6-13	---	---	24-34	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.28	.32			
	13-23	---	---	20-33	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.0-1.0	.28	.32			
	23-60	---	---	18-30	1.35-1.50	0.6-2	0.17-0.20	3.0-5.9	0.0-0.5	.28	.32			
357D:														
Chinook	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-13	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	13-38	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
	38-60	---	---	5-15	1.40-1.65	2-6	0.11-0.12	0.0-2.9	0.0-0.0	.20	.20			
Lihen	0-12	---	---	5-10	1.35-1.55	6-20	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	12-60	---	---	0-10	1.40-1.65	6-20	0.07-0.09	0.0-2.9	0.0-0.5	.17	.17			
Twilight	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-34	---	---	---	---	---	---	---	---	---	---			
361E:														
Doney	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	3	5	56
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	24-28	---	---	---	---	---	---	---	---	---	---			
Broadus	0-4	---	---	18-27	1.20-1.45	0.6-2	0.16-0.19	0.0-2.9	0.5-2.0	.37	.37	5	6	48
	4-10	---	---	18-35	1.20-1.45	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	10-40	---	---	18-35	1.25-1.50	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	40-60	---	---	18-35	1.25-1.50	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
361E: (cont.)														
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-18	---	---	---	---	---	---	---	---	---	---			
381F:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
Armells	0-6	---	---	10-22	1.25-1.45	0.6-2	0.12-0.15	0.0-2.9	1.0-2.0	.20	.37	5	4L	86
	6-60	---	---	15-27	1.40-1.65	0.6-2	0.06-0.08	0.0-2.9	0.0-1.0	.10	---			
383F:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			
Yawdim	0-5	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	5-18	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	.32			
	18-60	---	---	---	---	---	---	---	---	---	---			
385E:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-17	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	17-28	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Yamacall	0-5	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-11	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	11-48	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	48-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-18	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
386F:														
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
387D:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-36	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
387D: (cont.)														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
Blacksheep	0-6	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	6-16	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	16-60	---	---	---	---	---	---	---	---	---	---			
388D:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
Yawdim	0-5	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	5-18	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	.32			
	18-60	---	---	---	---	---	---	---	---	---	---			
421A:														
Gerdrum	0-3	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	3-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	.43			
Creed	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
421C:														
Gerdrum	0-3	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	3-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	.43			
Creed	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
421D:														
Gerdrum	0-3	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	3-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	.43			
Creed	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
432D:														
Slickspots	---	---	---	---	---	---	---	---	---	---	---	-	---	---
Abor	0-5	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	5-23	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	23-60	---	---	---	---	---	---	---	---	---	---			
451A:														
Glendive	0-4	---	---	5-15	1.40-1.60	2-6	0.10-0.13	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
452A:														
Glendive----------	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	4-60	---	---	5-18	1.30-1.50	2-6	0.15-0.18	0.0-2.9	0.5-1.0	.32	.32			
453A:														
Glendive----------	0-4	---	---	5-15	1.40-1.60	2-6	0.10-0.13	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			
Havre----------	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
456A:														
Havre----------	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
Glendive----------	0-4	---	---	5-15	1.40-1.60	2-6	0.10-0.13	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			
461A:														
Hanly----------	0-5	---	---	5-10	1.30-1.50	6-20	0.08-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	5-60	---	---	5-10	1.45-1.65	6-20	0.08-0.11	0.0-2.9	0.5-1.0	.17	.17			
462A:														
Hanly----------	0-5	---	---	0-10	1.10-1.50	6-20	0.08-0.12	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	5-60	---	---	0-12	1.20-1.60	6-20	0.05-0.14	0.0-2.9	0.5-1.0	.17	.17			
Glendive----------	0-4	---	---	5-15	1.30-1.50	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.30-1.55	2-6	0.15-0.18	0.0-2.9	0.5-1.0	.32	.32			
471A:														
Harlake----------	0-8	---	---	40-55	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37	5	4	86
	8-60	---	---	35-55	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
473A:														
Lallie----------	0-6	---	---	40-60	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	3.0-7.0	.24	.24	5	4	86
	6-60	---	---	35-60	1.20-1.40	0.06-0.2	0.13-0.23	6.0-8.9	0.5-2.0	.37	.37			
481A:														
Havre----------	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
483A:														
Havre----------	0-9	---	---	40-55	---	0.06-0.2	0.12-0.16	6.0-8.9	0.5-2.0	.37	.37	5	4	86
	9-60	---	---	18-30	---	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
486A:														
Glendive----------	0-4	---	---	5-15	1.30-1.50	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	4-60	---	---	5-18	1.30-1.55	2-6	0.15-0.18	0.0-2.9	0.5-1.0	.32	.32			
Havre----------	0-9	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-35	1.35-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
487A:														
Havre----------	0-9	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	9-60	---	---	18-35	1.35-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
Harlake----------	0-8	---	---	27-40	1.30-1.50	0.06-0.2	0.14-0.18	3.0-5.9	0.5-1.0	.43	.43	5	7	38
	8-60	---	---	35-60	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
488A:														
Havre----------	0-9	---	---	27-35	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	0.5-2.0	.37	.37	5	7	38
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
489A:														
Spinekop	0-6	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.32	.32	5	7	38
	6-11	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	11-18	---	---	18-35	1.30-1.50	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	18-32	1.30-1.50	0.2-0.6	0.15-0.18	0.0-2.9	0.0-0.5	.37	.37			
491A:														
Ismay	0-4	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	4-30	---	---	18-35	1.25-1.45	0.2-0.6	0.11-0.14	3.0-5.9	0.5-1.0	.32	.32			
	30-60	---	---	18-35	1.25-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.5-1.0	.37	.37			
501C:														
Kremlin	0-8	---	---	18-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-15	---	---	18-30	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	15-62	---	---	18-30	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
511C:														
Shambo	0-7	---	---	10-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	2.0-6.0	.28	.28	5	6	48
	7-12	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37			
	12-60	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
Doney	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	3	6	48
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
531D:														
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
532C:														
Kobase	0-8	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-18	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	18-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
Gerdrum	0-3	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	7	38
	3-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	.43			
534C:														
Marias	0-5	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.37	.37	5	4	86
	5-30	---	---	40-60	1.30-1.50	0.0015-0.06	0.12-0.16	6.0-8.9	0.5-1.0	.37	.37			
	30-60	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.16	6.0-8.9	0.0-0.5	.37	.37			
542E:														
Lihen	0-12	---	---	5-10	1.35-1.55	6-20	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	12-60	---	---	0-10	1.40-1.65	6-20	0.07-0.09	0.0-2.9	0.0-0.5	.17	.17			
Yetull	0-6	---	---	0-10	1.50-1.70	6-20	0.04-0.06	0.0-2.9	1.0-2.0	.05	.10	5	2	134
	6-60	---	---	0-10	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.0-1.0	.17	.17			
552D:														
Neldore	0-3	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	3-14	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	.32			
	14-18	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.32	.32			
	18-60	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
552D: (cont.)														
Abor	0-5	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	5-23	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	23-60	---	---	---	---	---	---	---	---	---	---			
Marvan	0-3	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	3-34	---	---	45-60	1.30-1.50	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	34-60	---	---	45-60	1.30-1.50	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
554E:														
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
Weingart	0-7	---	---	27-40	1.20-1.40	0.06-0.2	0.16-0.19	3.0-5.9	1.0-2.0	.43	.43	2	6	48
	7-9	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.15	6.0-8.9	0.5-1.0	.37	.37			
	9-12	---	---	35-55	1.30-1.55	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
	12-30	---	---	35-55	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.37	.37			
	30-60	---	---	---	---	---	---	---	---	---	---			
561C:														
Cherry	0-4	---	---	18-27	1.10-1.50	0.6-2	0.17-0.21	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-33	---	---	18-35	1.20-1.60	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	33-60	---	---	18-35	1.40-1.65	0.2-0.6	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-18	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	18-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-60	---	---	---	---	---	---	---	---	---	---			
562D:														
Cherry	0-4	---	---	18-27	1.10-1.50	0.6-2	0.17-0.21	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-33	---	---	18-35	1.20-1.60	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	33-60	---	---	18-35	1.40-1.65	0.2-0.6	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-18	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	18-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-60	---	---	---	---	---	---	---	---	---	---			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-12	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	12-60	---	---	---	---	---	---	---	---	---	---			
573D:														
Lonna	0-6	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
574E:														
Lonna----------	0-3	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	10-30	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	30-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Cambeth----------	0-4	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	4-14	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	14-30	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	30-40	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Cabbart----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-18	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
575C:														
Lonna----------	0-6	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
Cambeth----------	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
576A:														
Lonna----------	0-6	---	---	27-35	1.15-1.35	0.6-2	0.16-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
576C:														
Lonna----------	0-6	---	---	27-35	1.15-1.35	0.6-2	0.16-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4L	86
	6-16	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	16-31	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	31-60	---	---	10-35	1.25-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
577D:														
Lonna----------	0-3	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	10-30	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	30-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Cambeth----------	0-4	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	4-14	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	14-30	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	30-40	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Cabbart----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-16	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	16-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
581C:														
Ivanell----------	0-7	---	---	18-25	1.10-1.30	0.6-2	0.17-0.20	0.0-2.9	1.0-2.0	.37	.37	3	6	48
	7-12	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.19	3.0-5.9	1.0-2.0	.32	.32			
	12-21	---	---	27-35	1.30-1.50	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.32	.32			
	21-33	---	---	27-35	1.30-1.55	0.2-0.6	0.11-0.13	3.0-5.9	0.0-0.5	.32	.32			
	33-37	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
581C: (cont.)														
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-19	---	---	---	---	---	---	---	---	---	---			
602C:														
Bonfri	0-4	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	2	6	48
	4-18	---	---	27-35	1.35-1.60	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.32	.32			
	18-32	---	---	20-32	1.35-1.60	0.2-0.6	0.15-0.18	0.0-2.9	0.0-0.5	.32	.32			
	32-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
603D:														
Busby	0-4	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-14	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	14-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
604E:														
Busby	0-4	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-12	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	12-46	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	46-60	---	---	3-18	1.50-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
Delpoint	0-5	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	5-19	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	19-29	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	29-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Yawdim	0-3	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	1	4	86
	3-15	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	.32			
	15-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
605D:														
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-12	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-9	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	9-38	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	38-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
607C:														
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-9	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	.32			
	9-38	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	.32			
	38-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-12	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
608C:														
Chinook	0-12	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	12-60	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	.20			
612F:														
Kirby	0-6	---	---	10-22	1.30-1.50	2-6	0.11-0.14	0.0-2.9	1.0-2.0	.17	.32	1	5	56
	6-14	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	.28			
	14-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
Blacksheep	0-4	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	4-12	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.0-0.5	.20	.20			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
612F: (cont.)														
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
613C:														
Kremlin	0-8	---	---	18-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-14	---	---	18-30	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-12	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
615C:														
Yamacall	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	3-12	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	12-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Havre	0-7	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	7-60	---	---	18-35	1.35-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
621B:														
Marvan	0-3	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.37	.37	5	4	86
	3-34	---	---	45-60	1.30-1.50	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	34-60	---	---	45-60	1.30-1.50	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
Vanda	0-8	---	---	40-60	1.25-1.45	0.0015-0.06	0.08-0.12	6.0-8.9	0.5-2.0	.37	.37	5	4	86
	8-60	---	---	35-60	1.30-1.50	0.0015-0.06	0.08-0.12	6.0-8.9	0.0-0.5	.37	.37			
631F:														
Bitton	0-10	---	---	15-27	1.15-1.35	2-6	0.14-0.18	0.0-2.9	2.0-4.0	.24	.43	3	5	56
	10-60	---	---	15-27	1.35-1.60	0.6-2	0.07-0.08	0.0-2.9	0.5-1.0	.10	.43			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-18	---	---	---	---	---	---	---	---	---	---			
Ringling	0-7	---	---	10-25	1.30-1.50	0.6-2	0.07-0.09	0.0-2.9	2.0-5.0	.10	.32	3	5	56
	7-30	---	---	10-25	1.40-1.60	2-6	0.06-0.07	0.0-2.9	1.0-2.0	.10	---			
	30-60	---	---	0-5	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.5	.02	---			
641D:														
Pinehill	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-26	---	---	35-50	1.15-1.30	0.2-0.6	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	26-60	---	---	18-35	1.20-1.35	0.2-0.6	0.15-0.18	3.0-5.9	0.0-0.5	.43	.43			
Absher	0-5	---	---	27-40	1.20-1.40	0.06-0.2	0.12-0.16	3.0-5.9	1.0-2.0	.43	.43	2	6	48
	5-9	---	---	35-60	1.35-1.60	0.0015-0.06	0.08-0.10	6.0-8.9	0.5-1.0	.37	.37			
	9-60	---	---	35-50	1.30-1.55	0.0015-0.06	0.05-0.07	6.0-8.9	0.0-0.5	.43	.43			
650F:														
Armells	0-5	---	---	10-22	1.25-1.45	0.6-2	0.12-0.15	0.0-2.9	1.0-2.0	.20	.37	5	4L	86
	5-60	---	---	15-27	1.40-1.65	0.6-2	0.06-0.08	0.0-2.9	0.0-1.0	.10	---			
Delpoint	0-4	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	4-32	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	32-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-16	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	16-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
651C:														
Busby	0-6	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	6-15	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	15-46	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	46-60	---	---	3-18	1.50-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
Twilight	0-6	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	6-22	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	22-32	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	32-36	---	---	---	---	---	---	---	---	---	---			
Blacksheep	0-6	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	6-17	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	17-21	---	---	---	---	---	---	---	---	---	---			
652C:														
Chinook	0-3	---	---	5-15	1.25-1.45	2-6	0.12-0.15	0.0-2.9	1.0-3.0	.24	.24	5	3	86
	3-12	---	---	5-15	1.30-1.50	2-6	0.12-0.15	0.0-2.9	1.0-2.0	.32	---			
	12-40	---	---	5-15	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.32	---			
	40-52	---	---	5-18	1.40-1.60	0.6-2	0.10-0.13	0.0-2.9	0.0-0.5	.32	---			
	52-60	---	---	15-27	1.40-1.60	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.37	---			
653B:														
Davidell	0-8	---	---	15-24	1.15-1.35	0.6-2	0.16-0.19	0.0-2.9	1.0-3.0	.37	.37	5	5	56
	8-30	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	---			
	30-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	---			
654B:														
Eapa	0-6	---	---	20-30	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	2.0-4.0	.28	.32	5	6	48
	6-13	---	---	24-34	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.28	.32			
	13-23	---	---	20-33	1.30-1.45	0.6-2	0.16-0.20	3.0-5.9	0.0-1.0	.28	.32			
	23-60	---	---	18-30	1.35-1.50	0.6-2	0.17-0.20	3.0-5.9	0.0-0.5	.28	.32			
656A:														
Gerdrum	0-7	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	7-18	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	18-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
657C:														
Gerdrum	0-7	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	7-23	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	23-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
658C:														
Gerdrum	0-7	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	7-22	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	22-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
Marvan	0-3	---	---	40-60	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	5	4	86
	3-28	---	---	45-60	1.30-1.50	0.0015-0.06	0.11-0.13	6.0-8.9	0.5-1.0	.37	---			
	28-60	---	---	45-60	1.30-1.50	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	---			
659A:														
Glendive	0-4	---	---	10-20	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	4-17	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	---			
	17-60	---	---	5-18	1.35-1.60	2-6	0.10-0.13	0.0-2.9	0.5-1.0	.20	---			
660A:														
Hanly	0-7	---	---	15-25	1.25-1.45	0.6-2	0.15-0.19	0.0-2.9	0.5-1.0	.43	.43	5	5	56
	7-60	---	---	5-10	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.17	---			
Glendive	0-8	---	---	10-20	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	8-60	---	---	5-18	1.35-1.60	2-6	0.10-0.13	0.0-2.9	0.5-1.0	.20	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
661A:														
Havre	0-12	---	---	27-40	1.30-1.50	0.2-0.6	0.10-0.12	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	12-60	---	---	18-35	1.40-1.60	0.6-2	0.10-0.12	0.0-2.9	0.5-1.0	.28	---			
662F:														
Neldore	0-2	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	2-12	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	---			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Abor	0-3	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	3-28	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
663F:														
Neldore	0-3	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	3-14	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Abor	0-4	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	4-28	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
664F:														
Neldore	0-2	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	2-10	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	---			
	10-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
665F:														
Tinsley	0-7	---	---	5-15	1.20-1.45	2-6	0.07-0.09	0.0-2.9	0.7-2.0	.10	.20	5	3	86
	7-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-17	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	17-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
666C:														
Neldore	0-2	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	2-14	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	.32			
	14-18	---	---	---	---	---	---	---	---	---	---			
Volborg	0-2	---	---	40-50	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.32	.32	2	4	86
	2-11	---	---	40-50	1.30-1.50	0.06-0.2	0.11-0.13	6.0-8.9	0.0-0.5	.32	.32			
	11-15	---	---	---	---	---	---	---	---	---	---			
667E:														
Weingart	0-7	---	---	40-45	1.20-1.40	0.0015-0.06	0.15-0.18	6.0-8.9	1.0-2.0	.37	.37	2	4	86
	7-16	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.15	6.0-8.9	0.5-1.0	.37	---			
	16-25	---	---	35-55	1.30-1.55	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	---			
	25-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Neldore	0-2	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	2-17	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	---			
	17-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
668A:														
Zatoville	0-7	---	---	27-40	1.15-1.35	0.2-0.6	0.16-0.19	3.0-5.9	1.0-3.0	.37	.37	5	4	86
	7-30	---	---	35-45	1.30-1.50	0.06-0.2	0.11-0.14	3.0-5.9	0.5-1.0	.37	---			
	30-46	---	---	25-40	1.30-1.50	0.06-0.2	0.11-0.14	3.0-5.9	0.0-0.5	.37	---			
	46-60	---	---	25-40	1.30-1.50	0.06-0.2	0.10-0.13	3.0-5.9	0.0-0.5	.37	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi- bility group	Wind erodi- bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
681A:														
Rivra	0-5	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	5-60	---	---	0-5	1.50-1.70	20-20	0.02-0.03	0.0-2.9	0.0-0.5	.02	.10			
Rivra	0-5	---	---	5-15	1.30-1.50	2-6	0.10-0.11	0.0-2.9	0.5-2.0	.15	.20	5	3	86
	5-60	---	---	0-5	1.55-1.75	20-20	0.02-0.03	0.0-2.9	0.0-0.5	.02	.10			
691F:														
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-60	---	---	---	---	---	---	---	---	---	---			
Kirby	0-6	---	---	10-22	1.40-1.60	2-6	0.07-0.09	0.0-2.9	1.0-2.0	.10	.32	2	5	56
	6-12	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	.28			
	12-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
701E:														
Lamedeer	0-4	---	---	12-23	1.15-1.35	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.17	.37	5	5	56
	4-26	---	---	15-25	1.35-1.55	0.6-2	0.09-0.12	0.0-2.9	1.0-2.0	.17	.37			
	26-60	---	---	8-20	1.40-1.65	0.6-2	0.05-0.06	0.0-2.9	0.0-1.0	.10	---			
Broadus	0-4	---	---	18-27	1.20-1.45	0.6-2	0.16-0.19	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-10	---	---	18-35	1.20-1.45	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	10-40	---	---	18-35	1.25-1.50	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	.32			
	40-60	---	---	18-35	1.25-1.50	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.37	.37			
Ringling	0-7	---	---	10-25	1.20-1.40	0.6-2	0.12-0.16	0.0-2.9	2.0-5.0	.17	.32	3	5	56
	7-30	---	---	10-25	1.40-1.60	2-6	0.06-0.07	0.0-2.9	1.0-2.0	.10	---			
	30-60	---	---	0-5	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.5	.02	---			
702F:														
Lamedeer	0-4	---	---	12-23	1.15-1.35	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.17	.37	5	5	56
	4-26	---	---	15-25	1.35-1.55	0.6-2	0.09-0.12	0.0-2.9	1.0-2.0	.17	.37			
	26-60	---	---	8-20	1.40-1.65	0.6-2	0.05-0.06	0.0-2.9	0.0-1.0	.10	---			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
Ringling	0-7	---	---	10-25	1.20-1.40	0.6-2	0.12-0.16	0.0-2.9	2.0-5.0	.17	.32	3	5	56
	7-30	---	---	10-25	1.40-1.60	2-6	0.06-0.07	0.0-2.9	1.0-2.0	.10	---			
	30-60	---	---	0-5	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.5	.02	---			
731E:														
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	10-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-60	---	---	---	---	---	---	---	---	---	---			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
Ringling	0-7	---	---	10-25	1.20-1.40	0.6-2	0.12-0.16	0.0-2.9	2.0-5.0	.17	.32	3	5	56
	7-30	---	---	10-25	1.40-1.60	2-6	0.06-0.07	0.0-2.9	1.0-2.0	.10	---			
	30-60	---	---	0-5	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.5	.02	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
732C:														
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	3-18	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	18-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-30	---	---	---	---	---	---	---	---	---	---			
Widen	0-3	---	---	27-40	1.15-1.35	0.6-2	0.16-0.18	3.0-5.9	1.0-3.0	.37	.37	3	7	38
	3-11	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	1.0-2.0	.32	.32			
	11-32	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	0.5-1.0	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
732D:														
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	10-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-30	---	---	---	---	---	---	---	---	---	---			
Widen	0-3	---	---	27-40	1.15-1.35	0.6-2	0.16-0.18	3.0-5.9	1.0-3.0	.37	.37	3	7	38
	3-11	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	1.0-2.0	.32	.32			
	11-32	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	0.5-1.0	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
733E:														
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	10-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-30	---	---	---	---	---	---	---	---	---	---			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-18	---	---	---	---	---	---	---	---	---	---			
Widen	0-3	---	---	27-40	1.15-1.35	0.6-2	0.16-0.18	3.0-5.9	1.0-3.0	.37	.37	3	7	38
	3-11	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	1.0-2.0	.32	.32			
	11-32	---	---	35-50	1.30-1.50	0.06-0.2	0.14-0.16	6.0-8.9	0.5-1.0	.32	.32			
	32-36	---	---	---	---	---	---	---	---	---	---			
734E:														
Cambert	0-3	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	10-26	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	26-60	---	---	---	---	---	---	---	---	---	---			
Cherry	0-4	---	---	18-27	1.10-1.50	0.6-2	0.17-0.21	0.0-2.9	0.5-2.0	.43	.43	5	6	48
	4-33	---	---	18-35	1.20-1.60	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	33-60	---	---	18-35	1.40-1.65	0.2-0.6	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
742E:														
Neldore	0-3	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	3-14	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	.32			
	14-18	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.32	.32			
	18-22	---	---	---	---	---	---	---	---	---	---			
Abor	0-5	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	5-23	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	23-27	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
781A:														
Vanda	0-8	---	---	40-60	1.25-1.45	0.0015-0.06	0.05-0.06	6.0-8.9	1.0-2.0	.43	.43	5	4	86
	8-60	---	---	40-60	1.30-1.50	0.0015-0.06	0.05-0.06	6.0-8.9	0.0-0.5	.24	.24			
797E:														
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
Blacksheep	0-6	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	6-16	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	16-60	---	---	---	---	---	---	---	---	---	---			
798C:														
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
799E:														
Yamacall	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Birney	0-5	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.32	3	5	56
	5-11	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	.32			
	11-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	.43			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
802E:														
Shambo	0-7	---	---	10-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	2.0-6.0	.28	.28	5	6	48
	7-12	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37			
	12-60	---	---	18-35	1.20-1.50	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
Lisk	0-3	---	---	5-18	1.20-1.40	2-6	0.12-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	3-15	---	---	5-18	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.0-2.0	.20	.20			
	15-32	---	---	5-18	1.35-1.60	2-6	0.10-0.14	0.0-2.9	0.5-1.0	.20	.20			
	32-60	---	---	0-10	1.40-1.60	2-6	0.07-0.09	0.0-2.9	0.0-0.5	.17	.17			
Dast	0-3	---	---	2-18	1.30-1.50	2-6	0.12-0.15	0.0-2.9	1.0-2.0	.20	.20	3	3	86
	3-36	---	---	2-18	1.40-1.60	2-6	0.11-0.14	0.0-2.9	0.5-1.0	.20	.20			
	36-60	---	---	---	---	---	---	---	---	---	---			
811C:														
Creed	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.43	.43	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
811C: (cont.)														
Pinehill----------	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-26	---	---	35-50	1.15-1.30	0.2-0.6	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	26-60	---	---	18-35	1.20-1.35	0.2-0.6	0.15-0.18	3.0-5.9	0.0-0.5	.43	.43			
813C:														
Creed----------	0-7	---	---	20-27	1.15-1.40	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.49	.49	2	6	48
	7-15	---	---	35-55	1.30-1.55	0.06-0.2	0.10-0.14	6.0-8.9	1.0-2.0	.32	.32			
	15-28	---	---	27-45	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	25-35	1.30-1.55	0.06-0.2	0.08-0.12	3.0-5.9	0.0-0.5	.37	.37			
Absher----------	0-5	---	---	27-40	1.20-1.40	0.06-0.2	0.12-0.16	3.0-5.9	1.0-2.0	.43	.43	2	7	38
	5-9	---	---	35-60	1.35-1.60	0.0015-0.06	0.08-0.10	6.0-8.9	0.5-1.0	.37	.37			
	9-60	---	---	35-50	1.30-1.55	0.0015-0.06	0.05-0.07	6.0-8.9	0.0-0.5	.43	.43			
831F:														
Doney----------	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	3	6	48
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
Cabba----------	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
Wayden----------	0-3	---	---	35-40	1.10-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-2.0	.43	.43	2	4L	86
	3-16	---	---	35-50	1.10-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
	16-60	---	---	---	---	---	---	---	---	---	---			
832E:														
Doney----------	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	3	6	48
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
Macar----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	11-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
Cabba----------	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
841F:														
Birney----------	0-3	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.37	3	5	56
	3-10	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	---			
	10-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	---			
Armells----------	0-4	---	---	10-22	1.15-1.35	0.6-2	0.12-0.15	0.0-2.9	1.0-3.0	.20	.37	2	4L	86
	4-60	---	---	15-27	1.30-1.50	0.6-2	0.06-0.08	0.0-2.9	1.0-2.0	.10	---			
Cabbart----------	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-12	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	12-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
842F:														
Cabbart----------	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-16	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	16-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
Yawdim----------	0-2	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	1	4	86
	2-13	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	13-60	---	---	---	---	---	0.00-0.00	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
842F: (cont.)														
Rock outcrop--------	---	---	---	---	---	---	---	---	---	---	---	-	---	---
843E:														
Delpoint----------	0-5	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	5-27	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	27-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Delpoint----------	0-2	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	2-30	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	30-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-12	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	12-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
844A:														
Havre----------	0-5	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	5-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	---			
Harlake----------	0-5	---	---	27-40	1.25-1.45	0.06-0.2	0.14-0.18	3.0-5.9	0.5-1.0	.43	.43	5	7	38
	5-60	---	---	35-55	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
Glendive----------	0-6	---	---	5-15	1.40-1.60	2-6	0.10-0.13	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	6-60	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	---			
845C:														
Ivanell----------	0-7	---	---	27-32	1.20-1.40	0.6-2	0.16-0.19	0.0-2.9	1.0-2.0	.32	.32	2	7	38
	7-16	---	---	27-35	1.30-1.50	0.2-0.6	0.15-0.18	3.0-5.9	0.5-1.0	.32	---			
	16-30	---	---	27-35	1.30-1.55	0.2-0.6	0.11-0.13	3.0-5.9	0.0-0.5	.32	---			
	30-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Davidell----------	0-7	---	---	15-24	1.15-1.35	0.6-2	0.16-0.19	0.0-2.9	1.0-3.0	.37	.37	5	5	56
	7-12	---	---	27-35	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.5-1.0	.32	---			
	12-25	---	---	27-32	1.30-1.50	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.32	---			
	25-60	---	---	24-30	1.25-1.50	0.2-0.6	0.07-0.10	3.0-5.9	0.0-0.5	.32	---			
846F:														
Blacksheep----------	0-5	---	---	5-15	1.15-1.35	2-6	0.15-0.18	0.0-2.9	1.0-2.0	.32	.32	2	3	86
	5-18	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.0-0.5	.20	---			
	18-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Delpoint----------	0-4	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	4-12	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	12-24	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	24-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Rock outcrop--------	---	---	---	---	---	---	---	---	---	---	---	-	---	---
847E:														
Busby----------	0-4	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-21	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	21-45	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	45-60	---	---	3-18	1.50-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	---			
Yetull----------	0-5	---	---	0-10	1.35-1.55	6-20	0.05-0.08	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	5-60	---	---	0-10	1.45-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.17	---			
Rock outcrop--------	---	---	---	---	---	---	---	---	---	---	---	-	---	---

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
862E:														
Doney----------	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	3	5	56
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	24-28	---	---	---	---	---	---	---	---	---	---			
Lamedeer----------	0-4	---	---	12-23	1.15-1.35	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.20	.37	5	5	56
	4-26	---	---	15-25	1.35-1.55	0.6-2	0.09-0.12	0.0-2.9	1.0-2.0	.17	.37			
	26-60	---	---	8-20	1.40-1.65	0.6-2	0.05-0.06	0.0-2.9	0.0-1.0	.10	---			
Cabba----------	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-18	---	---	---	---	---	---	---	---	---	---			
862F:														
Doney----------	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	3	5	56
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	24-28	---	---	---	---	---	---	---	---	---	---			
Lamedeer----------	0-4	---	---	12-23	1.15-1.35	0.6-2	0.11-0.14	0.0-2.9	2.0-4.0	.20	.37	5	5	56
	4-26	---	---	15-25	1.35-1.55	0.6-2	0.09-0.12	0.0-2.9	1.0-2.0	.17	.37			
	26-60	---	---	8-20	1.40-1.65	0.6-2	0.05-0.06	0.0-2.9	0.0-1.0	.10	---			
Cabba----------	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-18	---	---	---	---	---	---	---	---	---	---			
871C:														
Morton----------	0-5	---	---	18-27	1.20-1.40	0.6-2	0.20-0.24	0.0-2.9	4.0-8.0	.32	.32	3	6	48
	5-13	---	---	18-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	2.0-4.0	.43	.43			
	13-30	---	---	18-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	30-60	---	---	---	---	---	---	---	---	---	---			
Farland----------	0-6	---	---	15-27	1.20-1.50	0.6-2	0.18-0.22	0.0-2.9	2.0-5.0	.32	.37	5	5	56
	6-13	---	---	27-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.32	.32			
	13-45	---	---	20-35	1.20-1.50	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	.37			
	45-60	---	---	20-35	1.20-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.37	.37			
891D:														
Yamacall----------	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Birney----------	0-5	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.32	3	5	56
	5-11	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	.32			
	11-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	.43			
Delpoint----------	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-60	---	---	---	---	---	---	---	---	---	---			
892D:														
Yamacall----------	0-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	7-14	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Delpoint----------	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	32-36	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
892D: (cont.)														
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-19	---	---	---	---	---	---	---	---	---	---			
901A:														
Sonnett	0-6	---	---	15-25	1.15-1.35	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.43	.43	5	5	56
	6-14	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	14-25	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	25-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
Sonnett	0-5	---	---	27-35	1.15-1.35	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	7	38
	5-12	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	12-20	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	20-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
901C:														
Sonnett	0-6	---	---	15-25	1.15-1.35	0.6-2	0.14-0.18	0.0-2.9	1.0-3.0	.43	.43	5	5	56
	6-14	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	14-25	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	25-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
Sonnett	0-5	---	---	27-35	1.15-1.35	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	7	38
	5-12	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	12-20	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	20-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
902C:														
Sonnett	0-5	---	---	27-35	1.15-1.35	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	5	7	38
	5-12	---	---	40-45	1.30-1.50	0.06-0.2	0.15-0.18	6.0-8.9	1.0-2.0	.32	.32			
	12-25	---	---	20-40	1.30-1.50	0.2-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	25-60	---	---	20-30	1.30-1.50	0.2-0.6	0.14-0.17	3.0-5.9	0.0-0.5	.37	.37			
Slickspots	---	---	---	---	---	---	---	---	---	---	---	-	---	---
910B:														
Antwerp	0-6	---	---	27-33	1.20-1.40	0.06-0.2	0.14-0.18	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	6-24	---	---	22-35	1.20-1.45	0.06-0.2	0.11-0.13	3.0-5.9	0.5-1.0	.37	---			
	24-60	---	---	22-35	1.20-1.50	0.06-0.2	0.08-0.10	3.0-5.9	0.0-0.5	.37	---			
911F:														
Armells	0-4	---	---	10-22	1.25-1.45	0.6-2	0.12-0.15	0.0-2.9	1.0-2.0	.20	.37	5	4L	86
	4-60	---	---	15-27	1.40-1.65	0.6-2	0.06-0.08	0.0-2.9	0.0-1.0	.10	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	15-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
912F:														
Armells	0-4	---	---	10-22	1.25-1.45	0.6-2	0.12-0.15	0.0-2.9	1.0-2.0	.20	.37	5	4L	86
	4-60	---	---	15-27	1.40-1.65	0.6-2	0.06-0.08	0.0-2.9	0.0-1.0	.10	---			
Kirby	0-4	---	---	10-22	1.40-1.60	2-6	0.07-0.09	0.0-2.9	1.0-2.0	.10	.37	2	5	56
	4-14	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	---			
	14-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
913D:														
Birney	0-5	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.37	3	5	56
	5-11	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	---			
	11-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
913D: (cont.)														
Cooers	0-4	---	---	18-25	1.15-1.35	0.6-2	0.17-0.19	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	4-19	---	---	18-27	1.30-1.50	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	---			
	19-38	---	---	18-27	1.30-1.55	0.6-2	0.14-0.17	0.0-2.9	0.5-1.0	.37	---			
	38-60	---	---	10-27	1.35-1.60	0.6-2	0.14-0.17	0.0-2.9	0.0-0.5	.37	---			
Kirby	0-5	---	---	10-22	1.30-1.50	2-6	0.11-0.14	0.0-2.9	1.0-2.0	.17	.37	2	5	56
	5-18	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	---			
	18-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
914D:														
Bullock	0-7	---	---	27-32	1.20-1.40	0.2-0.6	0.13-0.16	3.0-5.9	1.0-3.0	.37	.37	2	6	48
	7-11	---	---	27-35	1.30-1.50	0.06-0.2	0.12-0.14	3.0-5.9	0.5-1.0	.37	---			
	11-27	---	---	25-32	1.40-1.60	0.06-0.2	0.10-0.12	3.0-5.9	0.0-0.5	.37	---			
	27-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Ralore	0-7	---	---	27-35	1.25-1.45	0.2-0.6	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37	2	6	48
	7-12	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	3.0-5.9	0.0-1.0	---	---			
	12-16	---	---	30-40	1.30-1.50	0.06-0.2	0.13-0.16	3.0-5.9	0.0-1.0	---	---			
	16-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
916E:														
Busby	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-15	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	15-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
Twilight	0-3	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	3-15	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	---			
	15-28	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Blacksheep	0-2	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	2-15	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.0-0.5	.20	---			
	15-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
917D:														
Cambeth	0-5	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	5-22	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	---			
	22-30	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	---			
	30-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-7	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	7-12	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	---			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
918E:														
Cambeth	0-3	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	3-10	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	---			
	10-32	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	---			
	32-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-14	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
919F:														
Delpoint	0-4	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	4-27	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	27-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-12	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	12-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
921F:														
Twilight----------	0-4	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	4-10	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	10-30	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	30-34	---	---	---	---	---	---	---	---	---	---			
Blacksheep----------	0-6	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	6-16	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	.20			
	16-60	---	---	---	---	---	---	---	---	---	---			
Busby----------	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	3-10	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	10-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
931C:														
Ralph----------	0-7	---	---	15-27	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	2.0-4.0	.32	.32	3	6	48
	7-15	---	---	18-35	1.20-1.40	0.6-2	0.16-0.22	3.0-5.9	1.0-2.0	.32	.32			
	15-28	---	---	18-35	1.20-1.40	0.6-2	0.17-0.20	3.0-5.9	0.0-1.0	.32	.32			
	28-32	---	---	---	---	---	---	---	---	---	---			
Brushton----------	0-6	---	---	15-27	1.15-1.30	0.6-2	0.15-0.19	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	6-18	---	---	27-35	1.30-1.50	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37			
	18-60	---	---	15-27	1.30-1.55	0.6-2	0.15-0.18	0.0-2.9	0.0-0.5	.37	.37			
940E:														
Delpoint----------	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-17	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	.37			
	17-28	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	28-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Yamacall----------	0-5	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-11	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	11-48	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	48-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
Cabbart----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-7	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-1.0	.37	.37			
	7-18	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
941C:														
Gerdrum----------	0-7	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	7	38
	7-19	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	19-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
Kobase----------	0-4	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	4-19	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
	19-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
942A:														
Harlake----------	0-8	---	---	27-40	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37	5	7	38
	8-60	---	---	35-55	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
943F:														
Kirby----------	0-3	---	---	10-22	1.40-1.60	2-6	0.07-0.09	0.0-2.9	1.0-2.0	.10	.37	2	5	56
	3-11	---	---	8-22	1.45-1.65	6-20	0.05-0.06	0.0-2.9	0.5-1.0	.05	---			
	11-60	---	---	0-1	1.60-1.80	6-20	0.00-0.01	0.0-2.9	0.0-0.0	.02	---			
Cabbart----------	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-11	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	11-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
Rock outcrop--------	---	---	---	---	---	---	---	---	---	---	---	-	---	---

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
944E:														
Kobase	0-4	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	4-15	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
	15-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
Cabbart	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-16	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	16-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
Yawdim	0-2	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	2-12	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	12-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
945A:														
Lonna	0-5	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	5-26	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	26-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Alona	0-8	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-14	---	---	25-35	1.25-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	14-21	---	---	25-35	1.25-1.45	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.37	---			
	21-60	---	---	25-35	1.25-1.50	0.2-0.6	0.08-0.11	3.0-5.9	0.0-0.5	.43	---			
945C:														
Lonna	0-4	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	4-20	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	20-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Alona	0-3	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-13	---	---	25-35	1.25-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	13-25	---	---	25-35	1.25-1.45	0.2-0.6	0.11-0.14	3.0-5.9	0.0-0.5	.37	---			
	25-60	---	---	25-35	1.25-1.50	0.2-0.6	0.08-0.11	3.0-5.9	0.0-0.5	.43	---			
946A:														
Lonna	0-4	---	---	27-35	1.15-1.35	0.6-2	0.16-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4L	86
	4-36	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	36-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Antwerp	0-9	---	---	27-33	1.20-1.40	0.06-0.2	0.14-0.18	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	9-40	---	---	22-35	1.20-1.45	0.06-0.2	0.11-0.13	3.0-5.9	0.5-1.0	.37	---			
	40-60	---	---	22-35	1.20-1.50	0.06-0.2	0.08-0.10	3.0-5.9	0.0-0.5	.37	---			
946C:														
Lonna	0-3	---	---	27-35	1.15-1.35	0.6-2	0.16-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4L	86
	3-13	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	13-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Antwerp	0-8	---	---	27-33	1.20-1.40	0.06-0.2	0.14-0.18	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	8-36	---	---	22-35	1.20-1.45	0.06-0.2	0.11-0.13	3.0-5.9	0.5-1.0	.37	---			
	36-60	---	---	22-35	1.20-1.50	0.06-0.2	0.08-0.10	3.0-5.9	0.0-0.5	.37	---			
947E:														
Lonna	0-3	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	3-21	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	21-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Cabbart	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-12	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	12-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
Yawdim	0-4	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	4-15	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	15-60	---	---	---	---	---	0.00-0.00	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
948B:														
Rominell----------	0-6	---	---	10-20	1.25-1.45	2-6	0.14-0.17	0.0-2.9	1.0-3.0	.32	.32	2	3	86
	6-13	---	---	20-35	1.35-1.60	0.06-0.2	0.11-0.15	3.0-5.9	0.5-1.0	.37	---			
	13-60	---	---	10-32	1.35-1.60	0.06-0.2	0.10-0.14	0.0-2.9	0.0-0.5	.37	---			
949E:														
Tinsley----------	0-4	---	---	5-15	1.20-1.45	2-6	0.07-0.09	0.0-2.9	0.7-2.0	.10	.20	5	3	86
	4-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	---			
951C:														
Vanstel----------	0-5	---	---	14-25	1.10-1.30	0.6-2	0.16-0.19	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	5-18	---	---	25-35	1.30-1.50	0.6-2	0.14-0.17	3.0-5.9	0.5-1.0	.32	---			
	18-60	---	---	18-30	1.25-1.50	0.6-2	0.14-0.17	0.0-2.9	0.0-0.5	.37	---			
952D:														
Yamacall----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-10	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	10-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Birney----------	0-4	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.37	3	5	56
	4-12	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	---			
	12-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	---			
953E:														
Yamacall----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	3-11	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	11-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Birney----------	0-4	---	---	10-25	1.15-1.35	0.6-2	0.12-0.14	0.0-2.9	2.0-4.0	.17	.37	3	5	56
	4-12	---	---	10-25	1.30-1.50	0.6-2	0.12-0.14	0.0-2.9	1.0-2.0	.20	---			
	12-60	---	---	10-25	1.40-1.60	0.6-2	0.05-0.06	0.0-2.9	0.0-0.5	.10	---			
Cabbart----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	3-16	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	16-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
954C:														
Yamacall----------	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	3-13	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	13-42	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	42-60	---	---	5-15	1.35-1.60	2-6	0.11-0.15	0.0-2.9	0.0-0.5	.20	---			
Busby----------	0-5	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	5-11	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	11-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
954D:														
Yamacall----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-10	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	10-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Busby----------	0-5	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	5-11	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	11-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
955D:														
Yamacall----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-15	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	15-45	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	45-60	---	---	5-15	1.35-1.60	2-6	0.11-0.15	0.0-2.9	0.0-0.5	.20	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
955D: (cont.)														
Delpoint	0-6	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	6-28	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
956F:														
Yawdim	0-2	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	2-10	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	10-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-2	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	2-12	---	---	18-35	1.20-1.40	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	12-60	---	---	---	1.30-1.50	---	0.00-0.00	---	0.5-1.0	---	---			
Kobase	0-4	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	4-22	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
	22-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
957E:														
Abor	0-3	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	3-32	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	32-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-14	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-15	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	15-32	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	32-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
958D:														
Abor	0-3	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	3-25	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	25-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Delpoint	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-14	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	14-26	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	26-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Kobase	0-3	---	---	27-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.37	.37	5	7	38
	3-16	---	---	35-45	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
	16-60	---	---	35-45	1.30-1.55	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	---			
959D:														
Abor	0-6	---	---	35-40	1.20-1.40	0.2-0.6	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43	3	4	86
	6-26	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	26-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Weingart	0-3	---	---	27-40	1.20-1.40	0.06-0.2	0.16-0.19	3.0-5.9	1.0-2.0	.43	.43	2	6	48
	3-11	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.15	6.0-8.9	0.5-1.0	.37	---			
	11-35	---	---	35-55	1.30-1.55	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	---			
	35-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Neldore	0-3	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	3-9	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.5-1.0	.32	---			
	9-15	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.32	---			
	15-60	---	---	---	---	---	0.00-0.00	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors Kw	Kf	T	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
960A:														
Busby	0-10	---	---	15-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	10-16	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	16-60	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
961C:														
Busby	0-4	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	4-21	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	21-45	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	45-60	---	---	3-18	1.50-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	---			
Yetull	0-8	---	---	0-10	1.35-1.55	6-20	0.05-0.08	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	8-60	---	---	0-10	1.45-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.17	---			
962F:														
Cambert	0-4	---	---	18-25	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.37	.37	3	4L	86
	4-15	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.37	---			
	15-25	---	---	18-35	1.20-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	25-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Bigsheep	0-9	---	---	18-27	1.30-1.50	0.6-2	0.08-0.10	0.0-2.9	2.0-4.0	.05	.37	5	6	48
	9-24	---	---	18-27	1.55-1.75	0.6-2	0.07-0.08	0.0-2.9	1.0-2.0	.15	---			
	24-33	---	---	18-27	1.25-1.50	0.6-2	0.17-0.20	0.0-2.9	0.5-1.0	.37	---			
	33-60	---	---	10-27	1.60-1.80	0.6-2	0.06-0.07	0.0-2.9	0.0-0.5	.10	---			
Golva	0-4	---	---	18-27	1.10-1.25	0.6-2	0.18-0.22	0.0-2.9	2.0-4.0	.32	.32	5	6	48
	4-19	---	---	22-35	1.20-1.35	0.6-2	0.16-0.20	3.0-5.9	1.0-3.0	.32	---			
	19-60	---	---	22-35	1.20-1.35	0.6-2	0.16-0.20	3.0-5.9	0.0-1.0	.32	---			
963E:														
Cambeth	0-5	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	5-11	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	---			
	11-25	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	---			
	25-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-14	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Lonna	0-4	---	---	18-27	1.10-1.30	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	4L	86
	4-11	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.37	---			
	11-60	---	---	18-35	1.25-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
964E:														
Cambeth	0-5	---	---	18-27	1.10-1.30	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.37	.37	3	4L	86
	5-15	---	---	18-35	1.25-1.45	0.6-2	0.16-0.20	3.0-5.9	0.5-1.0	.32	---			
	15-28	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.32	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-17	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	17-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Yawdim	0-4	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	4-14	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
965C:														
Chinook	0-5	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	5-60	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
965C: (cont.)														
Twilight----------	0-3	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	3-11	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	---			
	11-29	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	29-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
966D:														
Chinook----------	0-4	---	---	5-18	1.25-1.45	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	4-41	---	---	5-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-1.0	.20	---			
	41-60	---	---	5-15	1.40-1.60	2-6	0.11-0.12	0.0-2.9	0.0-1.0	.20	---			
Twilight----------	0-3	---	---	5-18	1.15-1.40	2-6	0.13-0.16	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	3-11	---	---	5-18	1.25-1.50	2-6	0.13-0.16	0.0-2.9	0.5-1.0	.20	---			
	11-31	---	---	5-18	1.25-1.50	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	31-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Blacksheep----------	0-3	---	---	5-15	1.20-1.40	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	3-14	---	---	5-15	1.30-1.55	2-6	0.13-0.16	0.0-2.9	0.0-0.5	.20	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
967E:														
Delpoint----------	0-5	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	5-14	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	14-27	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	27-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Cabbart----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-17	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	17-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Yawdim----------	0-4	---	---	27-40	1.10-1.30	0.2-0.6	0.17-0.20	3.0-5.9	0.5-1.0	.43	.43	2	4	86
	4-11	---	---	35-50	1.20-1.40	0.06-0.2	0.15-0.18	6.0-8.9	0.0-0.5	.32	---			
	11-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
968E:														
Delpoint----------	0-4	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	4-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	11-24	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	24-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Yamacall----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	4-16	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	16-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Cabbart----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-14	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	---			
	14-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
969C:														
Eapa----------	0-6	---	---	20-30	1.25-1.35	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.37	.37	5	6	48
	6-13	---	---	24-34	1.30-1.45	0.6-2	0.14-0.18	3.0-5.9	0.0-1.0	.37	---			
	13-60	---	---	20-33	1.35-1.50	0.6-2	0.16-0.18	3.0-5.9	0.0-0.5	.37	---			
Delpoint----------	0-3	---	---	20-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	3	6	48
	3-14	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.37	---			
	14-26	---	---	18-35	1.30-1.55	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	---			
	26-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
971E:														
Lisk----------	0-3	---	---	5-18	1.20-1.40	2-6	0.12-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	3-15	---	---	5-18	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.0-2.0	.20	.20			
	15-32	---	---	5-18	1.35-1.60	2-6	0.10-0.14	0.0-2.9	0.5-1.0	.20	.20			
	32-60	---	---	0-10	1.40-1.60	2-6	0.07-0.09	0.0-2.9	0.0-0.5	.17	.17			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi- bility group	Wind erodi- bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
971E: (cont.)														
Cohagen	0-13	---	---	10-18	1.20-1.60	0.6-6	0.13-0.18	0.0-2.9	0.5-1.0	.28	.28	2	3	86
	13-60	---	---	---	---	---	---	---	---	---	---			
Dast	0-6	---	---	2-18	1.30-1.50	2-6	0.12-0.15	0.0-2.9	1.0-2.0	.20	.20	3	3	86
	6-36	---	---	2-18	1.40-1.60	2-6	0.11-0.14	0.0-2.9	0.5-1.0	.20	.20			
	36-60	---	---	---	---	---	---	---	---	---	---			
981C:														
Macar	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	11-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
Doney	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	3	5	56
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
982D:														
Macar	0-5	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	5-15	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	15-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
Doney	0-4	---	---	10-27	1.25-1.45	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.43	.43	3	5	56
	4-24	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	24-60	---	---	---	---	---	---	---	---	---	---			
Cabba	0-3	---	---	10-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	2	4L	86
	3-14	---	---	20-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	.37			
	14-60	---	---	---	---	---	---	---	---	---	---			
983E:														
Macar	0-3	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	3-11	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.32	.32			
	11-60	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
Lisk	0-3	---	---	5-18	1.20-1.40	2-6	0.12-0.16	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	3-15	---	---	5-18	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.0-2.0	.20	.20			
	15-32	---	---	5-18	1.35-1.60	2-6	0.10-0.14	0.0-2.9	0.5-1.0	.20	.20			
	32-60	---	---	0-10	1.40-1.60	2-6	0.07-0.09	0.0-2.9	0.0-0.5	.17	.17			
Cohagen	0-13	---	---	10-18	1.20-1.60	0.6-6	0.13-0.18	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	13-17	---	---	---	---	---	---	---	---	---	---			
990E:														
Lihen	0-10	---	---	5-10	1.35-1.55	6-20	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	10-60	---	---	0-10	1.40-1.65	6-20	0.07-0.09	0.0-2.9	0.0-0.5	.17	---			
Tinsley	0-4	---	---	5-10	1.30-1.50	2-6	0.08-0.11	0.0-2.9	0.7-2.0	.15	.20	5	3	86
	4-60	---	---	0-10	1.45-1.65	6-20	0.01-0.02	0.0-2.9	0.0-0.5	.05	---			
991F:														
Neldore	0-3	---	---	40-50	1.20-1.40	0.06-0.2	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	3-16	---	---	40-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.32	---			
	16-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	-	---	---
Abor	0-3	---	---	40-55	1.20-1.40	0.2-0.6	0.14-0.18	6.0-8.9	1.0-2.0	.37	.37	3	4	86
	3-28	---	---	35-60	1.30-1.55	0.0015-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	---			
	28-60	---	---	---	---	---	0.00-0.00	---	---	---	---			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi- bility group	Wind erodi- bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
992C:														
Parshall----------	0-5	---	---	10-18	1.20-1.40	2-6	0.13-0.17	0.0-2.9	2.0-4.0	.17	.17	5	3	86
	5-24	---	---	10-18	1.25-1.45	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	---			
	24-60	---	---	5-18	1.40-1.60	2-6	0.10-0.14	0.0-2.9	0.5-1.0	.20	---			
993C:														
Pinehill----------	0-5	---	---	18-27	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-18	---	---	35-50	1.15-1.30	0.2-0.6	0.15-0.17	3.0-5.9	---	.43	---			
	18-60	---	---	18-35	1.20-1.35	0.2-0.6	0.16-0.18	3.0-5.9	---	.43	.43			
Weingart----------	0-7	---	---	27-40	1.20-1.40	0.06-0.2	0.16-0.19	3.0-5.9	1.0-2.0	.43	.43	2	6	48
	7-16	---	---	40-60	1.30-1.55	0.0015-0.06	0.12-0.15	6.0-8.9	0.5-1.0	.37	.37			
	16-38	---	---	35-55	1.30-1.55	0.0015-0.06	0.09-0.11	6.0-8.9	0.0-0.5	.37	.37			
	38-60	---	---	---	---	---	0.00-0.00	---	---	---	---			
Gerdrum----------	0-7	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	7-16	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	16-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
994E:														
Cabbart----------	0-4	---	---	18-27	1.20-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-2.0	.37	.37	2	4L	86
	4-15	---	---	18-35	1.30-1.50	0.6-2	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	15-19	---	---	---	---	---	---	---	---	---	---			
Bullock----------	0-3	---	---	27-32	1.20-1.40	0.2-0.6	0.13-0.16	3.0-5.9	1.0-3.0	.37	.37	2	6	48
	3-10	---	---	27-35	1.30-1.50	0.06-0.2	0.12-0.14	3.0-5.9	0.5-1.0	.37	.37			
	10-34	---	---	25-32	1.40-1.60	0.06-0.2	0.10-0.12	3.0-5.9	0.0-0.5	.37	.37			
	34-38	---	---	---	---	---	---	---	---	---	---			
995C:														
Yamacall----------	0-5	---	---	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	5-17	---	---	18-30	1.25-1.45	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
	17-60	---	---	18-30	1.30-1.50	0.6-2	0.14-0.18	3.0-5.9	0.5-1.0	.37	---			
Gerdrum----------	0-7	---	---	27-40	1.20-1.40	0.2-0.6	0.14-0.18	3.0-5.9	1.0-3.0	.43	.43	2	6	48
	7-18	---	---	35-55	1.30-1.55	0.0015-0.06	0.10-0.13	6.0-8.9	0.5-1.0	.37	---			
	18-60	---	---	30-50	1.30-1.55	0.0015-0.06	0.08-0.10	6.0-8.9	0.0-0.5	.43	---			
996A:														
Yetull----------	0-10	---	---	0-10	1.35-1.55	6-20	0.05-0.08	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	10-60	---	---	0-10	1.45-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.17	---			
Busby----------	0-3	---	---	10-18	1.30-1.50	2-6	0.12-0.16	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	3-20	---	---	10-18	1.40-1.60	2-6	0.12-0.16	0.0-2.9	0.5-1.0	.32	---			
	20-42	---	---	10-18	1.40-1.60	2-6	0.12-0.15	0.0-2.9	0.0-0.5	.20	---			
	42-60	---	---	3-18	1.50-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	---			
4621A:														
Hanly----------	0-5	---	---	0-10	1.10-1.50	6-20	0.08-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	5-60	---	---	0-12	1.20-1.60	6-20	0.05-0.14	0.0-2.9	0.5-1.0	.17	.17			
Glendive----------	0-4	---	---	5-15	1.40-1.60	2-6	0.10-0.13	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	4-60	---	---	5-18	1.35-1.60	2-6	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			
4861A:														
Glendive----------	0-4	---	---	27-35	1.20-1.40	0.6-2	0.16-0.20	3.0-5.9	0.5-2.0	.28	.28	5	4L	86
	4-60	---	---	5-18	1.30-1.55	2-6	0.15-0.18	0.0-2.9	0.5-1.0	.32	.32			
Havre----------	0-9	---	---	27-40	1.25-1.45	0.2-0.6	0.14-0.18	3.0-5.9	0.5-2.0	.32	.32	5	6	48
	9-60	---	---	18-35	1.35-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			

Physical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
4871A:														
Havre----------	0-9	---	---	10-22	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	9-60	---	---	18-30	1.30-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
Harlake----------	0-8	---	---	27-35	1.25-1.45	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37	5	7	38
	8-60	---	---	35-55	1.30-1.50	0.06-0.2	0.14-0.18	6.0-8.9	0.5-1.0	.37	.37			
4881A:														
Havre----------	0-9	---	---	15-27	1.15-1.35	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	9-60	---	---	18-35	1.35-1.55	0.6-2	0.14-0.18	0.0-2.9	0.5-1.0	.28	.28			
DA:														
Denied Access-------	---	---	---	---	---	---	---	---	---	---	---	-	---	---
M-W:														
Miscellaneous Water-	---	---	---	---	---	---	---	---	---	---	---	-	---	---
W:														
Water----------	---	---	---	---	---	---	---	---	---	---	---	-	---	---

Chemical Properties of the Soils

(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3F:								
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-19	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
Yawdim	0-5	20-25	---	7.4-7.8	---	---	0	---
	5-18	20-25	---	7.4-8.4	5-10	---	0	---
	18-22	---	---	---	---	---	---	---
12E:								
Wabek	0-9	10-15	---	6.6-7.8	---	---	0	---
	9-35	5.0-10	---	7.9-9.0	5-10	---	0	---
	35-60	0.0-2.0	---	7.9-9.0	2-10	---	0	---
14B:								
Alona	0-4	15-20	---	7.9-8.4	---	---	2.0-4.0	2-10
	4-10	10-15	---	7.9-8.4	1-5	---	2.0-4.0	1-13
	10-19	10-15	---	8.5-9.0	5-15	---	2.0-8.0	13-40
	19-60	10-15	---	8.5-9.6	5-15	0-1	8.0-16.0	13-40
17F:								
Badland	---	---	---	---	---	---	---	---
18E:								
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-18	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	18-60	---	---	---	---	---	---	---
Havre	0-10	15-20	---	7.4-8.4	1-5	0	0.0-2.0	---
	10-60	15-25	---	7.4-8.4	1-5	0	0.0-4.0	---
19C:								
Archin	0-3	15-20	---	6.6-7.3	---	---	0.0-2.0	---
	3-12	20-25	---	7.4-8.4	---	---	0.0-4.0	13-20
	12-60	15-20	---	8.5-9.6	5-15	1-5	2.0-8.0	13-20
21C:								
Benz	0-4	10-20	---	8.5-9.0	1-5	---	4.0-8.0	4-13
	4-60	10-20	---	8.5-9.6	5-15	---	8.0-16.0	13-30
24B:								
Davidell	0-5	15-20	---	6.6-7.8	0	---	0	0
	5-9	15-20	---	7.4-8.4	0	---	0.0-2.0	1-5
	9-29	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	29-60	10-15	---	7.9-9.0	5-10	1-5	8.0-16.0	15-30
25A:								
Marias	0-5	30-35	---	7.9-8.4	1-5	---	0.0-4.0	1-4
	5-30	25-35	---	7.9-9.0	5-10	---	0.0-4.0	1-4
	30-60	25-30	---	7.9-9.0	5-10	1-6	2.0-8.0	4-13
27A:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
27C:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
30C:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
31A:								
Ryell	0-6	10-15	---	7.4-8.4	---	0-5	0.0-2.0	---
	6-28	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
	28-60	1.0-5.0	---	7.4-8.4	5-10	---	0.0-4.0	---
33A:								
Chanta	0-6	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-18	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	18-27	10-15	---	7.9-8.4	5-15	---	0.0-2.0	---
	27-60	1.0-5.0	---	7.9-8.4	1-5	---	0.0-2.0	---
34C:								
Tally	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-16	5.0-10	---	6.6-8.4	---	---	0	---
	16-60	5.0-10	---	7.4-8.4	---	---	0.0-2.0	---
35C:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-13	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
	13-38	5.0-10	---	6.6-9.0	3-15	---	0.0-2.0	---
	38-60	5.0-10	---	7.4-9.0	1-5	---	0.0-2.0	---
37B:								
Degrand	0-7	10-15	---	6.6-7.8	---	---	0	---
	7-16	15-20	---	6.6-8.4	---	---	0	---
	16-31	10-15	---	7.4-8.4	15-40	---	0.0-4.0	---
	31-60	1.0-5.0	---	7.4-8.4	8-15	---	0.0-2.0	---
39A:								
Ethridge	0-4	20-25	---	6.6-7.8	---	---	0	---
	4-11	25-30	---	7.4-8.4	---	---	0	---
	11-20	20-25	---	7.4-8.4	5-15	---	0	1-5
	20-60	20-25	---	7.4-8.4	5-15	1-3	2.0-4.0	1-5
39C:								
Ethridge	0-4	20-25	---	6.6-7.8	---	---	0	---
	4-11	25-30	---	7.4-8.4	---	---	0	---
	11-20	20-25	---	7.4-9.0	5-15	---	0	1-5
	20-60	20-25	---	7.4-9.0	5-15	1-3	2.0-4.0	1-5
40A:								
Savage	0-6	25-30	---	7.4-7.8	---	---	0	---
	6-15	30-35	---	7.4-7.8	---	---	0.0-3.0	---
	15-60	25-30	---	7.4-8.4	5-15	---	0.0-3.0	---
40C:								
Savage	0-6	25-30	---	7.4-7.8	---	---	0	---
	6-15	30-35	---	7.4-7.8	---	---	0.0-4.0	---
	15-60	25-30	---	7.4-8.4	5-15	---	0.0-4.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
41A:								
Eapa	0-6	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	6-13	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	13-23	30-40	---	7.9-8.4	5-15	0-1	0.0-2.0	0-5
	23-60	30-40	---	7.9-8.4	5-15	0-1	0.0-3.0	0-5
41C:								
Eapa	0-6	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	6-13	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	13-23	30-40	---	7.9-8.4	5-15	0-1	0.0-2.0	0-5
	23-60	30-40	---	7.9-8.4	5-15	0-1	0.0-3.0	0-5
43F:								
Abor	0-5	30-40	---	7.4-7.8	1-5	---	0.0-4.0	---
	5-23	25-40	---	7.9-9.0	5-15	1-5	0.0-4.0	---
	23-60	---	---	---	---	---	---	---
Lilsheep	0-7	15-20	---	7.4-8.4	---	---	0	---
	7-43	10-15	---	7.9-9.0	15-30	---	0.0-2.0	---
	43-60	---	---	---	---	---	---	---
44A:								
Farnuf	0-5	10-15	---	6.6-7.8	---	---	0	---
	5-25	15-20	---	6.6-7.8	---	---	0	---
	25-60	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
44C:								
Farnuf	0-5	10-15	---	6.6-7.8	---	---	0	---
	5-25	15-20	---	6.6-7.8	---	---	0	---
	25-60	10-15	---	7.9-8.4	5-15	---	0.0-2.0	---
45A:								
Glendive	0-4	10-15	---	6.6-8.4	---	---	0.0-3.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-3.0	---
46A:								
Hanly	0-5	5.0-10	---	6.6-8.4	1-5	---	0	---
	5-60	5.0-10	---	6.6-8.4	1-5	---	0	---
47A:								
Harlake	0-8	30-35	---	6.6-8.4	1-5	---	0.0-4.0	0-4
	8-41	25-35	---	7.4-8.4	5-10	---	0.0-4.0	4-10
	41-60	15-20	---	7.9-9.0	5-10	---	0.0-8.0	4-10
50C:								
Kremlin	0-8	15-20	---	6.6-7.8	---	---	0	---
	8-15	10-15	---	7.4-8.4	---	---	0	---
	15-60	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
51C:								
Shambo	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-12	10-15	---	7.4-8.4	---	---	0	---
	12-60	10-15	---	7.4-8.4	10-15	---	0	1-5
52A:								
Sagedale	0-5	20-25	---	7.4-8.4	---	---	0	---
	5-16	20-25	---	7.4-8.4	---	---	0.0-2.0	---
	16-24	20-25	---	7.4-8.4	5-15	---	0.0-3.0	---
	24-60	20-25	---	7.4-8.4	5-10	1-7	0.0-3.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
52C:								
Sagedale	0-5	20-25	---	7.4-8.4	---	---	0	---
	5-16	20-25	---	7.4-8.4	---	---	0.0-2.0	---
	16-24	20-25	---	7.4-8.4	5-15	---	0.0-4.0	---
	24-60	20-25	---	7.4-9.0	5-10	1-7	0.0-4.0	---
53A:								
Kobase	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-8.4	5-15	1-5	0.0-4.0	8-13
53C:								
Kobase	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-9.0	5-15	1-5	0.0-4.0	8-13
53D:								
Kobase	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-9.0	5-15	1-5	0.0-4.0	8-13
56A:								
Cherry	0-4	15-20	---	7.4-8.4	---	---	0	---
	4-33	15-25	---	7.9-8.4	5-10	1-3	0	---
	33-60	10-20	---	7.9-8.4	5-10	1-3	0.0-3.0	---
56C:								
Cherry	0-4	15-20	---	7.4-7.8	---	---	0	---
	4-33	15-25	---	7.9-8.4	5-10	1-3	0	---
	33-60	10-20	---	7.9-8.4	5-10	1-3	0.0-4.0	---
57A:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
57C:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
59C:								
Farland	0-6	15-20	---	6.6-7.8	---	---	0	---
	6-13	20-25	---	6.6-7.8	---	---	0	---
	13-45	15-25	---	7.9-9.0	5-15	---	0.0-4.0	---
	45-60	15-20	---	7.9-9.0	5-10	---	0.0-8.0	---
60A:								
Golva	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-60	15-20	---	6.6-8.4	5-15	---	0	---
60C:								
Golva	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-60	15-20	---	6.6-8.4	5-15	---	0	---
61A:								
Marias	0-5	30-35	---	7.4-8.4	1-5	---	0.0-4.0	1-4
	5-30	25-35	---	7.9-9.0	5-10	---	0.0-4.0	1-4
	30-60	25-30	---	7.9-9.0	5-10	1-6	2.0-8.0	4-13

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
62A:								
Marvan	0-3	25-30	---	7.4-8.4	1-5	---	0.0-4.0	0-4
	3-34	25-30	---	7.9-9.0	5-10	1-3	2.0-4.0	4-13
	34-60	25-30	---	7.9-9.0	5-10	1-5	4.0-16.0	13-38
62C:								
Marvan	0-3	25-30	---	7.4-8.4	1-5	---	0.0-4.0	0-4
	3-34	25-30	---	7.9-9.0	5-10	1-3	2.0-4.0	4-13
	34-60	25-30	---	7.9-9.0	5-10	1-5	4.0-16.0	13-38
64A:								
Pinehill	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-26	25-30	---	7.4-8.4	0-5	---	0	---
	26-60	15-20	---	7.9-8.4	5-15	---	0.0-3.0	---
64C:								
Pinehill	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-26	25-30	---	7.4-8.4	0-5	---	0	---
	26-60	15-20	---	7.9-9.0	5-15	---	0.0-4.0	---
64D:								
Pinehill	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-26	25-30	---	7.4-8.4	0-5	---	0	---
	26-60	15-20	---	7.9-9.0	5-15	---	0.0-4.0	---
67A:								
Riverwash	---	---	---	---	---	---	---	---
75C:								
Weingart	0-7	30-35	---	5.6-7.8	---	---	0.0-2.0	10-20
	7-9	30-35	---	6.6-9.6	---	---	2.0-8.0	10-30
	9-12	30-35	---	7.9-9.6	5-15	0-1	4.0-16.0	13-30
	12-30	30-35	---	7.9-9.6	---	1-5	4.0-16.0	13-30
	30-34	---	---	---	---	---	---	---
Ivanell	0-7	15-20	---	7.4-7.8	---	---	0	---
	7-12	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	12-21	10-15	---	7.9-9.0	5-15	---	0.0-4.0	5-10
	21-33	10-15	---	7.9-9.0	5-15	---	8.0-16.0	10-15
	33-37	---	---	---	---	---	---	---
76B:								
Vanstel	0-3	10-15	---	6.6-7.8	---	---	0	---
	3-13	15-20	---	7.4-8.4	---	---	0	---
	13-60	10-15	---	7.9-8.4	5-15	---	0.0-3.0	---
76C:								
Vanstel	0-3	10-15	---	6.6-7.8	---	---	0	---
	3-13	15-20	---	7.4-8.4	---	---	0	---
	13-60	10-15	---	7.9-8.4	5-15	---	0.0-3.0	---
77A:								
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
Bigsandy	0-3	20-25	---	7.4-9.0	---	---	0.0-4.0	0-4
	3-60	15-20	---	8.5-9.0	15-30	---	4.0-8.0	5-13
79A:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-8.4	5-15	0-1	0.0-3.0	1-5

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
79C:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
79D:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
81A:								
Creed	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
81C:								
Creed	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
85C:								
Foreleft	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-21	15-20	---	7.4-8.4	---	---	0	---
	21-60	10-15	---	7.9-9.0	10-15	---	0.0-2.0	---
88A:								
Floweree	0-7	15-20	---	6.6-8.4	---	---	0.0-2.0	---
	7-16	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	16-60	10-15	---	7.9-8.4	5-15	---	2.0-3.0	1-5
88C:								
Floweree	0-7	15-20	---	6.6-8.4	---	---	0.0-2.0	---
	7-16	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	16-60	10-15	---	7.9-8.4	5-15	---	2.0-4.0	1-5
90A:								
Sonnett	0-6	10-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-14	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	14-25	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	25-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
90C:								
Sonnett	0-6	10-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-14	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	14-25	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	25-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
93B:								
Brushton	0-6	15-20	---	6.6-7.8	---	---	0	---
	6-18	20-25	---	6.6-7.8	---	---	0	---
	18-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
98A:								
Macar	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-11	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	11-60	15-20	---	7.4-8.4	8-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
98C:								
Macar	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-11	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	11-60	15-20	---	7.4-9.0	8-15	---	0.0-2.0	---
112C:								
Absher	0-5	20-25	---	6.6-8.4	---	---	4.0-8.0	1-5
	5-9	25-30	---	6.6-8.4	---	---	8.0-16.0	18-70
	9-60	20-25	---	7.9-9.0	4-15	1-5	16.0-32.0	18-70
121D:								
Kremlin	0-8	15-20	---	6.6-7.8	---	---	0	---
	8-15	10-15	---	7.4-8.4	---	---	0	---
	15-60	10-15	---	7.4-9.0	5-15	---	0.0-2.0	---
Tinsley	0-6	5.0-10	---	6.6-7.8	---	---	0	---
	6-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
Degrand	0-7	10-15	---	6.6-7.8	---	---	0	---
	7-16	15-20	---	6.6-8.4	---	---	0	---
	16-31	10-15	---	7.4-8.4	15-40	---	0.0-4.0	---
	31-60	1.0-5.0	---	7.4-8.4	8-15	---	0.0-2.0	---
122D:								
Tinsley	0-6	5.0-15	---	6.6-7.8	---	---	0	---
	6-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
Chanta	0-6	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-18	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	18-27	10-15	---	7.9-9.0	5-15	---	0.0-2.0	---
	27-60	1.0-5.0	---	7.9-9.0	1-5	---	0.0-2.0	---
123F:								
Tinsley	0-6	5.0-15	---	6.6-7.8	---	---	0	---
	6-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.4-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
151F:								
Armells	0-6	10-15	---	7.4-8.4	5-10	---	0	---
	6-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
Kirby	0-6	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	6-12	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	12-16	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
191C:								
Archin	0-3	15-20	---	6.6-7.3	---	---	0.0-2.0	---
	3-12	20-25	---	7.4-8.4	---	---	0.0-4.0	13-20
	12-60	15-20	---	8.5-9.6	5-15	1-5	2.0-8.0	13-20

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
191C: (cont.)								
Gerdrum	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
192C:								
Archin	0-3	15-20	---	6.6-7.3	---	---	0.0-2.0	---
	3-12	20-25	---	7.4-8.4	---	---	0.0-4.0	13-20
	12-60	15-20	---	8.5-9.6	5-15	1-5	2.0-8.0	13-20
Davidell	0-5	10-15	---	6.6-7.8	0	---	0	0
	5-9	15-20	---	7.4-8.4	0	---	0.0-2.0	1-5
	9-29	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	29-60	10-15	---	7.9-9.0	5-10	1-5	8.0-16.0	15-30
Bullock	0-4	10-15	---	6.6-7.8	---	---	0.0-2.0	---
	4-10	20-25	---	7.4-9.0	---	---	2.0-8.0	13-30
	10-34	15-20	---	7.4-9.0	5-15	1-5	4.0-16.0	20-40
	34-60	---	---	---	---	---	---	---
222D:								
Floweree	0-7	15-20	---	6.6-8.4	---	---	0.0-2.0	---
	7-16	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	16-60	10-15	---	7.9-9.0	5-15	---	2.0-4.0	1-5
Cambeth	0-3	15-20	---	6.6-7.8	---	---	0	---
	3-10	15-20	---	7.4-8.4	0-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	2.0-4.0	---
	32-60	---	---	---	---	---	---	---
Lilsheep	0-7	15-20	---	7.4-8.4	---	---	0	---
	7-43	10-15	---	7.9-9.0	15-30	---	0.0-2.0	---
	43-60	---	---	---	---	---	---	---
228F:								
Cambeth	0-3	15-20	---	6.6-7.8	---	---	0	---
	3-10	15-20	---	7.4-8.4	0-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	2.0-4.0	---
	32-60	---	---	---	---	---	---	---
Lilsheep	0-7	15-20	---	6.6-8.4	---	---	0	---
	7-43	10-15	---	7.9-9.0	15-30	---	0.0-2.0	---
	43-60	---	---	---	---	---	---	---
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
241B:								
Davidell	0-5	15-20	---	6.6-7.8	0	---	0	0
	5-9	15-20	---	7.4-8.4	0	---	0.0-2.0	1-5
	9-29	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	29-60	10-15	---	7.9-9.0	5-10	1-5	8.0-16.0	15-30
Antwerp	0-9	20-25	---	7.9-9.0	1-5	---	0.0-8.0	10-30
	9-40	15-25	---	7.9-9.0	5-10	---	8.0-16.0	15-40
	40-60	10-20	---	8.5-9.0	5-10	---	8.0-16.0	15-30

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
242C:								
Davidell	0-5	15-20	---	6.6-7.8	0	---	0	0
	5-9	15-20	---	7.4-8.4	0	---	0.0-2.0	1-5
	9-29	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	29-60	10-15	---	7.9-9.0	5-10	1-5	8.0-16.0	15-30
Ivanell	0-7	10-15	---	7.4-7.8	---	---	0	---
	7-12	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	12-21	10-15	---	7.9-9.0	5-15	---	0.0-4.0	5-10
	21-33	10-15	---	7.9-9.0	5-15	---	8.0-16.0	10-15
	33-37	---	---	---	---	---	---	---
271E:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Blacksheep	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-16	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
	16-60	---	---	---	---	---	---	---
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-34	---	---	---	---	---	---	---
277D:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-60	---	---	---	---	---	---	---
278E:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Yetull	0-6	5.0-10	---	6.6-7.8	---	---	0	---
	6-60	1.0-5.0	---	7.4-8.4	1-5	---	0.0-4.0	---
293E:								
Cambeth	0-4	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	4-14	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	14-30	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	30-60	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-18	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	18-60	---	---	---	---	---	---	---
Kirby	0-4	10-15	---	7.4-8.4	1-5	0	0.0-2.0	0
	4-12	5.0-10	---	7.9-8.4	5-15	0	0.0-2.0	0
	12-60	0.0-0.0	---	7.9-8.4	1-5	0	0.0-2.0	0

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
296F:								
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
297C:								
Cambeth	0-3	15-20	---	6.6-7.8	---	---	0	---
	3-10	15-20	---	7.4-8.4	0-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	2.0-4.0	---
	32-60	---	---	---	---	---	---	---
Megonot	0-3	25-30	---	6.6-7.8	0	---	0	0
	3-16	20-25	---	7.4-8.4	1-15	---	0.0-4.0	0
	16-24	20-25	---	7.4-9.0	0-5	---	0.0-4.0	0
	24-60	---	---	---	---	---	---	---
297D:								
Cambeth	0-3	15-20	---	6.6-7.8	---	---	0	---
	3-10	15-20	---	7.4-8.4	0-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	2.0-4.0	---
	32-60	---	---	---	---	---	---	---
Megonot	0-3	25-30	---	6.6-7.8	0	---	0	0
	3-16	20-25	---	7.4-8.4	1-15	---	0.0-4.0	0
	16-24	20-25	---	7.4-9.0	0-5	---	0.0-4.0	0
	24-60	---	---	---	---	---	---	---
297E:								
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-19	---	---	---	---	---	---	---
Yawdim	0-5	20-25	---	7.4-7.8	---	---	0	---
	5-18	20-25	---	7.4-8.4	5-10	---	0	---
	18-22	---	---	---	---	---	---	---
311A:								
Ryell	0-6	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	6-28	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
	28-60	1.0-5.0	---	7.4-8.4	5-10	---	0.0-2.0	---
341D:								
Tally	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-16	5.0-10	---	6.6-8.4	---	---	0	---
	16-60	5.0-10	---	7.4-8.4	---	---	0.0-2.0	---
Vebar	0-5	10-15	---	6.6-7.8	---	---	0	---
	5-12	10-15	---	6.6-8.4	---	---	0	---
	12-35	5.0-10	---	7.4-8.4	1-5	---	0	---
	35-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
342C:								
Tally	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-16	5.0-10	---	6.6-8.4	---	---	0	---
	16-60	5.0-10	---	7.4-8.4	---	---	0.0-2.0	---
Shambo	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-12	10-15	---	7.4-8.4	---	---	0	---
	12-60	10-15	---	7.4-8.4	10-15	---	0	1-5
352D:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-13	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
	13-38	5.0-10	---	6.6-9.0	3-15	---	0.0-2.0	---
	38-60	5.0-10	---	7.4-9.0	1-5	---	0.0-2.0	---
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-34	---	---	---	---	---	---	---
353C:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-13	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
	13-38	5.0-10	---	6.6-9.0	3-15	---	0.0-2.0	---
	38-60	5.0-10	---	7.4-9.0	1-5	---	0.0-2.0	---
Kremlin	0-8	15-20	---	6.1-7.8	---	---	0	---
	8-15	10-15	---	6.6-7.8	---	---	0	---
	15-62	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
355C:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-13	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
	13-38	5.0-10	---	6.6-9.0	3-15	---	0.0-2.0	---
	38-60	5.0-10	---	7.4-9.0	1-5	---	0.0-2.0	---
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-34	---	---	---	---	---	---	---
Eapa	0-6	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	6-13	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	13-23	30-40	---	7.9-9.0	5-15	0-1	0.0-2.0	0-5
	23-60	30-40	---	7.9-9.0	5-15	0-1	0.0-4.0	0-5
357D:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-13	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
	13-38	5.0-10	---	6.6-9.0	3-15	---	0.0-2.0	---
	38-60	5.0-10	---	7.4-9.0	1-5	---	0.0-2.0	---
Lihen	0-12	5.0-10	---	6.6-8.4	---	---	0	---
	12-60	1.0-5.0	---	7.4-8.4	2-15	---	0.0-2.0	---
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-34	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
361E:								
Doney	0-4	15-20	---	7.4-8.4	0-5	---	0.0-2.0	---
	4-24	15-20	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-28	---	---	---	---	---	---	---
Broadus	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-10	15-20	---	7.4-7.8	---	---	0	---
	10-40	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---
	40-60	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-18	---	---	---	---	---	---	---
381F:								
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Armells	0-6	10-15	---	7.4-8.4	5-10	---	0	---
	6-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
383F:								
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
Yawdim	0-5	20-25	---	7.4-7.8	---	---	0	---
	5-18	20-25	---	7.4-8.4	5-10	---	0	---
	18-60	---	---	---	---	---	---	---
385E:								
Delpoint	0-3	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	3-17	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	17-28	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
Yamacall	0-5	15-20	---	6.6-8.4	0	0	0	0
	5-11	10-15	---	6.6-8.4	0-5	0	0	0
	11-48	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
	48-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-18	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	18-60	---	---	---	---	---	---	---
386F:								
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
386F: (cont.)								
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
387D:								
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
Busby----------	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Blacksheep----------	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-16	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
	16-60	---	---	---	---	---	---	---
388D:								
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Kobase----------	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-9.0	5-15	1-5	0.0-4.0	8-13
Yawdim----------	0-5	20-25	---	7.4-7.8	---	---	0	---
	5-18	20-25	---	7.4-8.4	5-10	---	0	---
	18-60	---	---	---	---	---	---	---
421A:								
Gerdrum----------	0-3	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	3-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
Creed----------	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
421C:								
Gerdrum----------	0-3	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	3-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
Creed----------	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
421D:								
Gerdrum----------	0-3	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	3-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
421D: (cont.)								
Creed	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
432D:								
Slickspots	---	---	---	---	---	---	---	---
Abor	0-5	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	5-23	25-40	---	7.4-9.0	5-15	1-5	0.0-4.0	---
	23-60	---	---	---	---	---	---	---
451A:								
Glendive	0-4	10-15	---	6.6-8.4	1-5	---	0.0-3.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-3.0	---
452A:								
Glendive	0-4	15-20	---	6.6-8.4	1-5	---	0.0-3.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-3.0	---
453A:								
Glendive	0-4	10-15	---	6.6-8.4	1-5	---	0.0-3.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-3.0	---
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-3.0	---
456A:								
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
Glendive	0-4	10-15	---	6.6-9.0	1-5	---	0.0-4.0	---
	4-60	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
461A:								
Hanly	0-5	5.0-10	---	6.6-8.4	1-5	---	0	---
	5-60	5.0-10	---	6.6-8.4	1-5	---	0	---
462A:								
Hanly	0-5	5.0-10	---	6.6-8.4	1-5	---	0	---
	5-60	5.0-10	---	6.6-8.4	1-5	---	0	---
Glendive	0-4	10-15	---	6.6-9.0	1-5	---	0.0-4.0	---
	4-60	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
471A:								
Harlake	0-8	30-35	---	7.4-8.4	1-5	---	2.0-4.0	0
	8-60	25-30	---	7.4-8.4	5-10	---	2.0-4.0	0
473A:								
Lallie	0-6	25-30	---	6.6-7.8	5-10	---	0.0-8.0	---
	6-60	20-30	---	7.4-9.0	5-10	---	0.0-8.0	---
481A:								
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-3.0	---
483A:								
Havre	0-9	25-30	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-20	---	7.4-8.4	1-5	---	0.0-3.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
486A:								
Glendive	0-4	10-15	---	6.6-8.4	1-5	---	0.0-4.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-4.0	---
Havre	0-9	15-20	---	6.1-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
487A:								
Havre	0-9	15-20	---	6.1-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
Harlake	0-8	20-25	---	6.6-8.4	1-5	---	0.0-4.0	0-4
	8-60	25-35	---	7.4-8.4	5-10	---	0.0-4.0	4-10
488A:								
Havre	0-9	20-25	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-3.0	---
489A:								
Spinekop	0-6	20-25	---	7.4-7.8	---	---	0.0-2.0	---
	6-11	20-25	---	7.4-7.8	---	---	0.0-2.0	---
	11-18	10-15	---	7.9-8.4	5-15	---	0.0-3.0	---
	18-60	10-15	---	7.9-8.4	5-15	---	0.0-3.0	---
491A:								
Ismay	0-4	20-25	---	7.4-8.4	5-10	---	2.0-8.0	5-20
	4-30	15-20	---	7.9-9.0	5-10	---	8.0-16.0	13-20
	30-60	15-20	---	7.9-9.0	5-10	---	4.0-16.0	13-30
501C:								
Kremlin	0-8	15-20	---	6.6-7.8	---	---	0	---
	8-15	10-15	---	7.4-8.4	---	---	0	---
	15-62	10-15	---	7.4-9.0	5-15	---	0.0-2.0	---
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
511C:								
Shambo	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-12	10-15	---	7.4-8.4	---	---	0	---
	12-60	10-15	---	7.4-9.0	10-15	---	0	1-5
Doney	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-24	10-15	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-60	---	---	---	---	---	---	---
531D:								
Kobase	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-9.0	5-15	1-5	0.0-4.0	8-13
532C:								
Kobase	0-8	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	8-18	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	18-60	20-25	---	7.9-9.0	5-15	1-5	0.0-4.0	8-13
Gerdrum	0-3	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	3-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
534C:								
Marias----------	0-5	30-35	---	7.4-8.4	1-5	---	0.0-4.0	1-4
	5-30	25-35	---	7.9-9.0	5-10	---	0.0-4.0	1-4
	30-60	25-30	---	7.9-9.0	5-10	1-6	2.0-8.0	4-13
542E:								
Lihen----------	0-12	5.0-10	---	6.6-8.4	---	---	0	---
	12-60	1.0-5.0	---	7.4-8.4	2-15	---	0.0-2.0	---
Yetull----------	0-6	5.0-10	---	6.6-7.8	---	---	0	---
	6-60	1.0-5.0	---	7.4-8.4	1-5	---	0.0-4.0	---
552D:								
Neldore----------	0-3	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	3-14	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	14-18	30-35	---	5.6-7.8	---	1-3	0.0-4.0	---
	18-60	---	---	---	---	---	---	---
Abor----------	0-5	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	5-23	25-40	---	7.9-9.0	5-15	1-5	0.0-4.0	---
	23-60	---	---	---	---	---	---	---
Marvan----------	0-3	25-30	---	7.4-8.4	1-5	---	0.0-4.0	0-4
	3-34	25-30	---	7.9-9.0	5-10	1-3	2.0-4.0	4-13
	34-60	25-30	---	7.9-9.0	5-10	1-5	4.0-16.0	13-38
554E:								
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Weingart----------	0-7	30-35	---	5.6-7.8	---	---	0.0-2.0	10-20
	7-9	30-35	---	6.6-9.6	---	---	2.0-8.0	10-30
	9-12	30-35	---	7.9-9.6	5-15	0-1	4.0-16.0	13-30
	12-30	30-35	---	7.9-9.6	---	1-5	4.0-16.0	13-30
	30-60	---	---	---	---	---	---	---
561C:								
Cherry----------	0-4	15-20	---	7.4-8.4	---	---	0	---
	4-33	15-25	---	7.9-8.4	5-10	1-3	0	---
	33-60	10-20	---	7.9-8.4	5-10	1-3	0.0-4.0	---
Cambert----------	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-18	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	18-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
562D:								
Cherry----------	0-4	15-20	---	7.9-8.4	---	---	0	---
	4-33	15-25	---	7.9-8.4	5-10	0-2	0	---
	33-60	10-20	---	7.9-8.4	5-10	0-2	0.0-4.0	---
Cambert----------	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-18	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	18-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
Cabba----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-12	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	12-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
573D:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
574E:								
Lonna	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-30	10-15	---	7.9-9.0	5-15	---	2.0-4.0	1-13
	30-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Cambeth	0-4	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	4-14	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	14-30	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	30-40	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-18	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	18-60	---	---	---	---	---	---	---
575C:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
576A:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
576C:								
Lonna	0-6	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	6-16	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	16-31	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
	31-60	5.0-15	---	7.9-9.0	5-15	---	2.0-16.0	10-20
577D:								
Lonna	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-30	10-15	---	7.9-9.0	5-15	---	2.0-4.0	1-13
	30-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
577D: (cont.)								
Cambeth	0-4	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	4-14	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	14-30	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	30-40	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-16	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	16-60	---	---	---	---	---	---	---
581C:								
Ivanell	0-7	10-15	---	7.4-7.8	---	---	0	---
	7-12	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	12-21	10-15	---	7.9-9.0	5-15	---	0.0-4.0	5-10
	21-33	10-15	---	7.9-9.0	5-15	---	8.0-16.0	10-15
	33-37	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-19	---	---	---	---	---	---	---
602C:								
Bonfri	0-4	15-20	---	6.6-7.3	---	---	0	---
	4-18	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	18-32	10-15	---	7.4-8.4	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
603D:								
Busby	0-4	10-15	---	7.4-8.4	---	---	0	---
	4-14	10-15	---	7.4-8.4	---	---	0	---
	14-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
604E:								
Busby	0-4	10-15	---	7.4-8.4	---	---	0	---
	4-12	10-15	---	7.4-8.4	---	---	0	---
	12-46	5.0-15	---	7.4-8.4	5-15	---	0.0-2.0	---
	46-60	5.0-10	---	7.9-8.4	5-15	---	0.0-4.0	---
Delpoint	0-5	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	5-19	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	19-29	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	29-60	---	---	---	---	---	---	---
Yawdim	0-3	20-25	---	6.6-7.8	---	---	0	---
	3-15	20-25	---	7.4-8.4	5-10	---	0	---
	15-60	---	---	---	---	---	---	---
605D:								
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	---	---	---	---	---	---
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-9	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	9-38	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	38-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
607C:								
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-9	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	9-38	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	38-60	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	---	---	---	---	---	---
608C:								
Chinook	0-12	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	12-60	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
612F:								
Kirby	0-6	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	6-14	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	14-60	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
Blacksheep	0-4	5.0-10	---	7.4-8.4	---	---	0	---
	4-12	5.0-10	---	7.9-8.4	---	---	0.0-2.0	---
	12-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
613C:								
Kremlin	0-8	15-20	---	6.1-7.8	---	---	0	---
	8-14	10-15	---	6.6-7.8	---	---	0	---
	14-60	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	---	---	---	---	---	---
615C:								
Yamacall	0-3	15-20	---	6.6-8.4	0	---	0	0
	3-12	10-15	---	6.6-8.4	0-5	---	0	0
	12-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Havre	0-7	15-20	---	6.1-8.4	1-5	---	0.0-2.0	---
	7-60	15-25	---	7.4-9.0	1-5	---	0.0-4.0	---
621B:								
Marvan	0-3	25-30	---	7.4-8.4	1-5	---	0.0-4.0	0-4
	3-34	25-30	---	7.9-9.0	5-10	1-3	2.0-4.0	4-13
	34-60	25-30	---	7.9-9.0	5-10	1-5	4.0-16.0	13-38
Vanda	0-8	25-35	---	7.9-9.6	1-5	---	2.0-8.0	20-30
	8-60	20-30	---	7.9-9.6	1-5	1-5	8.0-16.0	13-30
631F:								
Bitton	0-10	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	10-60	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-18	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
631F: (cont.)								
Ringling	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-30	10-15	---	6.6-7.8	---	---	0	---
	30-60	0.0-2.0	---	6.6-8.4	5-10	---	0	---
641D:								
Pinehill	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-26	25-30	---	7.4-8.4	0-5	---	0	---
	26-60	15-20	---	7.9-9.0	5-15	---	0.0-4.0	---
Absher	0-5	20-25	---	6.6-8.4	---	---	4.0-8.0	1-5
	5-9	25-30	---	6.6-8.4	---	---	8.0-16.0	18-70
	9-60	20-25	---	7.9-9.0	4-15	1-5	16.0-32.0	18-70
650F:								
Armells	0-5	10-15	---	7.4-8.4	5-10	---	0	---
	5-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
Delpoint	0-4	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	4-32	15-20	---	7.9-9.0	5-10	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-16	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	16-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
651C:								
Busby	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-15	10-15	---	7.4-8.4	---	---	0	---
	15-46	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
	46-60	5.0-10	---	7.9-8.4	5-15	1-2	0.0-4.0	---
Twilight	0-6	10-15	---	7.4-7.8	---	---	0	---
	6-22	5.0-10	---	7.4-7.8	---	---	0	---
	22-32	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
Blacksheep	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-17	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
	17-21	---	---	---	---	---	---	---
652C:								
Chinook	0-3	10-15	---	6.6-7.8	---	---	0	---
	3-12	10-15	---	7.4-8.4	---	---	0.0-2.0	---
	12-40	10-15	---	7.9-8.4	3-15	---	0.0-2.0	---
	40-52	5.0-10	---	9.0-9.6	1-5	---	4.0-8.0	25-40
	52-60	10-15	---	9.0-9.6	1-5	---	4.0-8.0	25-40
653B:								
Davidell	0-8	10-15	---	6.6-7.8	0	---	0	0
	8-30	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	30-60	10-15	---	7.9-9.0	5-10	---	8.0-16.0	15-30
654B:								
Eapa	0-6	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	6-13	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	13-23	30-40	---	7.9-8.4	5-15	0-1	0.0-2.0	0-5
	23-60	30-40	---	7.9-8.4	5-15	0-1	0.0-4.0	0-5

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
656A:								
Gerdrum----------	0-7	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	7-18	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	18-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
657C:								
Gerdrum----------	0-7	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	7-23	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	23-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
658C:								
Gerdrum----------	0-7	25-30	---	6.6-7.8	---	---	0.0-2.0	---
	7-22	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	22-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
Marvan----------	0-3	25-30	---	7.4-8.4	1-5	---	0.0-4.0	0-4
	3-28	25-30	---	7.9-9.0	5-10	---	2.0-4.0	4-13
	28-60	25-30	---	7.9-9.0	5-10	---	4.0-16.0	13-38
659A:								
Glendive----------	0-4	10-15	---	6.6-8.4	1-5	---	0.0-4.0	---
	4-17	10-15	---	7.4-8.4	5-10	---	0.0-4.0	---
	17-60	10-15	---	7.4-8.4	5-10	---	2.0-8.0	---
660A:								
Hanly----------	0-7	15-20	---	6.6-8.4	1-5	---	0	---
	7-60	5.0-10	---	6.6-8.4	1-5	---	0	---
Glendive----------	0-8	10-15	---	6.6-9.0	1-5	---	0.0-4.0	---
	8-60	10-15	---	7.4-9.0	5-10	---	2.0-8.0	---
661A:								
Havre----------	0-12	20-25	---	7.4-9.0	1-5	---	8.0-16.0	0-4
	12-60	15-20	---	7.4-9.0	1-5	---	8.0-16.0	0-13
662F:								
Neldore----------	0-2	30-35	---	5.6-7.8	---	---	0.0-2.0	---
	2-12	30-35	---	6.1-7.8	---	---	0.0-4.0	---
	12-60	---	---	---	---	---	---	---
Abor----------	0-3	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	3-28	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
663F:								
Neldore----------	0-3	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	3-14	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	14-60	---	---	---	---	---	---	---
Abor----------	0-4	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	4-28	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
Rock outcrop---------	---	---	---	---	---	---	---	---
664F:								
Neldore----------	0-2	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	2-10	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	10-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
664F: (cont.)								
Rock outcrop---------	---	---	---	---	---	---	---	---
665F:								
Tinsley----------	0-7	5.0-15	---	6.6-7.8	---	---	0	---
	7-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
Cabbart----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-17	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	17-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
666C:								
Neldore----------	0-2	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	2-14	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	14-18	---	---	---	---	---	---	---
Volborg----------	0-2	30-35	---	4.5-6.5	---	---	0.0-4.0	5-13
	2-11	---	30-35	3.6-5.5	---	---	8.0-16.0	5-13
	11-15	---	---	---	---	---	---	---
667E:								
Weingart----------	0-7	30-35	---	5.6-7.8	---	---	0.0-2.0	10-20
	7-16	30-35	---	6.5-9.6	---	---	2.0-8.0	10-30
	16-25	30-35	---	7.8-9.6	5-15	---	4.0-16.0	13-30
	25-60	---	---	---	---	---	---	---
Neldore----------	0-2	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	2-17	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	17-60	---	---	---	---	---	---	---
668A:								
Zatoville----------	0-7	20-25	---	7.4-9.0	---	---	0.0-4.0	---
	7-30	15-20	---	7.9-9.0	5-15	---	8.0-16.0	1-13
	30-46	15-20	---	7.9-9.0	5-10	---	8.0-16.0	8-30
	46-60	10-15	---	5.6-9.0	---	---	8.0-16.0	25-35
681A:								
Rivra----------	0-5	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	5-60	1.0-5.0	---	7.4-8.4	---	---	0.0-2.0	---
Rivra----------	0-5	5.0-10	---	6.6-8.4	---	---	0	---
	5-60	1.0-5.0	---	7.4-8.4	---	---	0.0-2.0	---
691F:								
Rock outcrop---------	---	---	---	---	---	---	---	---
Cabbart----------	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-60	---	---	---	---	---	---	---
Kirby----------	0-6	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	6-12	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	12-60	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
701E:								
Lamedeer----------	0-4	20-25	---	6.6-7.3	---	---	0	---
	4-26	20-25	---	6.6-7.8	---	---	0	---
	26-60	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
701E: (cont.)								
Broadus----------	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-10	15-20	---	7.4-7.8	---	---	0	---
	10-40	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---
	40-60	10-15	---	7.4-8.4	5-15	---	0.0-2.0	---
Ringling----------	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-30	10-15	---	6.6-7.8	---	---	0	---
	30-60	0.0-2.0	---	6.6-8.4	5-10	---	0	---
702F:								
Lamedeer----------	0-4	20-25	---	6.6-7.3	---	---	0	---
	4-26	20-25	---	6.6-7.8	---	---	0	---
	26-60	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---
Cabba----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---
Ringling----------	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-30	10-15	---	6.6-7.8	---	---	0	---
	30-60	0.0-2.0	---	6.6-8.4	5-10	---	0	---
731E:								
Cambert----------	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
Cabba----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---
Ringling----------	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-30	10-15	---	6.6-7.8	---	---	0	---
	30-60	0.0-2.0	---	6.6-8.4	5-10	---	0	---
732C:								
Cambert----------	0-3	15-20	---	7.4-7.8	5-10	---	0.0-2.0	---
	3-18	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	18-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-30	---	---	---	---	---	---	---
Widen----------	0-3	20-25	---	7.4-8.4	---	---	0	---
	3-11	20-30	---	7.4-8.4	---	---	0	---
	11-32	15-25	---	7.4-9.0	5-15	---	0.0-2.0	---
	32-36	---	---	---	---	---	---	---
732D:								
Cambert----------	0-3	15-20	---	7.4-7.8	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-30	---	---	---	---	---	---	---
Widen----------	0-3	20-25	---	7.4-8.4	---	---	0	---
	3-11	20-30	---	7.4-8.4	---	---	0	---
	11-32	15-25	---	7.4-9.0	5-15	---	0.0-2.0	---
	32-36	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
733E:								
Cambert	0-3	15-20	---	7.4-7.8	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-30	---	---	---	---	---	---	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-18	---	---	---	---	---	---	---
Widen	0-3	20-25	---	7.4-8.4	---	---	0	---
	3-11	20-30	---	7.4-8.4	---	---	0	---
	11-32	15-25	---	7.4-9.0	5-15	---	0.0-2.0	---
	32-36	---	---	---	---	---	---	---
734E:								
Cambert	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-26	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
Cherry	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-33	15-25	---	7.9-9.0	5-10	1-3	0	---
	33-60	10-20	---	7.9-9.0	5-10	1-3	0.0-4.0	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---
742E:								
Neldore	0-3	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	3-14	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	14-18	30-35	---	5.6-7.8	---	1-3	0.0-4.0	---
	18-22	---	---	---	---	---	---	---
Abor	0-5	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	5-23	25-40	---	7.4-9.0	5-15	1-5	0.0-4.0	---
	23-27	---	---	---	---	---	---	---
781A:								
Vanda	0-8	25-30	---	8.4-9.6	1-5	---	16	20-30
	8-60	20-30	---	8.4-9.6	1-5	---	16	13-30
797E:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Blacksheep	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-16	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
	16-60	---	---	---	---	---	---	---
798C:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
798C: (cont.)								
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
799E:								
Yamacall----------	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Birney----------	0-5	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	5-11	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	11-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
Delpoint----------	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
802E:								
Shambo----------	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-12	10-15	---	7.4-8.4	---	---	0	---
	12-60	10-15	---	7.4-9.0	10-15	---	0	1-5
Lisk----------	0-3	10-15	---	7.4-8.4	---	---	0.0-2.0	---
	3-15	10-15	---	7.9-8.4	---	---	0.0-2.0	---
	15-32	5.0-10	---	7.9-8.4	5-8	---	0.0-2.0	---
	32-60	0.0-5.0	---	7.9-8.4	---	---	0.0-2.0	---
Dast----------	0-3	10-15	---	6.6-7.8	1-5	---	0	---
	3-36	5.0-10	---	6.6-8.4	5-15	---	0	---
	36-60	---	---	---	---	---	---	---
811C:								
Creed----------	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
Pinehill----------	0-5	15-20	---	6.6-7.8	---	---	0	---
	5-26	25-30	---	7.4-8.4	0-5	---	0	---
	26-60	15-20	---	7.9-9.0	5-15	---	0.0-4.0	---
813C:								
Creed----------	0-7	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	7-15	25-35	---	7.9-8.4	---	---	2.0-4.0	8-13
	15-28	20-30	---	8.5-9.0	5-15	0-2	4.0-8.0	13-20
	28-60	15-20	---	8.5-9.0	5-10	1-5	4.0-16.0	13-25
Absher----------	0-5	20-25	---	6.6-8.4	---	---	4.0-8.0	1-5
	5-9	25-30	---	6.6-8.4	---	---	8.0-16.0	18-70
	9-60	20-25	---	7.9-9.0	4-15	1-5	16.0-32.0	18-70
831F:								
Doney----------	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-24	10-15	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-60	---	---	---	---	---	---	---
Cabba----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
831F: (cont.)								
Wayden	0-3	25-30	---	7.4-9.0	1-5	---	0.0-4.0	---
	3-16	15-20	---	7.4-9.0	5-10	---	0.0-8.0	---
	16-60	---	---	---	---	---	---	---
832E:								
Doney	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-24	10-15	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-60	---	---	---	---	---	---	---
Macar	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-11	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	11-60	15-20	---	7.4-9.0	8-15	---	0.0-2.0	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---
841F:								
Birney	0-3	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
Armells	0-4	15-20	---	7.4-8.4	---	---	0	---
	4-60	20-25	---	7.9-8.4	---	---	0	---
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
842F:								
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-16	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	16-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
Yawdim	0-2	20-25	---	6.6-7.8	---	---	0	---
	2-13	20-25	---	7.4-8.4	5-10	---	0	---
	13-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
843E:								
Delpoint	0-5	15-20	---	6.6-8.4	---	---	0	---
	5-27	15-20	---	6.6-8.4	5-10	---	0	---
	27-60	---	---	---	---	---	---	---
Delpoint	0-2	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	2-30	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	30-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
844A:								
Havre	0-5	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	5-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---
Harlake	0-5	20-25	---	7.4-8.4	1-5	---	2.0-4.0	0
	5-60	25-30	---	7.4-8.4	5-10	---	2.0-4.0	0

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
844A: (cont.)								
Glendive	0-6	10-15	---	6.6-9.0	1-5	---	0.0-4.0	---
	6-60	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
845C:								
Ivanell	0-7	15-20	---	6.6-7.8	---	---	0	---
	7-16	10-15	---	7.9-9.0	5-15	---	0.0-4.0	5-10
	16-30	10-15	---	7.4-9.0	5-15	---	8.0-16.0	10-15
	30-60	---	---	---	---	---	---	---
Davidell	0-7	10-15	---	6.6-7.8	0	---	0	0
	7-12	15-20	---	7.4-8.4	0	---	0.0-2.0	1-5
	12-25	10-15	---	7.9-9.0	5-15	---	4.0-8.0	8-15
	25-60	10-15	---	7.9-9.0	5-10	---	8.0-16.0	15-30
846F:								
Blacksheep	0-5	5.0-10	---	7.4-8.4	5-10	---	0	---
	5-18	5.0-10	---	7.9-8.4	---	---	0.0-2.0	---
	18-60	---	---	---	---	---	---	---
Delpoint	0-4	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	4-12	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	12-24	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	24-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
847E:								
Busby	0-4	10-15	---	7.4-8.4	---	---	0	---
	4-21	10-15	---	7.4-8.4	---	---	0	---
	21-45	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
	45-60	5.0-10	---	7.9-8.4	5-15	---	0.0-4.0	---
Yetull	0-5	5.0-10	---	6.6-7.8	---	---	0	---
	5-60	1.0-5.0	---	7.4-8.4	1-5	---	0.0-4.0	---
Rock outcrop	---	---	---	---	---	---	---	---
862E:								
Doney	0-4	15-20	---	7.4-8.4	0-5	---	0.0-2.0	---
	4-24	15-20	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-28	---	---	---	---	---	---	---
Lamedeer	0-4	20-25	---	6.6-7.3	---	---	0	---
	4-26	20-25	---	6.6-7.8	---	---	0	---
	26-60	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-18	---	---	---	---	---	---	---
862F:								
Doney	0-4	15-20	---	7.4-8.4	0-5	---	0.0-2.0	---
	4-24	15-20	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-28	---	---	---	---	---	---	---
Lamedeer	0-4	20-25	---	6.6-7.3	---	---	0	---
	4-26	20-25	---	6.6-7.8	---	---	0	---
	26-60	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
862F: (cont.)								
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-18	---	---	---	---	---	---	---
871C:								
Morton	0-5	15-20	---	6.6-7.3	---	---	0	---
	5-13	20-25	---	6.6-7.8	---	---	0	---
	13-30	15-20	---	7.4-8.4	10-20	---	0	---
	30-60	---	---	---	---	---	---	---
Farland	0-6	15-20	---	6.6-7.8	---	---	0	---
	6-13	20-25	---	6.6-7.8	---	---	0	---
	13-45	15-25	---	7.9-8.4	5-15	---	0.0-4.0	---
	45-60	15-20	---	7.9-9.0	5-10	---	0.0-8.0	---
891D:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Birney	0-5	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	5-11	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	11-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
892D:								
Yamacall	0-7	15-20	---	6.6-8.4	0	---	0	0
	7-14	10-15	---	6.6-8.4	0-5	---	0	0
	14-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-36	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-19	---	---	---	---	---	---	---
901A:								
Sonnett	0-6	10-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-14	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	14-25	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	25-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
Sonnett	0-5	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	5-12	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	12-20	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	20-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
901C:								
Sonnett	0-6	10-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-14	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	14-25	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	25-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
901C: (cont.)								
Sonnett	0-5	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	5-12	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	12-20	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	20-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
902C:								
Sonnett	0-5	20-25	---	7.3-7.8	---	---	0.0-2.0	---
	5-12	25-30	---	7.4-8.4	---	---	0.0-2.0	---
	12-25	15-25	---	7.4-8.4	1-10	---	0.0-2.0	---
	25-60	15-20	---	8.5-9.0	1-10	1-3	0.0-4.0	5-10
Slickspots	---	---	---	---	---	---	---	---
910B:								
Antwerp	0-6	20-25	---	7.8-9.0	1-5	---	0.0-8.0	10-30
	6-24	15-25	---	7.9-9.0	5-10	---	8.0-16.0	15-40
	24-60	10-20	---	7.9-9.0	5-10	---	8.0-16.0	15-30
911F:								
Armells	0-4	10-15	---	7.4-8.4	5-10	---	0	---
	4-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	15-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
912F:								
Armells	0-4	10-15	---	7.4-8.4	5-10	---	0	---
	4-60	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
Kirby	0-4	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	4-14	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	14-60	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
913D:								
Birney	0-5	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	5-11	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	11-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
Cooers	0-4	20-25	---	6.6-8.4	---	---	0	---
	4-19	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	19-38	15-20	---	7.9-9.0	5-15	---	0.0-4.0	---
	38-60	10-15	---	7.9-9.0	5-10	---	0.0-4.0	---
Kirby	0-5	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	5-18	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	18-60	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
914D:								
Bullock	0-7	20-25	---	7.4-9.0	---	---	0.0-4.0	---
	7-11	20-25	---	7.8-9.0	---	---	2.0-8.0	13-30
	11-27	15-20	---	7.8-9.0	5-15	---	4.0-16.0	20-40
	27-60	---	---	---	---	---	---	---
Ralore	0-7	20-25	---	7.4-8.4	---	---	0	---
	7-12	20-25	---	8.5-9.6	1-15	---	2.0-4.0	---
	12-16	20-25	---	8.5-9.6	1-15	---	4.0-8.0	---
	16-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
916E:								
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-15	10-15	---	7.4-8.4	---	---	0	---
	15-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
Twilight	0-3	10-15	---	7.4-7.8	---	---	0	---
	3-15	5.0-10	---	7.4-7.8	---	---	0	---
	15-28	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
Blacksheep	0-2	5.0-10	---	7.4-8.4	---	---	0	---
	2-15	5.0-10	---	7.9-8.4	---	---	0.0-2.0	---
	15-60	---	---	---	---	---	---	---
917D:								
Cambeth	0-5	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	5-22	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	22-30	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	30-60	---	---	---	---	---	---	---
Cabbart	0-7	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	7-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	---	---	---	---	---	---
918E:								
Cambeth	0-3	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	3-10	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	10-32	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	14-60	---	---	---	---	---	---	---
919F:								
Delpoint	0-4	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	4-27	15-20	---	7.9-9.0	5-10	---	0.0-4.0	---
	27-60	---	---	---	---	---	---	---
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
921F:								
Twilight	0-4	10-15	---	7.4-7.8	---	---	0	---
	4-10	5.0-10	---	7.4-7.8	---	---	0	---
	10-30	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	30-34	---	---	---	---	---	---	---
Blacksheep	0-6	10-15	---	7.4-8.4	---	---	0	---
	6-16	10-15	---	7.9-8.4	5-10	---	0.0-2.0	---
	16-60	---	---	---	---	---	---	---
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-10	10-15	---	7.4-8.4	---	---	0	---
	10-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
931C:								
Ralph	0-7	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	7-15	15-25	---	6.6-7.8	---	---	0.0-2.0	---
	15-28	15-20	---	7.4-8.4	5-15	---	0.0-2.0	---
	28-32	---	---	---	---	---	---	---
Brushton	0-6	15-20	---	6.6-7.8	---	---	0	---
	6-18	20-25	---	6.6-7.8	---	---	0	---
	18-60	10-15	---	7.9-9.0	5-10	---	0.0-2.0	---
940E:								
Delpoint	0-3	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	3-17	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	17-28	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
Yamacall	0-5	15-20	---	6.6-8.4	0	0	0	0
	5-11	10-15	---	6.6-8.4	0-5	0	0	0
	11-48	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
	48-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-7	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	7-18	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	18-60	---	---	---	---	---	---	---
941C:								
Gerdrum	0-7	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	7-19	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	19-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
Kobase	0-4	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	4-19	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	19-60	20-25	---	7.9-9.0	5-15	---	0.0-4.0	8-13
942A:								
Harlake	0-8	20-25	---	7.4-8.4	1-5	---	2.0-4.0	0
	8-60	25-30	---	7.4-8.4	5-10	---	2.0-4.0	0
943F:								
Kirby	0-3	10-15	---	7.4-8.4	1-5	---	0.0-2.0	---
	3-11	5.0-10	---	7.9-8.4	5-15	---	0.0-2.0	---
	11-60	0.0-0.0	---	7.9-8.4	1-5	---	0.0-2.0	---
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-11	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	11-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
Rock outcrop	---	---	---	---	---	---	---	---
944E:								
Kobase	0-4	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	4-15	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	15-60	20-25	---	7.9-9.0	5-15	---	0.0-4.0	8-13
Cabbart	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-16	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	16-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
944E: (cont.)								
Yawdim	0-2	20-25	---	7.4-7.8	---	---	0	---
	2-12	20-25	---	7.4-8.4	5-10	---	0	---
	12-60	---	---	---	---	---	---	---
945A:								
Lonna	0-5	15-20	---	6.6-8.4	5-10	---	0.0-2.0	---
	5-26	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	26-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Alona	0-8	15-20	---	6.6-8.4	---	---	2.0-4.0	2-10
	8-14	10-15	---	7.8-9.6	1-5	---	2.0-4.0	1-13
	14-21	10-15	---	8.4-9.6	5-15	---	2.0-8.0	13-40
	21-60	10-15	---	9.0-9.6	5-15	---	8.0-16.0	13-40
945C:								
Lonna	0-4	15-20	---	6.6-8.4	5-10	---	0.0-2.0	---
	4-20	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	20-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Alona	0-3	15-20	---	6.6-8.4	---	---	2.0-4.0	2-10
	3-13	10-15	---	7.8-9.6	1-5	---	2.0-4.0	1-13
	13-25	10-15	---	8.4-9.6	5-15	---	2.0-8.0	13-40
	25-60	10-15	---	9.0-9.6	5-15	---	8.0-16.0	13-40
946A:								
Lonna	0-4	15-20	---	6.6-8.4	5-10	---	0.0-2.0	---
	4-36	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	36-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Antwerp	0-9	20-25	---	7.9-9.0	1-5	---	0.0-8.0	10-30
	9-40	15-25	---	7.9-9.0	5-10	---	8.0-16.0	15-40
	40-60	10-20	---	7.9-9.0	5-10	---	8.0-16.0	15-30
946C:								
Lonna	0-3	15-20	---	6.6-8.4	5-10	---	0.0-2.0	---
	3-13	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	13-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Antwerp	0-8	20-25	---	7.9-9.0	1-5	---	0.0-8.0	10-30
	8-36	15-25	---	7.9-9.0	5-10	---	8.0-16.0	15-40
	36-60	10-20	---	7.9-9.0	5-10	---	8.0-16.0	15-30
947E:								
Lonna	0-3	15-20	---	6.6-8.4	5-10	---	0.0-2.0	---
	3-21	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	21-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
Yawdim	0-4	20-25	---	7.4-7.8	---	---	0	---
	4-15	20-25	---	7.4-8.4	5-10	---	0	---
	15-60	---	---	---	---	---	---	---
948B:								
Rominell	0-6	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	6-13	15-20	---	7.8-9.6	5-15	---	2.0-8.0	13-60
	13-60	10-15	---	7.8-9.6	5-10	---	2.0-8.0	13-30

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
949E:								
Tinsley----------	0-4	5.0-15	---	6.6-7.8	---	---	0	---
	4-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
951C:								
Vanstel----------	0-5	10-15	---	6.6-7.8	---	---	0	---
	5-18	15-20	---	7.4-8.4	---	---	0	---
	18-60	10-15	---	7.9-8.4	5-15	---	0.0-4.0	---
952D:								
Yamacall----------	0-4	15-20	---	6.6-8.4	0	---	0	0
	4-10	10-15	---	6.6-8.4	0-5	---	0	0
	10-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	1-5
Birney----------	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-12	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	12-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
953E:								
Yamacall----------	0-3	15-20	---	6.6-8.4	0	---	0	0
	3-11	10-15	---	6.6-8.4	0-5	---	0	0
	11-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	1-5
Birney----------	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-12	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	12-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
Cabbart----------	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-16	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	16-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
954C:								
Yamacall----------	0-3	15-20	---	6.6-8.4	0	---	0	0
	3-13	10-15	---	6.6-8.4	0-5	---	0	0
	13-42	10-15	---	7.9-9.0	5-15	---	0.0-4.0	1-5
	42-60	5.0-10	---	7.9-9.0	5-10	---	0.0-4.0	1-5
Busby----------	0-5	10-15	---	7.4-8.4	---	---	0	---
	5-11	10-15	---	7.4-8.4	---	---	0	---
	11-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
954D:								
Yamacall----------	0-4	15-20	---	6.6-8.4	0	---	0	0
	4-10	10-15	---	6.6-8.4	0-5	---	0	0
	10-60	10-15	---	7.9-9.0	5-15	---	0.0-4.0	1-5
Busby----------	0-5	10-15	---	7.4-8.4	---	---	0	---
	5-11	10-15	---	7.4-8.4	---	---	0	---
	11-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
955D:								
Yamacall----------	0-4	15-20	---	6.6-8.4	0	---	0	0
	4-15	10-15	---	6.6-8.4	0-5	---	0	0
	15-45	10-15	---	7.9-9.0	5-15	---	0.0-4.0	1-5
	45-60	5.0-10	---	7.9-9.0	5-10	---	0.0-4.0	1-5
Delpoint----------	0-6	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	6-28	15-20	---	7.9-9.0	5-10	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
956F:								
Yawdim	0-2	20-25	---	7.4-7.8	---	---	0	---
	2-10	20-25	---	7.4-8.4	5-10	---	0	---
	10-60	---	---	---	---	---	---	---
Cabbart	0-2	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	2-12	5.0-10	---	7.4-9.0	10-15	---	0.0-4.0	1-5
	12-60	---	5.0-10	---	15-25	---	2.0-8.0	1-5
Kobase	0-4	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	4-22	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	22-60	20-25	---	7.9-9.0	5-15	---	0.0-4.0	8-13
957E:								
Abor	0-3	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	3-32	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-14	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	14-60	---	---	---	---	---	---	---
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-15	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	15-32	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	32-60	---	---	---	---	---	---	---
958D:								
Abor	0-3	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	3-25	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	25-60	---	---	---	---	---	---	---
Delpoint	0-3	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	3-14	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	14-26	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
Kobase	0-3	25-30	---	6.6-8.4	0-5	---	0.0-2.0	1-4
	3-16	20-25	---	7.4-8.4	5-10	---	0.0-2.0	5-10
	16-60	20-25	---	7.9-9.0	5-15	---	0.0-4.0	8-13
959D:								
Abor	0-6	25-30	---	7.4-8.4	1-5	---	0.0-4.0	---
	6-26	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
Weingart	0-3	30-35	---	5.6-7.8	---	---	0.0-2.0	10-20
	3-11	30-35	---	6.5-9.6	---	---	2.0-8.0	10-30
	11-35	30-35	---	7.8-9.6	5-15	0-1	4.0-16.0	13-30
	35-60	---	---	---	---	---	---	---
Neldore	0-3	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	3-9	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	9-15	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	15-60	---	---	---	---	---	---	---
960A:								
Busby	0-10	15-20	---	7.4-8.4	---	---	0	---
	10-16	10-15	---	7.4-8.4	---	---	0	---
	16-60	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
961C:								
Busby	0-4	10-15	---	7.4-8.4	---	---	0	---
	4-21	10-15	---	7.4-8.4	---	---	0	---
	21-45	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
	45-60	5.0-10	---	7.9-8.4	5-15	---	0.0-4.0	---
Yetull	0-8	5.0-10	---	6.6-7.8	---	---	0	---
	8-60	1.0-5.0	---	7.4-8.4	1-5	---	0.0-4.0	---
962F:								
Cambert	0-4	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	4-15	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	15-25	10-15	---	7.4-9.0	10-30	---	0.0-4.0	---
	25-60	---	---	---	---	---	---	---
Bigsheep	0-9	15-20	---	6.6-8.4	---	---	0	---
	9-24	10-15	---	7.9-9.0	15-30	---	0.0-2.0	---
	24-33	10-15	---	7.9-9.0	8-15	---	0.0-2.0	---
	33-60	5.0-15	---	8.5-9.0	8-15	---	0.0-2.0	---
Golva	0-4	15-20	---	6.6-7.8	---	---	0	---
	4-19	20-51	---	6.6-8.4	---	---	0	---
	19-60	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
963E:								
Cambeth	0-5	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	5-11	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	11-25	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	25-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-14	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	14-60	---	---	---	---	---	---	---
Lonna	0-4	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	4-11	10-15	---	7.4-8.4	5-10	---	0.0-2.0	---
	11-60	10-15	---	7.9-9.0	5-15	---	2.0-8.0	1-13
964E:								
Cambeth	0-5	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	5-15	15-20	---	7.4-8.4	5-10	---	0.0-2.0	---
	15-28	10-15	---	7.9-9.0	10-20	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-17	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	17-60	---	---	---	---	---	---	---
Yawdim	0-4	20-25	---	7.4-7.8	---	---	0	---
	4-14	20-25	---	7.4-8.4	5-10	---	0	---
	14-60	---	---	---	---	---	---	---
965C:								
Chinook	0-5	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	5-60	5.0-10	---	6.6-8.4	---	---	0.0-2.0	---
Twilight	0-3	10-15	---	7.4-7.8	---	---	0	---
	3-11	5.0-10	---	7.4-7.8	---	---	0	---
	11-29	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	29-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
966D:								
Chinook	0-4	10-15	---	6.6-8.4	---	---	0.0-2.0	---
	4-41	5.0-10	---	6.6-9.0	---	---	0.0-2.0	---
	41-60	5.0-10	---	7.4-9.0	3-15	---	0.0-2.0	---
Twilight	0-3	10-15	---	6.6-7.8	---	---	0	---
	3-11	5.0-10	---	6.6-7.8	---	---	0	---
	11-31	5.0-10	---	7.4-8.4	5-10	---	0.0-4.0	---
	31-60	---	---	---	---	---	---	---
Blacksheep	0-3	5.0-10	---	7.4-8.4	---	---	0	---
	3-14	5.0-10	---	7.9-8.4	---	---	0.0-2.0	---
	14-60	---	---	---	---	---	---	---
967E:								
Delpoint	0-5	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	5-14	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	14-27	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	27-60	---	---	---	---	---	---	---
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-17	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	17-60	---	---	---	---	---	---	---
Yawdim	0-4	20-25	---	7.4-7.8	---	---	0	---
	4-11	20-25	---	7.4-8.4	5-10	---	0	---
	11-60	---	---	---	---	---	---	---
968E:								
Delpoint	0-4	15-20	---	7.4-8.4	---	---	0.0-4.0	---
	4-11	15-20	---	7.9-8.4	5-10	---	0.0-4.0	---
	11-24	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	24-60	---	---	---	---	---	---	---
Yamacall	0-4	15-20	---	6.6-8.4	0	---	0	0
	4-16	10-15	---	6.6-8.4	0-5	---	0	0
	16-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-14	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	14-60	---	---	---	---	---	---	---
969C:								
Eapa	0-6	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	6-13	30-40	---	6.6-7.8	5-15	---	0.0-2.0	0-5
	13-60	30-40	---	7.9-9.0	5-15	0-2	0.0-4.0	0-5
Delpoint	0-3	15-20	---	6.6-8.4	---	---	0.0-4.0	---
	3-14	15-20	---	6.6-8.4	5-10	---	0.0-4.0	---
	14-26	10-15	---	7.9-9.0	5-15	---	0.0-4.0	---
	26-60	---	---	---	---	---	---	---
971E:								
Lisk	0-3	10-15	---	7.4-8.4	---	---	0.0-2.0	---
	3-15	10-15	---	7.9-8.4	---	---	0.0-2.0	---
	15-32	5.0-10	---	7.9-8.4	5-8	---	0.0-2.0	---
	32-60	0.0-5.0	---	7.9-8.4	---	---	0.0-2.0	---
Cohagen	0-13	5.0-10	---	7.9-8.4	1-5	---	0	---
	13-60	---	---	---	---	---	---	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
971E: (cont.)								
Dast	0-6	10-15	---	6.6-7.8	1-5	---	0	---
	6-36	5.0-10	---	6.6-8.4	5-15	---	0	---
	36-60	---	---	---	---	---	---	---
981C:								
Macar	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-11	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	11-60	15-20	---	7.4-9.0	8-15	---	0.0-2.0	---
Doney	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-24	10-15	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-60	---	---	---	---	---	---	---
982D:								
Macar	0-5	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	5-15	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	15-60	15-20	---	7.4-9.0	8-15	---	0.0-2.0	---
Doney	0-4	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	4-24	10-15	---	7.4-9.0	5-15	---	2.0-4.0	---
	24-60	---	---	---	---	---	---	---
Cabba	0-3	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	3-14	5.0-10	---	7.4-9.0	5-15	---	2.0-8.0	---
	14-60	---	---	---	---	---	---	---
983E:								
Macar	0-3	15-20	---	6.6-7.8	---	---	0.0-2.0	---
	3-11	15-20	---	7.4-8.4	---	---	0.0-2.0	---
	11-60	15-20	---	7.4-9.0	8-15	---	0.0-2.0	---
Lisk	0-3	10-15	---	7.4-8.4	---	---	0.0-2.0	---
	3-15	10-15	---	7.9-8.4	---	---	0.0-2.0	---
	15-32	5.0-10	---	7.9-8.4	5-8	---	0.0-2.0	---
	32-60	0.0-5.0	---	7.9-8.4	---	---	0.0-2.0	---
Cohagen	0-13	5.0-10	---	7.9-8.4	1-5	---	0	---
	13-17	---	---	---	---	---	---	---
990E:								
Lihen	0-10	5.0-10	---	6.6-8.4	---	---	0	---
	10-60	1.0-5.0	---	7.4-8.4	2-15	---	0.0-2.0	---
Tinsley	0-4	5.0-10	---	6.6-7.8	---	---	0	---
	4-60	1.0-5.0	---	6.6-8.4	---	---	0.0-2.0	---
991F:								
Neldore	0-3	30-35	---	6.1-7.8	---	---	0.0-2.0	---
	3-16	30-35	---	5.6-7.8	---	---	0.0-4.0	---
	16-60	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---
Abor	0-3	30-40	---	7.4-8.4	1-5	---	0.0-4.0	---
	3-28	25-40	---	7.9-9.0	5-15	---	0.0-4.0	---
	28-60	---	---	---	---	---	---	---
992C:								
Parshall	0-5	10-15	---	6.6-7.3	---	---	0.0-2.0	---
	5-24	10-15	---	6.6-7.8	---	---	0.0-2.0	---
	24-60	10-15	---	6.6-8.4	5-10	---	0.0-2.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
993C:								
Pinehill	0-5	---	---	6.6-7.8	---	---	---	0
	5-18	---	---	7.4-8.4	1-5	---	---	0
	18-60	---	---	7.9-9.0	5-15	---	0.0-4.0	0
Weingart	0-7	30-35	---	5.6-7.8	---	---	0.0-2.0	10-20
	7-16	30-35	---	6.5-9.6	---	---	2.0-8.0	10-30
	16-38	30-35	---	7.8-9.6	5-15	0-1	4.0-16.0	13-30
	38-60	---	---	---	---	---	---	---
Gerdrum	0-7	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	7-16	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	16-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
994E:								
Cabbart	0-4	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
	4-15	5.0-10	---	7.4-9.0	15-25	1-5	2.0-8.0	1-5
	15-19	---	---	---	---	---	---	---
Bullock	0-3	20-25	---	7.4-9.0	---	---	0.0-4.0	---
	3-10	20-25	---	7.8-9.0	---	---	2.0-8.0	13-30
	10-34	15-20	---	7.8-9.6	5-15	---	4.0-16.0	20-40
	34-38	---	---	---	---	---	---	---
995C:								
Yamacall	0-5	15-20	---	6.6-8.4	0	---	0	0
	5-17	10-15	---	6.6-8.4	0-5	---	0	0
	17-60	10-15	---	7.9-9.0	5-15	0-1	0.0-4.0	1-5
Gerdrum	0-7	20-25	---	6.6-7.8	---	---	0.0-2.0	---
	7-18	25-35	---	7.4-9.0	---	---	1.0-8.0	10-20
	18-60	20-25	---	7.9-9.0	5-15	---	8.0-16.0	13-30
996A:								
Yetull	0-10	5.0-10	---	6.6-7.8	---	---	0	---
	10-60	1.0-5.0	---	7.4-8.4	1-5	---	0.0-4.0	---
Busby	0-3	10-15	---	7.4-8.4	---	---	0	---
	3-20	10-15	---	7.4-8.4	---	---	0	---
	20-42	5.0-15	---	7.9-8.4	5-15	---	0.0-2.0	---
	42-60	5.0-10	---	7.9-8.4	5-15	---	0.0-4.0	---
4621A:								
Hanly	0-5	5.0-10	---	6.6-8.4	1-5	---	0	---
	5-60	5.0-10	---	6.6-8.4	1-5	---	0	---
Glendive	0-4	10-15	---	6.6-9.0	1-5	---	0.0-4.0	---
	4-60	10-15	---	7.4-9.0	5-10	---	0.0-4.0	---
4861A:								
Glendive	0-4	15-20	---	6.6-8.4	1-5	---	0.0-3.0	---
	4-60	10-15	---	7.4-8.4	5-10	---	0.0-3.0	---
Havre	0-9	20-25	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-3.0	---
4871A:								
Havre	0-9	15-20	---	7.4-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-4.0	---

Chemical Properties of the Soils (Continued)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4871A: (cont.)								
Harlake	0-8	20-25	---	7.4-8.4	1-5	---	2.0-4.0	0
	8-60	25-30	---	7.4-8.4	5-10	---	2.0-4.0	0
4881A:								
Havre	0-9	15-20	---	6.1-8.4	1-5	---	0.0-2.0	---
	9-60	15-25	---	7.4-8.4	1-5	---	0.0-3.0	---
DA:								
Denied Access	---	---	---	---	---	---	---	---
M-W:								
Miscellaneous Water	---	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---

Water Features

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
3F:									
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
12E:									
Wabek	A								
		Jan-Dec	---	---	---	---	None	---	None
14B:									
Alona	B								
		Jan-Dec	---	---	---	---	None	---	None
17F:									
Badland	---								
		Jan-Dec	---	---	---	---	None	---	None
18E:									
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Havre	B								
		April	---	---	---	---	None	Brief	Frequent
		May	---	---	---	---	None	Brief	Frequent
		June	---	---	---	---	None	Brief	Frequent
19C:									
Archin	C								
		Jan-Dec	---	---	---	---	None	---	None
21C:									
Benz	D								
		Jan-Dec	---	---	---	---	None	---	None
24B:									
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
25A:									
Marias	D								
		Jan-Dec	---	---	---	---	None	---	None
27A:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
27C:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
30C:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
31A:									
Ryell	B								
		April	---	---	---	---	None	Brief	Rare
		May	---	---	---	---	None	Brief	Rare
		June	---	---	---	---	None	Brief	Rare
33A:									
Chanta	B								
		Jan-Dec	---	---	---	---	None	---	None
34C:									
Tally	B								
		Jan-Dec	---	---	---	---	None	---	None
35C:									
Chinook	B								
		Jan-Dec	---	---	---	---	None	---	None
37B:									
Degrand	B								
		Jan-Dec	---	---	---	---	None	---	None
39A:									
Ethridge	C								
		Jan-Dec	---	---	---	---	None	---	None
39C:									
Ethridge	C								
		Jan-Dec	---	---	---	---	None	---	None
40A:									
Savage	C								
		Jan-Dec	---	---	---	---	None	---	None
40C:									
Savage	C								
		Jan-Dec	---	---	---	---	None	---	None
41A:									
Eapa	B								
		Jan-Dec	---	---	---	---	None	---	None
41C:									
Eapa	B								
		Jan-Dec	---	---	---	---	None	---	None
43F:									
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
Lilsheep	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
44A:									
Farnuf	B								
		Jan-Dec	---	---	---	---	None	---	None
44C:									
Farnuf	B								
		Jan-Dec	---	---	---	---	None	---	None
45A:									
Glendive	B								
		Jan-Dec	---	---	---	---	None	---	None
46A:									
Hanly	A								
		Jan-Dec	---	---	---	---	None	---	None
47A:									
Harlake	C								
		Jan-Dec	---	---	---	---	None	---	None
50C:									
Kremlin	B								
		Jan-Dec	---	---	---	---	None	---	None
51C:									
Shambo	B								
		Jan-Dec	---	---	---	---	None	---	None
52A:									
Sagedale	C								
		Jan-Dec	---	---	---	---	None	---	None
52C:									
Sagedale	C								
		Jan-Dec	---	---	---	---	None	---	None
53A:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
53C:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
53D:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
56A:									
Cherry	B								
		Jan-Dec	---	---	---	---	None	---	None
56C:									
Cherry	B								
		Jan-Dec	---	---	---	---	None	---	None
57A:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
57C:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
59C:									
Farland	B								
		Jan-Dec	---	---	---	---	None	---	None
60A:									
Golva	B								
		Jan-Dec	---	---	---	---	None	---	None
60C:									
Golva	B								
		Jan-Dec	---	---	---	---	None	---	None
61A:									
Marias	D								
		Jan-Dec	---	---	---	---	None	---	None
62A:									
Marvan	D								
		Jan-Dec	---	---	---	---	None	---	None
62C:									
Marvan	D								
		Jan-Dec	---	---	---	---	None	---	None
64A:									
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
64C:									
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
64D:									
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
67A:									
Riverwash	---								
		Jan-Dec	---	---	---	---	None	---	None
75C:									
Weingart	D								
		Jan-Dec	---	---	---	---	None	---	None
Ivanell	C								
		Jan-Dec	---	---	---	---	None	---	None
76B:									
Vanstel	B								
		Jan-Dec	---	---	---	---	None	---	None
76C:									
Vanstel	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
77A:									
Havre	B								
		April	---	---	---	---	None	Brief	Frequent
		May	---	---	---	---	None	Brief	Frequent
		June	---	---	---	---	None	Brief	Frequent
Bigsandy	D								
		January	1.0-2.0	>6.0	---	---	None	---	None
		February	1.0-2.0	>6.0	---	---	None	---	None
		March	1.0-2.0	>6.0	---	---	None	---	None
		April	1.0-2.0	>6.0	---	---	None	Long	Frequent
		May	1.0-2.0	>6.0	---	---	None	Long	Frequent
		June	1.0-2.0	>6.0	---	---	None	Long	Frequent
		December	1.0-2.0	>6.0	---	---	None	---	None
79A:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
79C:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
79D:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
81A:									
Creed	C								
		Jan-Dec	---	---	---	---	None	---	None
81C:									
Creed	C								
		Jan-Dec	---	---	---	---	None	---	None
85C:									
Foreleft	B								
		Jan-Dec	---	---	---	---	None	---	None
88A:									
Floweree	B								
		Jan-Dec	---	---	---	---	None	---	None
88C:									
Floweree	B								
		Jan-Dec	---	---	---	---	None	---	None
90A:									
Sonnett	D								
		Jan-Dec	---	---	---	---	None	---	None
90C:									
Sonnett	D								
		Jan-Dec	---	---	---	---	None	---	None
93B:									
Brushton	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
98A:									
Macar	B								
		Jan-Dec	---	---	---	---	None	---	None
98C:									
Macar	B								
		Jan-Dec	---	---	---	---	None	---	None
112C:									
Absher	D								
		Jan-Dec	---	---	---	---	None	---	None
121D:									
Kremlin	B								
		Jan-Dec	---	---	---	---	None	---	None
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
Degrand	B								
		Jan-Dec	---	---	---	---	None	---	None
122D:									
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
Chanta	B								
		Jan-Dec	---	---	---	---	None	---	None
123F:									
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
151F:									
Armells	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Kirby	A								
		Jan-Dec	---	---	---	---	None	---	None
191C:									
Archin	C								
		Jan-Dec	---	---	---	---	None	---	None
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
192C:									
Archin	C								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydro-logic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
192C: (cont.)									
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
Bullock	D								
		Jan-Dec	---	---	---	---	None	---	None
222D:									
Floweree	B								
		Jan-Dec	---	---	---	---	None	---	None
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Lilsheep	B								
		Jan-Dec	---	---	---	---	None	---	None
228F:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Lilsheep	B								
		Jan-Dec	---	---	---	---	None	---	None
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
241B:									
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
Antwerp	C								
		Jan-Dec	---	---	---	---	None	---	None
242C:									
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
Ivanell	C								
		Jan-Dec	---	---	---	---	None	---	None
271E:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
277D:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
278E:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
278E: (cont.)									
Yetull	A								
		Jan-Dec	---	---	---	---	None	---	None
293E:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Kirby	A								
		Jan-Dec	---	---	---	---	None	---	None
296F:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
297C:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Megonot	C								
		Jan-Dec	---	---	---	---	None	---	None
297D:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Megonot	C								
		Jan-Dec	---	---	---	---	None	---	None
297E:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
311A:									
Ryell	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
341D:									
Tally	B								
		Jan-Dec	---	---	---	---	None	---	None
Vebar	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
342C:									
Tally	B	Jan-Dec	---	---	---	---	None	---	None
Shambo	B	Jan-Dec	---	---	---	---	None	---	None
352D:									
Chinook	B	Jan-Dec	---	---	---	---	None	---	None
Twilight	B	Jan-Dec	---	---	---	---	None	---	None
353C:									
Chinook	B	Jan-Dec	---	---	---	---	None	---	None
Kremlin	B	Jan-Dec	---	---	---	---	None	---	None
355C:									
Chinook	B	Jan-Dec	---	---	---	---	None	---	None
Twilight	B	Jan-Dec	---	---	---	---	None	---	None
Eapa	B	Jan-Dec	---	---	---	---	None	---	None
357D:									
Chinook	B	Jan-Dec	---	---	---	---	None	---	None
Lihen	A	Jan-Dec	---	---	---	---	None	---	None
Twilight	B	Jan-Dec	---	---	---	---	None	---	None
361E:									
Doney	C	Jan-Dec	---	---	---	---	None	---	None
Broadus	B	Jan-Dec	---	---	---	---	None	---	None
Cabba	D	Jan-Dec	---	---	---	---	None	---	None
381F:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Armells	B	Jan-Dec	---	---	---	---	None	---	None
383F:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
383F: (cont.)									
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Yawdim	D	Jan-Dec	---	---	---	---	None	---	None
385E:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
386F:									
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
387D:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Busby	B	Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C	Jan-Dec	---	---	---	---	None	---	None
388D:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Kobase	C	Jan-Dec	---	---	---	---	None	---	None
Yawdim	D	Jan-Dec	---	---	---	---	None	---	None
421A:									
Gerdrum	D	Jan-Dec	---	---	---	---	None	---	None
Creed	C	Jan-Dec	---	---	---	---	None	---	None
421C:									
Gerdrum	D	Jan-Dec	---	---	---	---	None	---	None
Creed	C	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
421D:									
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
Creed	C								
		Jan-Dec	---	---	---	---	None	---	None
432D:									
Slickspots	---								
		Jan-Dec	---	---	---	---	None	---	None
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
451A:									
Glendive	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
452A:									
Glendive	B								
		April	---	---	---	---	None	Brief	Rare
		May	---	---	---	---	None	Brief	Rare
		June	---	---	---	---	None	Brief	Rare
453A:									
Glendive	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
456A:									
Havre	B								
		April	---	---	---	---	None	Brief	Frequent
		May	---	---	---	---	None	Brief	Frequent
		June	---	---	---	---	None	Brief	Frequent
Glendive	B								
		April	---	---	---	---	None	Brief	Frequent
		May	---	---	---	---	None	Brief	Frequent
		June	---	---	---	---	None	Brief	Frequent
461A:									
Hanly	A								
		March	---	---	---	---	None	Brief	Occasional
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
462A:									
Hanly	A								
		Jan-Dec	---	---	---	---	None	---	None
Glendive	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
471A:									
Harlake	C								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
473A:									
Lallie	D								
		April	0.5-1.5	>6.0	---	---	None	Long	Frequent
		May	0.5-1.5	>6.0	---	---	None	Long	Frequent
		June	0.5-1.5	>6.0	---	---	None	Long	Frequent
		July	0.5-1.5	>6.0	---	---	None	---	None
		August	0.5-1.5	>6.0	---	---	None	---	None
481A:									
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
483A:									
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
486A:									
Glendive	B								
		Jan-Dec	---	---	---	---	None	---	None
Havre	B								
		Jan-Dec	---	---	---	---	None	---	None
487A:									
Havre	B								
		Jan-Dec	---	---	---	---	None	---	None
Harlake	C								
		Jan-Dec	---	---	---	---	None	---	None
488A:									
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
489A:									
Spinekop	B								
		Jan-Dec	---	---	---	---	None	---	None
491A:									
Ismay	B								
		March	---	---	---	---	None	Brief	Occasional
		April	---	---	---	---	None	Brief	Occasional
		May	3.0-5.0	>6.0	---	---	None	Brief	Occasional
		June	3.0-5.0	>6.0	---	---	None	Brief	Occasional
		July	3.0-5.0	>6.0	---	---	None	---	None
		August	3.0-5.0	>6.0	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
501C:									
Kremlin	B								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
511C:									
Shambo	B								
		Jan-Dec	---	---	---	---	None	---	None
Doney	C								
		Jan-Dec	---	---	---	---	None	---	None
531D:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
532C:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
534C:									
Marias	D								
		Jan-Dec	---	---	---	---	None	---	None
542E:									
Lihen	A								
		Jan-Dec	---	---	---	---	None	---	None
Yetull	A								
		Jan-Dec	---	---	---	---	None	---	None
552D:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
Marvan	D								
		Jan-Dec	---	---	---	---	None	---	None
554E:									
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Weingart	D								
		Jan-Dec	---	---	---	---	None	---	None
561C:									
Cherry	B								
		Jan-Dec	---	---	---	---	None	---	None
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
562D:									
Cherry	B	Jan-Dec	---	---	---	---	None	---	None
Cambert	C	Jan-Dec	---	---	---	---	None	---	None
Cabba	D	Jan-Dec	---	---	---	---	None	---	None
573D:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
574E:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
575C:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
576A:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
576C:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
577D:									
Lonna	B	Jan-Dec	---	---	---	---	None	---	None
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
581C:									
Ivanell	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
602C:									
Bonfri	C	Jan-Dec	---	---	---	---	None	---	None
603D:									
Busby	B	Jan-Dec	---	---	---	---	None	---	None
604E:									
Busby	B	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Yawdim	D	Jan-Dec	---	---	---	---	None	---	None
605D:									
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
607C:									
Cambeth	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
608C:									
Chinook	B	Jan-Dec	---	---	---	---	None	---	None
612F:									
Kirby	A	Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C	Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---	Jan-Dec	---	---	---	---	None	---	None
613C:									
Kremlin	B	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
615C:									
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Havre	B	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
621B:									
Marvan	D								
		Jan-Dec	---	---	---	---	None	---	None
Vanda	D								
		Jan-Dec	---	---	---	---	None	---	None
631F:									
Bitton	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
Ringling	A								
		Jan-Dec	---	---	---	---	None	---	None
641D:									
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
Absher	D								
		Jan-Dec	---	---	---	---	None	---	None
650F:									
Armells	B								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
651C:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
652C:									
Chinook	B								
		Jan-Dec	---	---	---	---	None	---	None
653B:									
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
654B:									
Eapa	B								
		Jan-Dec	---	---	---	---	None	---	None
656A:									
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
657C:									
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
658C:									
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
Marvan	D								
		Jan-Dec	---	---	---	---	None	---	None
659A:									
Glendive	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
660A:									
Hanly	A								
		March	---	---	---	---	None	Brief	Occasional
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
Glendive	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
661A:									
Havre	C								
		April	0.0	>6.0	0.0-1.0	Long	Occasional	Brief	Frequent
		May	0.0	>6.0	0.0-1.0	Long	Occasional	Brief	Frequent
		June	0.0	>6.0	0.0-1.0	Long	Occasional	Brief	Frequent
662F:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
663F:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
664F:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
665F:									
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
666C:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Volborg	D								
		Jan-Dec	---	---	---	---	None	---	None
667E:									
Weingart	D								
		Jan-Dec	---	---	---	---	None	---	None
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
668A:									
Zatoville	C								
		May	3.0-5.0	>6.0	---	---	None	---	None
		June	3.0-5.0	>6.0	---	---	None	---	None
		July	3.0-5.0	>6.0	---	---	None	---	None
		August	3.0-5.0	>6.0	---	---	None	---	None
		September	3.0-5.0	>6.0	---	---	None	---	None
		October	3.0-5.0	>6.0	---	---	None	---	None
		November	3.0-5.0	>6.0	---	---	None	---	None
681A:									
Rivra	D								
		April	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		May	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		June	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		July	0.0-3.5	>6.0	---	---	None	---	None
Rivra	D								
		April	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		May	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		June	0.0-3.5	>6.0	---	---	None	Brief	Occasional
		July	0.0-3.5	>6.0	---	---	None	---	None
691F:									
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Kirby	A								
		Jan-Dec	---	---	---	---	None	---	None
701E:									
Lamedeer	B								
		Jan-Dec	---	---	---	---	None	---	None
Broadus	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
701E: (cont.)									
Ringling	A								
		Jan-Dec	---	---	---	---	None	---	None
702F:									
Lamedeer	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
Ringling	A								
		Jan-Dec	---	---	---	---	None	---	None
731E:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
Ringling	A								
		Jan-Dec	---	---	---	---	None	---	None
732C:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Widen	C								
		Jan-Dec	---	---	---	---	None	---	None
732D:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Widen	C								
		Jan-Dec	---	---	---	---	None	---	None
733E:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
Widen	C								
		Jan-Dec	---	---	---	---	None	---	None
734E:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Cherry	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
742E:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
742E: (cont.)									
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
781A:									
Vanda	D								
		April	1.5-3.0	>6.0	---	---	None	---	None
		May	1.5-3.0	>6.0	---	---	None	---	None
		June	1.5-3.0	>6.0	---	---	None	---	None
		July	1.5-3.0	>6.0	---	---	None	---	None
		August	1.5-3.0	>6.0	---	---	None	---	None
797E:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
798C:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
799E:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Birney	B								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
802E:									
Shambo	B								
		Jan-Dec	---	---	---	---	None	---	None
Lisk	B								
		Jan-Dec	---	---	---	---	None	---	None
Dast	B								
		Jan-Dec	---	---	---	---	None	---	None
811C:									
Creed	C								
		Jan-Dec	---	---	---	---	None	---	None
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
813C:									
Creed	C								
		Jan-Dec	---	---	---	---	None	---	None
Absher	D								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
831F:									
Doney	C	Jan-Dec	---	---	---	---	None	---	None
Cabba	D	Jan-Dec	---	---	---	---	None	---	None
Wayden	D	Jan-Dec	---	---	---	---	None	---	None
832E:									
Doney	C	Jan-Dec	---	---	---	---	None	---	None
Macar	B	Jan-Dec	---	---	---	---	None	---	None
Cabba	D	Jan-Dec	---	---	---	---	None	---	None
841F:									
Birney	B	Jan-Dec	---	---	---	---	None	---	None
Armells	B	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
842F:									
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Yawdim	D	Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---	Jan-Dec	---	---	---	---	None	---	None
843E:									
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
844A: (cont.)									
Glendive	B								
		April	---	---	---	---	None	Brief	Frequent
		May	---	---	---	---	None	Brief	Frequent
		June	---	---	---	---	None	Brief	Frequent
845C:									
Ivanell	C								
		Jan-Dec	---	---	---	---	None	---	None
Davidell	B								
		Jan-Dec	---	---	---	---	None	---	None
846F:									
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
847E:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Yetull	A								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
862E:									
Doney	C								
		Jan-Dec	---	---	---	---	None	---	None
Lamedeer	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
862F:									
Doney	C								
		Jan-Dec	---	---	---	---	None	---	None
Lamedeer	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
871C:									
Morton	B								
		Jan-Dec	---	---	---	---	None	---	None
Farland	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
891D:									
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Birney	B	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
892D:									
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
901A:									
Sonnett	D	Jan-Dec	---	---	---	---	None	---	None
Sonnett	D	Jan-Dec	---	---	---	---	None	---	None
901C:									
Sonnett	D	Jan-Dec	---	---	---	---	None	---	None
Sonnett	D	Jan-Dec	---	---	---	---	None	---	None
902C:									
Sonnett	D	Jan-Dec	---	---	---	---	None	---	None
Slickspots	---	Jan-Dec	---	---	---	---	None	---	None
910B:									
Antwerp	C	Jan-Dec	---	---	---	---	None	---	None
911F:									
Armells	B	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
912F:									
Armells	B	Jan-Dec	---	---	---	---	None	---	None
Kirby	A	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
913D:									
Birney	B								
		Jan-Dec	---	---	---	---	None	---	None
Cooers	B								
		Jan-Dec	---	---	---	---	None	---	None
Kirby	A								
		Jan-Dec	---	---	---	---	None	---	None
914D:									
Bullock	D								
		Jan-Dec	---	---	---	---	None	---	None
Ralore	D								
		Jan-Dec	---	---	---	---	None	---	None
916E:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
917D:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
918E:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
919F:									
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
921F:									
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
931C:									
Ralph	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
931C: (cont.)									
Brushton	B								
		Jan-Dec	---	---	---	---	None	---	None
940E:									
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
941C:									
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
942A:									
Harlake	C								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
943F:									
Kirby	A								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
944E:									
Kobase	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
945A:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
Alona	B								
		Jan-Dec	---	---	---	---	None	---	None
945C:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
Alona	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
946A:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
Antwerp	C								
		Jan-Dec	---	---	---	---	None	---	None
946C:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
Antwerp	C								
		Jan-Dec	---	---	---	---	None	---	None
947E:									
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
948B:									
Rominell	C								
		Jan-Dec	---	---	---	---	None	---	None
949E:									
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
951C:									
Vanstel	B								
		Jan-Dec	---	---	---	---	None	---	None
952D:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Birney	B								
		Jan-Dec	---	---	---	---	None	---	None
953E:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Birney	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
954C:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
954D:									
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Busby	B	Jan-Dec	---	---	---	---	None	---	None
955D:									
Yamacall	B	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
956F:									
Yawdim	D	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Kobase	C	Jan-Dec	---	---	---	---	None	---	None
957E:									
Abor	D	Jan-Dec	---	---	---	---	None	---	None
Cabbart	D	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
958D:									
Abor	D	Jan-Dec	---	---	---	---	None	---	None
Delpoint	C	Jan-Dec	---	---	---	---	None	---	None
Kobase	C	Jan-Dec	---	---	---	---	None	---	None
959D:									
Abor	D	Jan-Dec	---	---	---	---	None	---	None
Weingart	D	Jan-Dec	---	---	---	---	None	---	None
Neldore	D	Jan-Dec	---	---	---	---	None	---	None
960A:									
Busby	B	Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydro-logic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
961C:									
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
Yetull	A								
		Jan-Dec	---	---	---	---	None	---	None
962F:									
Cambert	C								
		Jan-Dec	---	---	---	---	None	---	None
Bigsheep	B								
		Jan-Dec	---	---	---	---	None	---	None
Golva	B								
		Jan-Dec	---	---	---	---	None	---	None
963E:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Lonna	B								
		Jan-Dec	---	---	---	---	None	---	None
964E:									
Cambeth	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
965C:									
Chinook	B								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
966D:									
Chinook	B								
		Jan-Dec	---	---	---	---	None	---	None
Twilight	B								
		Jan-Dec	---	---	---	---	None	---	None
Blacksheep	C								
		Jan-Dec	---	---	---	---	None	---	None
967E:									
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
967E: (cont.)									
Yawdim	D								
		Jan-Dec	---	---	---	---	None	---	None
968E:									
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
969C:									
Eapa	B								
		Jan-Dec	---	---	---	---	None	---	None
Delpoint	C								
		Jan-Dec	---	---	---	---	None	---	None
971E:									
Lisk	B								
		Jan-Dec	---	---	---	---	None	---	None
Cohagen	D								
		Jan-Dec	---	---	---	---	None	---	None
Dast	B								
		Jan-Dec	---	---	---	---	None	---	None
981C:									
Macar	B								
		Jan-Dec	---	---	---	---	None	---	None
Doney	C								
		Jan-Dec	---	---	---	---	None	---	None
982D:									
Macar	B								
		Jan-Dec	---	---	---	---	None	---	None
Doney	C								
		Jan-Dec	---	---	---	---	None	---	None
Cabba	D								
		Jan-Dec	---	---	---	---	None	---	None
983E:									
Macar	B								
		Jan-Dec	---	---	---	---	None	---	None
Lisk	B								
		Jan-Dec	---	---	---	---	None	---	None
Cohagen	D								
		Jan-Dec	---	---	---	---	None	---	None
990E:									
Lihen	A								
		Jan-Dec	---	---	---	---	None	---	None

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
990E: (cont.)									
Tinsley	A								
		Jan-Dec	---	---	---	---	None	---	None
991F:									
Neldore	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop	---								
		Jan-Dec	---	---	---	---	None	---	None
Abor	D								
		Jan-Dec	---	---	---	---	None	---	None
992C:									
Parshall	B								
		Jan-Dec	---	---	---	---	None	---	None
993C:									
Pinehill	B								
		Jan-Dec	---	---	---	---	None	---	None
Weingart	D								
		Jan-Dec	---	---	---	---	None	---	None
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
994E:									
Cabbart	D								
		Jan-Dec	---	---	---	---	None	---	None
Bullock	D								
		Jan-Dec	---	---	---	---	None	---	None
995C:									
Yamacall	B								
		Jan-Dec	---	---	---	---	None	---	None
Gerdrum	D								
		Jan-Dec	---	---	---	---	None	---	None
996A:									
Yetull	A								
		Jan-Dec	---	---	---	---	None	---	None
Busby	B								
		Jan-Dec	---	---	---	---	None	---	None
4621A:									
Hanly	A								
		March	---	---	---	---	None	Brief	Occasional
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
Glendive	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional

Water Features (Continued)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
			Ft	Ft	Ft				
4861A:									
Glendive	B								
		Jan-Dec	---	---	---	---	None	---	None
Havre	B								
		Jan-Dec	---	---	---	---	None	---	None
4871A:									
Havre	B								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
Harlake	C								
		April	---	---	---	---	None	Brief	Occasional
		May	---	---	---	---	None	Brief	Occasional
		June	---	---	---	---	None	Brief	Occasional
4881A:									
Havre	B								
		Jan-Dec	---	---	---	---	None	---	None
DA:									
Denied Access	---								
		Jan-Dec	---	---	---	---	None	---	None
M-W:									
Miscellaneous Water	---								
		Jan-Dec	---	---	---	---	None	---	None
W:									
Water	---								
		Jan-Dec	---	---	---	---	None	---	None

Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
3F:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
12E:									
Wabek	---	---	---	---	---	---	Low	Moderate	Low
14B:									
Alona	---	---	---	---	---	---	Moderate	High	High
17F:									
Badland	---	---	---	---	---	---	---	---	---
18E:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
19C:									
Archin	---	---	---	---	---	---	Moderate	High	Moderate
21C:									
Benz	---	---	---	---	---	---	Moderate	High	Low
24B:									
Davidell	---	---	---	---	---	---	Moderate	High	Low
25A:									
Marias	---	---	---	---	---	---	Low	High	Low
27A:									
Busby	---	---	---	---	---	---	Moderate	High	Low
27C:									
Busby	---	---	---	---	---	---	Moderate	High	Low
30C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
31A:									
Ryell	---	---	---	---	---	---	Moderate	High	Low
33A:									
Chanta	---	---	---	---	---	---	Moderate	High	Low
34C:									
Tally	---	---	---	---	---	---	Moderate	High	Low
35C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
37B:									
Degrand	---	---	---	---	---	---	Moderate	High	Low
39A:									
Ethridge	---	---	---	---	---	---	Low	High	Low
39C:									
Ethridge	---	---	---	---	---	---	Low	High	Low
40A:									
Savage	---	---	---	---	---	---	Low	High	Low
40C:									
Savage	---	---	---	---	---	---	Low	High	Low
41A:									
Eapa	---	---	---	---	---	---	Moderate	Moderate	Low
41C:									
Eapa	---	---	---	---	---	---	Moderate	Moderate	Low
43F:									
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Lilsheep	Bedrock (paralithic)	40-60	---	---	---	---	Moderate	High	Low
44A:									
Farnuf	---	---	---	---	---	---	Moderate	High	Low
44C:									
Farnuf	---	---	---	---	---	---	Moderate	High	Low
45A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
46A:									
Hanly	---	---	---	---	---	---	Low	Moderate	Low
47A:									
Harlake	---	---	---	---	---	---	Low	High	Low
50C:									
Kremlin	---	---	---	---	---	---	Moderate	High	Low
51C:									
Shambo	---	---	---	---	---	---	Moderate	High	Low
52A:									
Sagedale	---	---	---	---	---	---	Low	High	Low
52C:									
Sagedale	---	---	---	---	---	---	Low	High	Low
53A:									
Kobase	---	---	---	---	---	---	Low	High	Low
53C:									
Kobase	---	---	---	---	---	---	Low	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
53D:									
Kobase	---	---	---	---	---	---	Low	High	Low
56A:									
Cherry	---	---	---	---	---	---	Moderate	High	Low
56C:									
Cherry	---	---	---	---	---	---	Moderate	High	Low
57A:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
57C:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
59C:									
Farland	---	---	---	---	---	---	Moderate	High	Low
60A:									
Golva	---	---	---	---	---	---	Moderate	High	Moderate
60C:									
Golva	---	---	---	---	---	---	Moderate	High	Moderate
61A:									
Marias	---	---	---	---	---	---	Low	High	Low
62A:									
Marvan	---	---	---	---	---	---	Low	High	Moderate
62C:									
Marvan	---	---	---	---	---	---	Low	High	Moderate
64A:									
Pinehill	---	---	---	---	---	---	Low	High	Low
64C:									
Pinehill	---	---	---	---	---	---	Low	High	Low
64D:									
Pinehill	---	---	---	---	---	---	Low	High	Low
67A:									
Riverwash	---	---	---	---	---	---	---	---	---
75C:									
Weingart	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Moderate
Ivanell	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
76B:									
Vanstel	---	---	---	---	---	---	Moderate	High	Low
76C:									
Vanstel	---	---	---	---	---	---	Moderate	High	Low
77A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
Bigsandy	---	---	---	---	---	---	High	High	High

Soil Features (Continued)

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
79A:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
79C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
79D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
81A:									
Creed	---	---	---	---	---	---	Low	High	Moderate
81C:									
Creed	---	---	---	---	---	---	Low	High	Moderate
85C:									
Foreleft	---	---	---	---	---	---	Moderate	High	Low
88A:									
Floweree	---	---	---	---	---	---	Moderate	High	Low
88C:									
Floweree	---	---	---	---	---	---	Moderate	High	Low
90A:									
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
90C:									
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
93B:									
Brushton	---	---	---	---	---	---	Moderate	High	Low
98A:									
Macar	---	---	---	---	---	---	Moderate	High	Low
98C:									
Macar	---	---	---	---	---	---	Moderate	High	Low
112C:									
Absher	---	---	---	---	---	---	Low	High	Moderate
121D:									
Kremlin	---	---	---	---	---	---	Moderate	High	Low
Tinsley	---	---	---	---	---	---	Low	High	Low
Degrand	---	---	---	---	---	---	Moderate	High	Low
122D:									
Tinsley	---	---	---	---	---	---	Low	High	Low
Chanta	---	---	---	---	---	---	Moderate	High	Low
123F:									
Tinsley	---	---	---	---	---	---	Low	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
151F:									
Armells	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Kirby	---	---	---	---	---	---	Low	High	Low
191C:									
Archin	---	---	---	---	---	---	Moderate	High	Moderate
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
192C:									
Archin	---	---	---	---	---	---	Moderate	High	Moderate
Davidell	---	---	---	---	---	---	Moderate	High	Low
Bullock	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
222D:									
Floweree	---	---	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Lilsheep	Bedrock (paralithic)	40-60	---	---	---	---	Moderate	High	Low
228F:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Lilsheep	Bedrock (paralithic)	40-60	---	---	---	---	Moderate	High	Low
Lonna	---	---	---	---	---	---	Moderate	High	Low
241B:									
Davidell	---	---	---	---	---	---	Moderate	High	Low
Antwerp	---	---	---	---	---	---	Moderate	High	High
242C:									
Davidell	---	---	---	---	---	---	Moderate	High	Low
Ivanell	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
271E:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
277D:									
Busby	---	---	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
277D: (cont.)									
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
278E:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Yetull	---	---	---	---	---	---	Low	High	Low
293E:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Kirby	---	---	---	---	---	---	Low	High	Low
296F:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
297C:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Megonot	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
297D:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Megonot	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
297E:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
311A:									
Ryell	---	---	---	---	---	---	Moderate	High	Low
341D:									
Tally	---	---	---	---	---	---	Moderate	High	Low
Vebar	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Moderate	Low
342C:									
Tally	---	---	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
342C: (cont.)									
Shambo	---	---	---	---	---	---	Moderate	High	Low
352D:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
353C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Kremlin	---	---	---	---	---	---	Moderate	High	Low
355C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Eapa	---	---	---	---	---	---	Moderate	Moderate	Low
357D:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Lihen	---	---	---	---	---	---	Low	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
361E:									
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Broadus	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
381F:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Armells	---	---	---	---	---	---	Moderate	High	Low
383F:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
385E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
386F:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
387D:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
388D:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Kobase	---	---	---	---	---	---	Low	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
421A:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
Creed	---	---	---	---	---	---	Low	High	Moderate
421C:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
Creed	---	---	---	---	---	---	Low	High	Moderate
421D:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
Creed	---	---	---	---	---	---	Low	High	Moderate
432D:									
Slickspots	---	---	---	---	---	---	---	---	---
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
451A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
452A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
453A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
456A:									
Havre	---	---	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
456A: (cont.)									
Glendive	---	---	---	---	---	---	Moderate	High	Low
461A:									
Hanly	---	---	---	---	---	---	Low	Moderate	Low
462A:									
Hanly	---	---	---	---	---	---	Low	Moderate	Low
Glendive	---	---	---	---	---	---	Moderate	High	Low
471A:									
Harlake	---	---	---	---	---	---	Low	High	Low
473A:									
Lallie	---	---	---	---	---	---	High	High	Moderate
481A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
483A:									
Havre	---	---	---	---	---	---	Low	High	Low
486A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
487A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
Harlake	---	---	---	---	---	---	Low	High	Low
488A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
489A:									
Spinekop	---	---	---	---	---	---	Moderate	High	Low
491A:									
Ismay	---	---	---	---	---	---	Moderate	High	High
501C:									
Kremlin	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
511C:									
Shambo	---	---	---	---	---	---	Moderate	High	Low
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
531D:									
Kobase	---	---	---	---	---	---	Low	High	Low
532C:									
Kobase	---	---	---	---	---	---	Low	High	Low
Gerdrum	---	---	---	---	---	---	Low	High	Moderate

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
534C:									
Marias	---	---	---	---	---	---	Low	High	Low
542E:									
Lihen	---	---	---	---	---	---	Low	High	Low
Yetull	---	---	---	---	---	---	Low	High	Low
552D:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Marvan	---	---	---	---	---	---	Low	High	Moderate
554E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Weingart	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Moderate
561C:									
Cherry	---	---	---	---	---	---	Moderate	High	Low
Cambert	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
562D:									
Cherry	---	---	---	---	---	---	Moderate	High	Low
Cambert	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
573D:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Yamacall	---	---	---	---	---	---	Moderate	High	Low
574E:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
575C:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
576A:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
576C:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
577D:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
581C:									
Ivanell	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
602C:									
Bonfri	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
603D:									
Busby	---	---	---	---	---	---	Moderate	High	Low
604E:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
605D:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
607C:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
608C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
612F:									
Kirby	---	---	---	---	---	---	Low	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
613C:									
Kremlin	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
615C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
621B:									
Marvan	---	---	---	---	---	---	Low	High	Moderate
Vanda	---	---	---	---	---	---	Low	High	Moderate
631F:									
Bitton	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Ringling	---	---	---	---	---	---	Low	Moderate	Low
641D:									
Pinehill	---	---	---	---	---	---	Low	High	Low
Absher	---	---	---	---	---	---	Low	High	Moderate
650F:									
Armells	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
651C:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
652C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
653B:									
Davidell	---	---	---	---	---	---	Moderate	High	Low
654B:									
Eapa	---	---	---	---	---	---	Moderate	Moderate	Low
656A:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
657C:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
658C:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
Marvan	---	---	---	---	---	---	Low	High	Moderate
659A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
660A:									
Hanly	---	---	---	---	---	---	Low	Moderate	Low
Glendive	---	---	---	---	---	---	Moderate	High	Low
661A:									
Havre	---	---	---	---	---	---	Moderate	High	Moderate
662F:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
663F:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
664F:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Rock outcrop	---	---	---	---	---	---	---	---	---
665F:									
Tinsley	---	---	---	---	---	---	Low	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
666C:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Volborg	Bedrock (paralithic)	10-15	---	---	---	---	Low	High	High
667E:									
Weingart	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Moderate
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
668A:									
Zatoville	---	---	---	---	---	---	Moderate	High	High

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
681A:									
Rivra	---	---	---	---		---	Low	High	Low
Rivra	---	---	---	---		---	Low	High	Low
691F:									
Rock outcrop	---	---	---	---		---	---	---	---
Cabbart	Bedrock (paralithic)	10-20	---	---		---	Moderate	High	Low
Kirby	---	---	---	---		---	Low	High	Low
701E:									
Lamedeer	---	---	---	---		---	Moderate	High	Low
Broadus	---	---	---	---		---	Moderate	High	Low
Ringling	---	---	---	---		---	Low	Moderate	Low
702F:									
Lamedeer	---	---	---	---		---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---		---	Moderate	High	Low
Ringling	---	---	---	---		---	Low	Moderate	Low
731E:									
Cambert	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---		---	Moderate	High	Low
Ringling	---	---	---	---		---	Low	Moderate	Low
732C:									
Cambert	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
Widen	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
732D:									
Cambert	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
Widen	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
733E:									
Cambert	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---		---	Moderate	High	Low
Widen	Bedrock (paralithic)	20-40	---	---		---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
734E:									
Cambert	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cherry	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
742E:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
781A:									
Vanda	---	---	---	---	---	---	Low	High	High
797E:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
798C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
799E:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Birney	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
802E:									
Shambo	---	---	---	---	---	---	Moderate	High	Low
Lisk	---	---	---	---	---	---	Moderate	High	Low
Dast	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
811C:									
Creed	---	---	---	---	---	---	Low	High	Moderate
Pinehill	---	---	---	---	---	---	Low	High	Low
813C:									
Creed	---	---	---	---	---	---	Low	High	Moderate
Absher	---	---	---	---	---	---	Low	High	Moderate
831F:									
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
831F: (cont.)									
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Wayden	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
832E:									
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Macar	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
841F:									
Birney	---	---	---	---	---	---	Moderate	High	Low
Armells	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
842F:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
843E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
844A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
Harlake	---	---	---	---	---	---	Low	High	Low
Glendive	---	---	---	---	---	---	Moderate	High	Low
845C:									
Ivanell	Bedrock (paralithic)	25-40	---	---	---	---	Moderate	High	Moderate
Davidell	---	---	---	---	---	---	Moderate	High	Low
846F:									
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
846F: (cont.)									
Rock outcrop	---	---	---	---	---	---	---	---	---
847E:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Yetull	---	---	---	---	---	---	Low	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
862E:									
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Lamedeer	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
862F:									
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Lamedeer	---	---	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
871C:									
Morton	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Moderate	Low
Farland	---	---	---	---	---	---	Moderate	High	Low
891D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Birney	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
892D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
901A:									
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
901C:									
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
Sonnett	---	---	---	---	---	---	Low	Moderate	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
902C:									
Sonnett	---	---	---	---	---	---	Low	Moderate	Low
Slickspots	---	---	---	---	---	---	---	---	---
910B:									
Antwerp	---	---	---	---	---	---	Moderate	High	High
911F:									
Armells	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
912F:									
Armells	---	---	---	---	---	---	Moderate	High	Low
Kirby	---	---	---	---	---	---	Low	High	Low
913D:									
Birney	---	---	---	---	---	---	Moderate	High	Low
Cooers	---	---	---	---	---	---	Moderate	High	Low
Kirby	---	---	---	---	---	---	Low	High	Low
914D:									
Bullock	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
Ralore	Bedrock (paralithic)	10-20	---	---	---	---	Low	---	---
916E:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
917D:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
918E:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
919F:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
921F:									
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
931C:									
Ralph	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Moderate	Low
Brushton	---	---	---	---	---	---	Moderate	High	Low
940E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
941C:									
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
Kobase	---	---	---	---	---	---	Low	High	Low
942A:									
Harlake	---	---	---	---	---	---	Low	High	Low
943F:									
Kirby	---	---	---	---	---	---	Low	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Rock outcrop	---	---	---	---	---	---	---	---	---
944E:									
Kobase	---	---	---	---	---	---	Low	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
945A:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Alona	---	---	---	---	---	---	Moderate	High	High
945C:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Alona	---	---	---	---	---	---	Moderate	High	High
946A:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Antwerp	---	---	---	---	---	---	Moderate	High	High

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
946C:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Antwerp	---	---	---	---	---	---	Moderate	High	High
947E:									
Lonna	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
948B:									
Rominell	---	---	---	---	---	---	Moderate	High	Low
949E:									
Tinsley	---	---	---	---	---	---	Low	High	Low
951C:									
Vanstel	---	---	---	---	---	---	Moderate	High	Low
952D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Birney	---	---	---	---	---	---	Moderate	High	Low
953E:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Birney	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
954C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
954D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
955D:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
956F:									
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Kobase	---	---	---	---	---	---	Low	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
957E:									
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
958D:									
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Kobase	---	---	---	---	---	---	Low	High	Low
959D:									
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
Weingart	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Moderate
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
960A:									
Busby	---	---	---	---	---	---	Moderate	High	Low
961C:									
Busby	---	---	---	---	---	---	Moderate	High	Low
Yetull	---	---	---	---	---	---	Low	High	Low
962F:									
Cambert	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Bigsheep	---	---	---	---	---	---	Moderate	High	Low
Golva	---	---	---	---	---	---	Moderate	High	Low
963E:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Lonna	---	---	---	---	---	---	Moderate	High	Low
964E:									
Cambeth	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
965C:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
966D:									
Chinook	---	---	---	---	---	---	Moderate	High	Low
Twilight	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Blacksheep	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
967E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Yawdim	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Low
968E:									
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
969C:									
Eapa	---	---	---	---	---	---	Moderate	High	Low
Delpoint	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
971E:									
Lisk	---	---	---	---	---	---	Moderate	High	Low
Cohagen	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	Moderate	Low
Dast	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
981C:									
Macar	---	---	---	---	---	---	Moderate	High	Low
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
982D:									
Macar	---	---	---	---	---	---	Moderate	High	Low
Doney	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Low
Cabba	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer: Kind	Restrictive layer: Depth to top	Restrictive layer: Thickness	Restrictive layer: Hardness	Subsidence: Initial	Subsidence: Total	Potential for frost action	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete
		In	In		In	In			
983E:									
Macar	---	---	---	---	---	---	Moderate	High	Low
Lisk	---	---	---	---	---	---	Moderate	High	Low
Cohagen	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	Moderate	Low
990E:									
Lihen	---	---	---	---	---	---	Low	High	Low
Tinsley	---	---	---	---	---	---	Low	High	Low
991F:									
Neldore	Bedrock (paralithic)	10-20	---	---	---	---	Low	High	Moderate
Rock outcrop	---	---	---	---	---	---	---	---	---
Abor	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Low
992C:									
Parshall	---	---	---	---	---	---	Moderate	High	Low
993C:									
Pinehill	---	---	---	---	---	---	Low	High	Low
Weingart	Bedrock (paralithic)	20-40	---	---	---	---	Low	High	Moderate
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
994E:									
Cabbart	Bedrock (paralithic)	10-20	---	---	---	---	Moderate	High	Low
Bullock	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	High	Moderate
995C:									
Yamacall	---	---	---	---	---	---	Moderate	High	Low
Gerdrum	---	---	---	---	---	---	Low	High	Moderate
996A:									
Yetull	---	---	---	---	---	---	Low	High	Low
Busby	---	---	---	---	---	---	Moderate	High	Low
4621A:									
Hanly	---	---	---	---	---	---	Low	Moderate	Low
Glendive	---	---	---	---	---	---	Moderate	High	Low
4861A:									
Glendive	---	---	---	---	---	---	Moderate	High	Low
Havre	---	---	---	---	---	---	Moderate	High	Low
4871A:									
Havre	---	---	---	---	---	---	Moderate	High	Low

Soil Features (Continued)

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
4871A: (cont.)									
Harlake	---	---	---	---	---	---	Low	High	Low
4881A:									
Havre	---	---	---	---	---	---	Moderate	High	Low
DA:									
Denied Access	---	---	---	---	---	---	---	---	---
M-W:									
Miscellaneous Water	---	---	---	---	---	---	---	---	---
W:									
Water	---	---	---	---	---	---	---	---	---

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Glossary

Ablation till. Loose, permeable till deposited during the final downwasting of glacial ice. Lenses of crudely sorted sand and gravel are common.

Aeration, soil. The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil. Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alluvial fan. A body of alluvium, with overflow of water and debris flow deposits, whose surface forms a segment of a cone that radiates downslope from the point where the stream emerges from a narrow valley onto a less sloping surface. Source uplands range in relief and areal extent from mountains to gullied terrains on hill slopes.

Alluvium. Material, such as sand, silt, or clay, deposited on land by streams.

Animal-unit-month (AUM). The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Area reclaim (in tables). An area difficult to reclaim after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Argillite. Weakly metamorphosed mudstone or shale.

Association, soil. A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity). The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low	0 to 3.75
Low	3.75 to 5.0
Moderate	5.0 to 7.5
High	More than 7.5

Avalanche chute. The track or path formed by an avalanche.

Back slope. The geomorphic component that forms the steepest inclined surface and principal element of many hill slopes. Back slopes in profile are commonly steep and linear and descend to a foot slope. In terms of gradational process, back slopes are erosional forms produced mainly by mass wasting and running water.

Badland. Steep or very steep, commonly nonstony, barren land dissected by many intermittent drainage channels. Badland is most common in semiarid and arid regions where streams are entrenched in soft geologic material. Local relief generally ranges from 25 to 500 feet. Runoff potential is very high, and geologic erosion is active.

Basal area. The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Basal till. Compact glacial till deposited beneath the ice.

Base saturation. The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, K), expressed as a percentage of the total cation-exchange capacity.

Bedding planes. Fine strata, less than 5 millimeters thick, in unconsolidated alluvial, eolian, lacustrine, or marine sediment.

Bedrock. The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-floored plain. An extensive nearly level to gently rolling or moderately sloping area that is underlain by hard bedrock and has a slope of 0 to 8 percent.

Bench terrace. A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Blowout. A shallow depression from which all or most of the soil material has been removed by the wind. A blowout has a flat or irregular floor formed by a resistant layer or by an accumulation of pebbles or cobbles. In some blowouts the water table is exposed.

Board foot. A unit of measure of the wood in lumber, logs, or trees. The amount of wood in a board one foot wide, one foot long, and one inch thick before finishing.

Bottom land. The normal flood plain of a stream, subject to flooding.

Boulders. Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks. The steep or very steep broken land at the border of an upland summit that is dissected by ravines.

Breast height. An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management. Use of mechanical, chemical, or biological methods to reduce or eliminate competition from woody vegetation and thus to allow understory grasses and forbs to recover or to make conditions favorable for reseeding. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Cable yarding. A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, a felled tree generally is reeled in while one end is lifted or the entire log is suspended.

Calcareous soil. A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caliche. A more or less cemented deposit of calcium carbonate in soils of warm-temperate, subhumid to arid areas. Caliche occurs as soft, thin layers in the soil or as hard, thick beds just beneath the solum, or it is exposed at the surface by erosion.

California bearing ratio (CBR). The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy. The leafy crown of trees or shrubs. (See Crown.)

Capillary water. Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Cation. An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity. The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Catsteps. Very small, irregular terraces on steep hillsides, especially in pasture, formed by the trampling of cattle or the slippage of saturated soil.

Channeled. Refers to a drainage area in which natural meandering or repeated branching and convergence of a streambed have created deeply incised cuts, either active or abandoned, in alluvial material.

Channery soil. A soil that is, by volume, more than 15 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches along the longest axis. A single piece is called a channer.

Chemical treatment. Control of unwanted vegetation by use of chemicals.

Chiseling. Tillage with an implement having one or more soil-penetrating points that loosen the subsoil and bring clods to the surface. A form of emergency tillage to control soil blowing.

Cirque. A semicircular, concave, bowllike area that has steep faces primarily resulting from erosive activity of a mountain glacier.

Clay. As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clayey soil. Silty clay, sandy clay, or clay.

Clay film. A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Claypan. A slowly permeable soil horizon that contains much more clay than the horizons above it. A claypan is commonly hard when dry and plastic or stiff when wet.

Clearcut. A method of forest harvesting that removes the entire stand of trees in one cutting. Reproduction is achieved artificially or by natural seeding from adjacent stands.

Climax plant community. The plant community on a given site that will be established if present environmental conditions continue to prevail and the site is properly managed.

Closed depression. A low area completely surrounded by higher ground and having no natural outlet.

Coarse textured soil. Sand or loamy sand.

Cobble (or cobblestone). A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material. Material that is 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material is 35 to 60 percent of these rock fragments, and extremely cobbly soil material is more than 60 percent.

Codominant trees. Trees whose crowns form the general level of the forest canopy and that receive full light from above but comparatively little from the sides.

Colluvium. Soil material, rock fragments, or both, moved by creep, slide, or local wash and deposited at the base of steep slopes.

Commercial forest. Forest land capable of producing 20 cubic feet or more per acre per year at the culmination of mean annual increment.

Complex slope. Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil. A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Compressible (in tables). Excessive decrease in volume of soft soil under load.

Concretions. Grains, pellets, or nodules of various sizes, shapes, and colors consisting of concentrated compounds or cemented soil grains. The composition of most concretions is unlike that of the surrounding soil. Calcium carbonate and iron oxide are common compounds in concretions.

Conglomerate. A coarse grained, clastic rock composed of rounded to subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system. Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage. Any tillage and planting system in which a cover of crop residue is maintained on at least 30 percent of the soil surface after planting in order to reduce the hazard of water erosion; in areas where soil blowing is the primary concern, a system that maintains a cover of at least 1,000 pounds of flat residue of small grain or the equivalent during the critical erosion period.

Consistence, soil. The feel of the soil and the ease with which a lump can be crushed by the fingers. Terms commonly used to describe consistence are:

Loose.—Noncoherent when dry or moist; does not hold together in a mass.

Friable.—When moist, crushes easily under gentle pressure between thumb and forefinger and can be pressed together into a lump.

Firm.—When moist, crushes under moderate pressure between thumb and forefinger, but resistance is distinctly noticeable.

Plastic.—Readily deformed by moderate pressure but can be pressed into a lump; will form a "wire" when rolled between thumb and forefinger.

Sticky.—Adheres to other material and tends to stretch somewhat and pull apart rather than to pull free from other material.

Hard.—When dry, moderately resistant to pressure; can be broken with difficulty between thumb and forefinger.

Soft.—When dry, breaks into powder or individual grains under very slight pressure.

Cemented.—Hard; little affected by moistening.

Consolidated sandstone. Sandstone that disperses within a few hours when fragments are placed in water. The fragments are extremely hard or very hard when dry, are not easily crushed, and cannot be textured by the usual field method.

Consolidated shale. Shale that disperses within a few hours when fragments are placed in water. The fragments are extremely hard or very hard when dry and are not easily crushed.

Contour stripcropping (or contour farming). Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section. The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coprogenous earth (sedimentary peat). Fecal material deposited in water by aquatic organisms.

Corrosion. Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop. A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Cropping system. Growing crops according to a planned system of rotation and management practices.

Crop residue management. Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cross-slope farming. Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown. The upper part of a tree or shrub, including the living branches and their foliage.

Culmination of the mean annual increment (CMAI). The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave (in tables). The walls of excavations tend to cave in or slough.

Decreasers. The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deep soil. A soil that is 40 to 60 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Deferred grazing. Postponing grazing or arresting grazing for a prescribed period.

Dense layer (in tables). A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depth to rock (in tables). Bedrock is too near the surface for the specified use.

Dip slope. A slope of the land surface, roughly determined by and approximately conforming with the dip of underlying bedded rock.

Diversion (or diversion terrace). A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming. A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit the use of a full stripcropping pattern.

Dominant trees. Trees whose crowns form the general level of the forest canopy and that receive full light from above and from the sides.

Drainage class (natural). Refers to the frequency and duration of periods of saturation or partial saturation during soil formation, as opposed to altered drainage, which is commonly the result of artificial drainage or irrigation but may be caused by the sudden deepening of channels or the blocking of drainage outlets. Seven classes of natural soil drainage are recognized:

Excessively drained.—These soils have very high and high hydraulic conductivity and a low water-holding capacity. They are not suited to crop production unless irrigated.

Somewhat excessively drained.—These soils have high hydraulic conductivity and a low water-holding capacity. Without irrigation, only a narrow range of crops can be grown and yields are low.

Well drained.—These soils have an intermediate water-holding capacity. They retain optimum amounts of moisture, but they are not wet close enough to the surface or long enough during the growing season to adversely affect yields.

Moderately well drained.—These soils are wet close enough to the surface or long enough that planting or harvesting operations or yields of some field crops are adversely affected unless

a drainage system is installed. Moderately well drained soils commonly have a layer with low hydraulic conductivity, a wet layer relatively high in the profile, additions of water by seepage, or some combination of these.

Somewhat poorly drained.—These soils are wet close enough to the surface or long enough that planting or harvesting operations or crop growth is markedly restricted unless a drainage system is installed. Somewhat poorly drained soils commonly have a layer with low hydraulic conductivity, a wet layer high in the profile, additions of water through seepage, or a combination of these.

Poorly drained.—These soils commonly are so wet at or near the surface during a considerable part of the year that field crops cannot be grown under natural conditions. Poorly drained conditions are caused by a saturated zone, a layer with low hydraulic conductivity, seepage, or a combination of these.

Very poorly drained.—These soils are wet to the surface most of the time. The wetness prevents the growth of important crops (except rice) unless a drainage system is installed.

Drainage, surface. Runoff, or surface flow of water, from an area.

Drainageway. An area of ground at a lower elevation than the surrounding ground and in which water collects and is drained to a closed depression or lake or to a drainageway at a lower elevation. A drainageway may or may not have distinctly incised channels at its upper reaches or throughout its course.

Drumlin. A low, smooth, elongated oval hill, mound, or ridge of compact glacial till. The longer axis is parallel to the path of the glacier and commonly has a blunt nose pointing in the direction from which the ice approached.

Duff. A term used to identify a generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune. A mound, ridge, or hill of loose, windblown granular material (generally sand), either bare or covered with vegetation.

Eluviation. The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Eolian soil material. Earthy parent material accumulated through wind action; commonly refers to sandy material in dunes or to loess in blankets on the surface.

Ephemeral stream. A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Erosion. The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (geologic). Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion (accelerated). Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, for example, fire, that exposes the surface.

Erosion pavement. A layer of gravel or stones that remains on the surface after fine particles are removed by sheet or rill erosion.

Escarpment. A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. The term is more often applied to cliffs resulting from differential erosion.

Esker. A long, narrow, sinuous, steep-sided ridge composed of irregularly stratified sand and gravel that were deposited by a subsurface stream flowing between ice walls or through ice tunnels of a retreating glacier and that were left behind when the ice melted. Eskers range from less than a mile to more than 100 miles in length and from 10 to 100 feet in height.

Even aged. Refers to a stand of trees in which only small differences in age occur between the individuals. A range of 20 years is allowed.

Excess fines (in tables). Excess silt and clay in the soil. The soil does not provide a source of gravel or sand for construction purposes.

Excess lime (in tables). Excess carbonates in the soil that restrict the growth of some plants.

Excess salts (in tables). Excess water-soluble salts in the soil that restrict the growth of most plants.

Excess sodium (in tables). Excess exchangeable sodium in the soil. The resulting poor physical properties restrict the growth of plants.

Excess sulfur (in tables). Excessive amount of sulfur in the soil. The sulfur causes extreme acidity if the soil is drained, and the growth of most plants is restricted.

Extrusive rock. Igneous rock derived from deep-seated molten matter (magma) emplaced on the earth's surface.

Fallow. Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fast intake (in tables). The rapid movement of water into the soil.

Fertility, soil. The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat). The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity. The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity.*

Fine textured soil. Sandy clay, silty clay, or clay.

Firebreak. An area cleared of flammable material to stop or help control creeping or running fires. A firebreak also serves as a line from which to work and to facilitate the movement of fire fighters and equipment. Designated roads also serve as firebreaks.

First bottom. The normal flood plain of a stream, subject to frequent or occasional flooding.

Flaggy soil material. Material that is, by volume, 15 to 35 percent flagstones. Very flaggy soil material is 35 to 60 percent flagstones, and extremely flaggy soil material is more than 60 percent flagstones.

Flagstone. A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain. A nearly level alluvial plain that borders a stream and is subject to inundation under flood-stage conditions unless protected artificially. It is usually a constructional landform built of sediment deposited during overflow and lateral migration of the stream.

Fluvial. Of or pertaining to rivers; produced by river action, as a fluvial plain.

Foothills. A region of relatively low, rounded hills at the base of a mountain range.

Foot slope. The geomorphic component that forms the inner, gently inclined surface at the base of a hill slope. The surface profile is dominantly concave. In terms of gradational processes, a foot slope is a transition zone between an upslope site of erosion (back slope) and a downslope site of deposition (toe slope).

Forb. Any herbaceous plant not a grass or a sedge.

Forest cover. All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type. A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragile (in tables). A soil that is easily damaged by use or disturbance.

Fragipan. A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Frost action (in tables). Freezing and thawing of soil moisture. Frost action can damage roads, buildings and other structures, and plant roots.

Genesis, soil. The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Giant ripple mark. The undulating surface sculpture produced in noncoherent granular materials by currents of water and by the agitation of water in wave action during the draining of large glacial lakes, such as Glacial Lake Missoula.

Glacial drift (geology). Pulverized and other rock material transported by glacial ice and then deposited. Also, the sorted and unsorted material deposited by streams flowing from glaciers.

Glacial outwash (geology). Gravel, sand, and silt, commonly stratified, deposited by glacial meltwater.

Glacial till (geology). Unsorted, nonstratified glacial drift consisting of clay, silt, sand, and boulders transported and deposited by glacial ice.

Glaciated uplands. Land areas that were previously covered by continental or alpine glaciers and that are at a higher elevation than the flood plain.

Glaciofluvial deposits (geology). Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur as kames, eskers, deltas, and outwash plains.

Glaciolacustrine deposits. Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are interbedded or laminated.

Gleyed soil. Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors and mottles.

Grassed waterway. A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel. Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravelly soil material. Material that is 15 to 50 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Green manure crop (agronomy). A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water (geology). Water filling all the unblocked pores of the material below the water table.

Gully. A miniature valley with steep sides cut by running water and through which water ordinarily runs only after rainfall. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage; a rill is of lesser depth and can be smoothed over by ordinary tillage. A gullied map unit is one that has numerous gullies.

Gypsum. A mineral consisting of hydrous calcium sulfate.

Habitat type. An aggregation of all land areas potentially capable of producing similar plant communities at climax.

Hard bedrock. Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hardpan. A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Head out. To form a flower head.

Heavy metal. Inorganic substances that are solid at ordinary temperatures and are not soluble in water. They form oxides and hydroxides that are basic. Examples are copper, iron, cadmium, zinc, manganese, lead, and arsenic.

Hemic soil material (mucky peat). Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops. Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill. A natural elevation of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline; hillsides generally have slopes of more than 8 percent. The distinction between a hill and a mountain is arbitrary and is dependent on local usage.

Horizon, soil. A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. The major horizons of mineral soil are as follows:

O horizon.—An organic layer of fresh and decaying plant residue.

A horizon.—The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

B horizon.—The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

E horizon.—The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

C horizon.—The mineral horizon or layer, excluding indurated bedrock, that is little affected

by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, the number 2 precedes the letter C.

Cr horizon.—Sedimentary beds of consolidated sandstone and semiconsolidated and consolidated shale. Generally, roots can penetrate this horizon only along fracture planes.

R layer.—Hard, consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon but can be directly below an A or a B horizon.

Humus. The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups. Refers to soils grouped according to their runoff-producing characteristics. The chief consideration is the inherent capacity of soil bare of vegetation to permit infiltration. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff. Soils are assigned to four groups. In group A are soils having a high infiltration rate when thoroughly wet and having a low runoff potential. They are mainly deep, well drained, and sandy or gravelly. In group D, at the other extreme, are soils having a very slow infiltration rate and thus a high runoff potential. They have a claypan or clay layer at or near the surface, have a permanent high water table, or are shallow over nearly impervious bedrock or other material. A soil is assigned to two hydrologic groups if part of the acreage is artificially drained and part is undrained.

Igneous rock. Rock formed by solidification from a molten or partially molten state. Major varieties include plutonic and volcanic rock. Examples are andesite, basalt, and granite.

Illuviation. The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil. A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers. Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and are less palatable to livestock.

Infiltration. The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity. The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate. The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate. The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Less than 0.2	Very low
0.2 to 0.4	Low
0.4 to 0.75	Moderately low
0.75 to 1.25	Moderate
1.25 to 1.75	Moderately high
1.75 to 2.5	High
More than 2.5	Very high

Intermittent stream. A stream, or reach of a stream, that flows for prolonged periods only when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders. On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Irrigation. Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin.—Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border.—Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding.—Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation.—Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle).—Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow.—Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler.—Water is sprayed over the soil surface through pipes or nozzles from a pressure system.
Subirrigation.—Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.
Wild flooding.—Water, released at high points, is allowed to flow onto an area without controlled distribution.

Kame. A moundlike hill of glacial drift, composed chiefly of stratified sand and gravel.

Kame terrace. A terracelike ridge consisting of stratified sand and gravel that were deposited by a meltwater stream flowing between a melting glacier and a higher valley wall or lateral moraine and that remained after the disappearance of the ice. It is commonly pitted with kettles and has an irregular ice-contact slope.

Lacustrine deposit (geology). Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lake plain. A surface marking the floor of an extinct lake, filled in by well sorted, stratified sediments.

Landslide. The rapid downhill movement of a mass of soil and loose rock, generally when wet or saturated. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones (in tables). Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Lateral moraine. A ridgelike moraine carried on and deposited at the side margin of a valley glacier. It is composed chiefly of rock fragments derived from the valley walls by glacial abrasion and plucking or by mass wasting.

Leaching. The removal of soluble material from soil or other material by percolating water.

Liquid limit. The moisture content at which the soil passes from a plastic to a liquid state.

Loam. Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loamy soil. Coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt, clay loam, sandy clay loam, or silty clay loam.

Loess. Fine grained material, dominantly of silt-sized particles, deposited by the wind.

Low-residue crops. Crops such as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Low strength. The soil is not strong enough to support loads.

Marl. An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal amounts.

Mean annual increment (MAI). The average annual increase in volume of a tree during the entire life of the tree.

Mechanical treatment. Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil. Very fine sandy loam, loam, silt loam, or silt.

Merchantable trees. Trees that are of sufficient size to be economically processed into wood products.

Metamorphic rock. Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement. Nearly all such rocks are crystalline.

Microhigh. An area that is 2 to 12 inches higher than the adjacent microlow.

Microlow. An area that is 2 to 12 inches lower than the adjacent microhigh.

Mineral soil. Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage. Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area. An area that has little or no natural soil and supports little or no vegetation.

Miscellaneous water. A sewage lagoon, an industrial waste pit, a fish hatchery, or a similar water area.

Moderately coarse textured soil. Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately deep soil. A soil that is 20 to 40 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Moderately fine textured soil. Clay loam, sandy clay loam, or silty clay loam.

Moraine. An accumulation of glacial drift in a topographic landform of its own, resulting chiefly from the direct action of glacial ice. Some types are lateral, recessional, and terminal.

Morphology, soil. The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil. Irregular spots of different colors that vary in number and size. Mottling generally indicates poor aeration and impeded drainage. Descriptive terms are as follows: abundance—

few, common, and *many;* size—*fine, medium,* and *coarse;* and contrast—*faint, distinct,* and *prominent.* The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium,* from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse,* more than 15 millimeters (about 0.6 inch).

Mountain. A natural elevation of the land surface, rising more than 1,000 feet above surrounding lowlands, commonly of limited summit area and generally having steep sides (slopes greater than 25 percent) and considerable bare-rock surface. A mountain can occur as a single, isolated mass or in a group forming a chain or range. Mountains are primarily formed by deep-seated earth movements or volcanic action and secondarily by differential erosion.

Muck. Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mudstone. Sedimentary rock formed by induration of silt and clay in approximately equal amounts.

Munsell notation. A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Neutral soil. A soil having a pH value between 6.6 and 7.3. (See Reaction, soil.)

Nutrient, plant. Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Observed rooting depth. Depth to which roots have been observed to penetrate.

Organic matter. Plant and animal residue in the soil in various stages of decomposition.

Outwash plain. An extensive area of glaciofluvial material that was deposited by meltwater streams.

Overstory. The trees in a forest that form the upper crown cover.

Oxbow. The horseshoe-shaped channel of a former meander, remaining after the stream formed a cutoff across a narrow meander neck.

Pan. A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan.*

Parent material. The unconsolidated organic and mineral material in which soil forms.

Peat. Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped. An individual natural soil aggregate, such as a granule, a prism, or a block.

Pedon. The smallest volume that can be called "a soil." A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation. The downward movement of water through the soil.

Percs slowly (in tables). The slow movement of water through the soil, adversely affecting the specified use.

Permeability. The quality of the soil that enables water to move downward through the profile. Permeability is measured as the number of inches per hour that water moves downward through the saturated soil. Terms describing permeability are:

Very slow	Less than 0.06 inch
Slow	0.06 to 0.2 inch
Moderately slow	0.2 to 0.6 inch
Moderate	0.6 inch to 2.0 inches
Moderately rapid	2.0 to 6.0 inches
Rapid	6.0 to 20 inches
Very rapid	More than 20 inches

Phase, soil. A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and thickness.

pH value. A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Piping (in tables). Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Plasticity index. The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plastic limit. The moisture content at which a soil changes from semisolid to plastic.

Playa. The generally dry and nearly level lake plain that occupies the lowest parts of closed depressional areas, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff.

Plowpan. A compacted layer formed in the soil directly below the plowed layer.

Ponding. Standing water on soils in closed depressions. The water can be removed only by percolation or evapotranspiration.

Poor filter (in tables). Because of rapid permeability or an impermeable layer near the surface, the soil may not adequately filter effluent from a waste disposal system.

Poorly graded. Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Poor outlets (in tables). Refers to areas where surface or subsurface drainage outlets are difficult or expensive to install.

Potential native plant community. See Climax plant community.

Potential rooting depth (effective rooting depth). Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning. The application of fire to land under such conditions of weather, soil moisture, and time of day as presumably will result in the intensity of heat and spread required to accomplish specific forest management, wildlife, grazing, or fire hazard reduction purposes.

Productivity, soil. The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil. A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use. Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and promotes the accumulation of litter and mulch necessary to conserve soil and water.

Quartzite, metamorphic. Rock consisting mainly of quartz that formed through recrystallization of quartz-rich sandstone or chert.

Quartzite, sedimentary. Very hard but unmetamorphosed sandstone consisting chiefly of quartz grains.

Range condition. The present composition of the plant community on a range site in relation to the potential natural plant community for that site. Range condition is expressed as excellent, good, fair, or poor on the basis of how much the present plant community has departed from the potential.

Rangeland. Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Range site. An area of rangeland where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. A range site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other range sites in kind or proportion of species or total production.

Reaction, soil. A measure of acidity or alkalinity of a soil, expressed in pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Extremely acid	Below 4.5
Very strongly acid	4.5 to 5.0
Strongly acid	5.1 to 5.5
Medium acid	5.6 to 6.0
Slightly acid	6.1 to 6.5
Neutral	6.6 to 7.3
Mildly alkaline	7.4 to 7.8
Moderately alkaline	7.9 to 8.4
Strongly alkaline	8.5 to 9.0
Very strongly alkaline	9.1 and higher

Recessional moraine. A moraine formed during a temporary but significant halt in the retreat of a glacier.

Red beds. Sedimentary strata mainly red in color and composed largely of sandstone and shale.

Regeneration. The new growth of a natural plant community, developing from seed.

Regolith. The unconsolidated mantle of weathered rock and soil material on the earth's surface; the loose earth material above the solid rock.

Relict stream terrace. One of a series of platforms in or adjacent to a stream valley that formed prior to the current stream system.

Relief. The elevations or inequalities of a land surface, considered collectively.

Residuum (residual soil material). Unconsolidated, weathered or partly weathered mineral material that accumulated as consolidated rock disintegrated in place.

Rill. A steep-sided channel resulting from accelerated erosion. A rill is generally a few inches deep and not wide enough to be an obstacle to farm machinery.

Riser. The relatively short, steeply sloping area below a terrace tread that grades to a lower terrace tread or base level.

Riverwash. Unstable areas of sandy, silty, clayey, or gravelly sediments. These areas are flooded, washed, and reworked by rivers so frequently that they support little or no vegetation.

Road cut. A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments. Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop. Exposures of bare bedrock other than lava flows and rock-lined pits.

Rooting depth (in tables). Shallow root zone. The soil is shallow over a layer that greatly restricts roots.

Root zone. The part of the soil that can be penetrated by plant roots.

Rubble land. Areas that have more than 90 percent of the surface covered by stones or boulders. Voids contain no soil material and virtually no vegetation other than lichens. The areas commonly are at the base of mountain slopes, but some are on mountain slopes as deposits of cobbles, stones, and boulders left by Pleistocene glaciation or by periglacial phenomena.

Runoff. The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil. A soil containing soluble salts in an amount that impairs the growth of plants. A saline soil does not contain excess exchangeable sodium.

Salinity. The electrical conductivity of a saline soil. It is expressed, in millimhos per centimeter, as follows:

Nonsaline	0 to 4
Slightly saline	4 to 8
Moderately saline	8 to 16
Strongly saline	More than 16

Salty water (in tables). Water that is too salty for consumption by livestock.

Sand. As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone. Sedimentary rock containing dominantly sand-sized particles.

Sandy soil. Sand or loamy sand.

Sapric soil material (muck). The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Sawlogs. Logs of suitable size and quality for the production of lumber.

Scarification. The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Scribner's log rule. A method of estimating the number of board feet that can be cut from a log of a given diameter and length.

Sedimentary plain. An extensive nearly level to gently rolling or moderately sloping area that is underlain by sedimentary bedrock and that has a slope of 0 to 8 percent.

Sedimentary rock. Rock made up of particles deposited from suspension in water. The chief kinds of sedimentary rock are conglomerate, formed from gravel; sandstone, formed from sand; shale, formed from clay; and limestone, formed from soft masses of calcium carbonate. There are many intermediate types. Some wind-deposited sand is consolidated into sandstone.

Sedimentary uplands. Land areas of bedrock formed from water- or wind-deposited sediments. They are higher on the landscape than the flood plain.

Seepage (in tables). The movement of water through the soil. Seepage adversely affects the specified use.

Semiconsolidated sedimentary beds. Soft geologic sediments that disperse when fragments are placed in water. The fragments are hard or very hard when dry. Determining the texture by the usual field method is difficult.

Sequum. A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil. A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer or of the underlying material. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Shale. Sedimentary rock formed by the hardening of a clay deposit.

Shallow soil. A soil that is 10 to 20 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Sheet erosion. The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Shelterwood system. A forest management system requiring the removal of a stand in a series of cuts so that regeneration occurs under a partial canopy. After regeneration, a final cut removes the shelterwood and allows the stand to develop in the open as an even-aged stand. The system is well suited to sites where shelter is needed for regeneration, and it can aid regeneration of the more intolerant tree species in a stand.

Shoulder slope. The uppermost inclined surface at the top of a hillside. It is the transition zone from the back slope to the summit of a hill or mountain. The surface is dominantly convex in profile and erosional in origin.

Shrink-swell (in tables). The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Silica. A combination of silicon and oxygen. The mineral form is called quartz.

Silt. As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone. Sedimentary rock made up of dominantly silt-sized particles.

Similar soils. Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole. A depression in the landscape where limestone has been dissolved.

Site class. A grouping of site indexes into five to seven production capability levels. Each level can be represented by a site curve.

Site curve (50-year). A set of related curves on a graph that shows the average height of dominant or dominant and codominant trees for the range of ages on soils that differ in productivity. Each level is represented by a curve. The basis of the curves is the height of dominant or dominant and codominant trees that are 50 years old or are 50 years old at breast height.

Site curve (100-year). A set of related curves on a graph that shows the average height of dominant or dominant and codominant trees for a range of ages on soils that differ in productivity. Each level is represented by a curve. The basis of the curves is the height of dominant or dominant and codominant trees that are 100 years old or are 100 years old at breast height.

Site index. A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant or dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Skid trails. Pathways along which logs are dragged to a common site for loading onto a logging truck.

Slash. The branches, bark, treetops, reject logs, and broken or uprooted trees left on the ground after logging.

Slickens. Accumulations of fine-textured material, such as material separated in placer-mine and ore-mill operations. Slickens from ore mills commonly consist of freshly ground rock that has undergone chemical treatment during the milling process.

Slickensides. Polished and grooved surfaces produced by one mass sliding past another. In soils, slickensides may occur at the bases of slip surfaces on the steeper slopes; on faces of blocks, prisms, and columns; and in swelling clayey soils, where there is marked change in moisture content.

Slick spot. A small area of soil having a puddled, crusted, or smooth surface and an excess of exchangeable sodium. The soil generally is loamy or clayey, is slippery when wet, and is low in productivity.

Slippage (in tables). Soil mass susceptible to movement downslope when loaded, excavated, or wet.

Slope. The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance. In this survey the following slope classes are recognized:

Nearly level	0 to 2 percent
Gently sloping	2 to 4 percent
Moderately sloping	4 to 8 percent
Strongly sloping	8 to 15 percent
Moderately steep	15 to 25 percent
Steep	25 to 45 percent
Very steep	More than 45 percent

Slope (in tables). Slope is great enough that special practices are required to ensure satisfactory performance of the soil for a specific use.

Slow intake (in tables). The slow movement of water into the soil.

Slow refill (in tables). The slow filling of ponds, resulting from restricted permeability in the soil.

Small stones (in tables). Rock fragments less than 3 inches (7.6 centimeters) in diameter. Small stones adversely affect the specified use of the soil.

Sodic (alkali) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodicity. The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^{+} to Ca^{++} + Mg^{++}. The degrees of sodicity and their respective ratios are:

Slight	Less than 13:1
Moderate	13-30:1
Strong	More than 30:1

Soft bedrock. Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil. A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief over periods of time.

Soil separates. Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand	2.0 to 1.0
Coarse sand	1.0 to 0.5
Medium sand	0.5 to 0.25
Fine sand	0.25 to 0.10
Very fine sand	0.10 to 0.05
Silt	0.05 to 0.002
Clay	Less than 0.002

Solum. The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the underlying material. The living roots and plant and animal activities are largely confined to the solum.

Species. A single, distinct kind of plant or animal having certain distinguishing characteristics.

Stone line. A concentration of coarse fragments in a soil. Generally, it is indicative of an old weathered surface. In a cross section, the line may be one fragment or more thick. It generally overlies material that weathered in place and is overlain by recent sediment of variable thickness.

Stones. Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony. Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Strath terrace. A surface cut formed by the erosion of hard or semiconsolidated bedrock and thinly mantled with stream deposits.

Stream channel. The hollow bed where a natural stream of surface water flows or may flow; the deepest or central part of the bed, formed by the main current and covered more or less continuously by water.

Stream terrace. One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel. It originally formed near the level of the stream and is the dissected remnants of an abandoned flood plain, streambed, or valley floor that were produced during a former stage of erosion or deposition.

Stripcropping. Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to soil blowing and water erosion.

Structure, soil. The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are: *platy* (laminated), *prismatic (vertical axis of aggregates longer than horizontal),* columnar (prisms with rounded tops), *blocky* (angular or subangular), and *granular. Structureless* soils are either *single grain* (each grain by itself, as in dune sand) or *massive* (the particles adhering without any regular cleavage, as in many hardpans).

Stubble mulch. Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil. Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling. Tilling a soil below normal plow depth, ordinarily to shatter or loosen a layer that is restrictive to roots.

Substratum. The part of the soil below the solum.

Subsurface layer. Technically, the E horizon. Generally refers to a leached horizon lighter in color and lower in content of organic matter than the overlying surface layer.

Summer fallow. The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit. A general term for the top, or highest level, of an upland feature, such as a hill or mountain. It commonly refers to a higher area that has a gentle slope and is flanked by steeper slopes.

Surface layer. The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the "plow layer," or the "Ap horizon."

Tailwater. The water directly downstream of a structure.

Talus. Rock fragments of any size or shape, commonly coarse and angular, derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose, broken rock formed chiefly by falling, rolling, or sliding.

Taxadjuncts. Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior.

Terminal moraine. A belt of thick glacial drift that generally marks the termination of important glacial advances. It commonly is a massive arcuate ridge or complex of ridges underlain by till and other types of drift.

Terrace. An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field is generally built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geologic). An old alluvial plain, ordinarily flat or undulating, bordering a river, a lake, or the sea.

Texture, soil. The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying "coarse," "fine," or "very fine."

Thin layer (in tables). A layer of otherwise suitable soil material that is too thin for the specified use.

Till plain. An extensive nearly level to gently rolling or moderately sloping area that is underlain by or consists of till and that has a slope of 0 to 8 percent.

Tilth, soil. The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toe slope. The outermost inclined surface at the base of a hill. Toe slopes are commonly gentle and linear in profile.

Too arid (in tables). The soil is dry most of the time, and vegetation is difficult to establish.

Topsoil. The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Toxicity (in tables). Excessive amount of toxic substances, such as sodium or sulfur, that severely hinder establishment of vegetation or severely restrict plant growth.

Trace elements. Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, are in soils in extremely small amounts. They are essential to plant growth.

Trafficability. The degree to which a soil is capable of supporting vehicular traffic across a wide range in soil moisture conditions.

Tread. The relatively flat terrace surface that was cut or built by stream or wave action.

Tuff. A compacted deposit that is 50 percent or more volcanic ash and dust.

Understory. Any plants in a forest community that grow to a height of less than 5 feet.

Unstable fill (in tables). Risk of caving or sloughing on banks of fill material.

Upland (geology). Land at a higher elevation, in general, than the alluvial plain or stream terrace; land above the lowlands along streams.

Valley. An elongated depressional area primarily developed by stream action.

Valley fill. In glaciated regions, material deposited in stream valleys by glacial meltwater. In nonglaciated regions, alluvium deposited by heavily loaded streams.

Variegation. Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve. A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Very deep soil. A soil that is more than 60 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Very shallow soil. A soil that is less than 10 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Water bars. Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Waterspreading. Diverting runoff from natural channels by means of a system of dams, dikes, or ditches and spreading it over relatively flat surfaces.

Weathering. All physical and chemical changes produced in rocks or other deposits at or near the earth's surface by atmospheric agents. These changes result in disintegration and decomposition of the material.

Well graded. Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wilting point (or permanent wilting point). The moisture content of soil, on an ovendry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow. The action of uprooting and tipping over trees by the wind.

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