Tables

TABLE 1.--TEMPERATURE AND PRECIPITATION

[The data for Nixon, Nevada, were recorded in the period 1952-74; and the data for Reno and Virginia City were recorded in the period 1951-75]

Month	Temperature						Precipitation				
	Average daily maximum (°F)	Average daily minimum (°F)	Average daily (°F)	2 years in 10 will have-- Maximum temperature higher than-- (°F)	2 years in 10 will have-- Minimum temperature lower than-- (°F)	Average number of growing degree days[1] (Units)	Average (In)	2 years in 10 will have-- Less than-- (In)	2 years in 10 will have-- More than-- (In)	Average number of days with 0.1 inch or more	Average snowfall (In)
					Nixon, Nevada						
January----	45.6	21.6	33.7	67	-1	50	.78	.29	1.17	2	0.6
February---	51.1	25.8	38.5	70	8	100	.52	.14	.81	2	0.3
March------	56.7	28.8	42.8	78	11	168	.66	.13	1.07	3	1.4
April------	62.9	32.2	47.6	84	17	250	.59	.19	.89	2	0.8
May--------	74.7	41.1	57.9	94	24	555	.96	.00	1.65	2	0.0
June-------	83.0	48.5	65.8	102	31	774	.84	.12	1.40	2	0.0
July-------	92.4	54.1	73.3	104	39	1,032	.23	.00	.40	1	0.0
August-----	90.8	51.4	71.2	103	37	967	.38	.00	.67	2	0.0
September--	82.5	42.7	62.6	96	27	678	.29	.00	.50	1	0.0
October----	70.0	34.0	52.0	88	16	380	.29	.00	.51	1	0.0
November---	54.6	24.9	40.7	76	10	117	.70	.23	1.07	2	0.0
December---	44.3	21.6	33.2	63	-1	40	.91	.41	1.30	2	1.0
Year-------	67.4	35.6	51.6	105	-9	5,111	7.15	5.85	9.08	22	4.1
					Reno, Nevada						
January---	44.8	19.1	32.0	66	-6	44	1.25	.56	1.82	4	7.0
February--	51.0	23.3	37.2	71	2	71	.92	.15	1.50	3	5.1
March-----	55.9	25.2	40.8	76	9	101	.75	.16	1.21	3	5.7
April-----	63.2	29.1	46.2	84	16	213	.50	.07	.82	2	2.0
May-------	72.5	36.9	54.7	92	22	456	.78	.09	1.29	2	1.4
June------	81.7	42.8	62.3	100	30	669	.36	.01	.62	1	0.0
July------	91.3	47.5	69.4	101	35	911	.27	.03	.45	1	0.0
August----	58.9	45.0	67.0	101	31	837	.27	.00	.46	1	0.0
September-	81.5	38.4	60.0	95	24	600	.27	.01	.46	1	0.0
October---	69.6	30.0	49.8	88	15	308	.36	.00	.62	1	0.4
November--	55.4	23.8	39.6	75	8	73	.64	.13	1.03	2	1.7
December--	45.9	19.0	32.4	64	-4	26	1.22	.23	1.97	3	5.4
Year------	66.8	31.7	49.3	102	-8	4,309	7.59	5.74	9.30	24	28.7

See footnote at end of table.

TABLE 1.--TEMPERATURE AND PRECIPITATION--Continued

Month	Temperature						Precipitation				
	Average daily maximum (°F)	Average daily minimum (°F)	Average daily (°F)	2 years in 10 will have-- Maximum temperature higher than-- (°F)	2 years in 10 will have-- Minimum temperature lower than-- (°F)	Average number of growing degree days[1] (Units)	Average (In)	2 years in 10 will have-- Less than-- (In)	2 years in 10 will have-- More than-- (In)	Average number of days with 0.1 inch or more	Average snowfall (In)
	Virginia City, Nevada										
January---	41.4	24.3	33.0	60	4	39	1.91	.53	3.01	5	9.7
February--	44.3	25.9	35.1	61	8	48	1.36	.27	2.20	4	10.9
March-----	48.7	29.0	38.9	65	11	103	1.17	.15	1.94	3	6.8
April-----	54.6	33.4	44.0	74	17	198	.56	.16	.87	2	2.1
May-------	64.8	41.7	53.1	65	21	419	.90	.04	1.52	2	0.9
June------	74.3	50.3	62.5	94	32	675	.72	.05	1.22	2	0.0
July------	83.4	58.2	70.8	94	43	955	.29	.00	.51	1	0.0
August----	81.5	56.1	68.8	94	36	893	.42	.00	.75	1	0.0
September-	74.2	49.6	61.8	89	29	654	.36	.00	.63	1	0.0
October---	61.2	39.6	50.4	79	20	398	.70	.00	1.20	2	1.2
November--	49.5	31.3	40.4	69	14	91	1.01	.20	1.63	3	5.2
December--	42.1	25.5	33.8	60	4	53	1.99	.56	3.14	5	12.8
Year------	60.0	38.7	49.4	96	0	4,466	11.39	6.99	15.21	31	49.6

[1]A growing degree day is an index of the amount of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (50° F).

TABLE 2.--FREEZE DATES IN SPRING AND FALL

[The data for Nixon, Nevada, were recorded in the period 1952-74; and the data for Reno and Virginia City were recorded in the period 1951-75]

Probability	Temperature		
	24°F or lower	28°F or lower	32°F or lower
	Nixon, Nevada		
Last freezing temperature in spring:			
1 year in 10 later than--	May 3	May 22	June 8
2 years in 10 later than--	April 28	May 14	June 1
5 years in 10 later than--	April 19	April 28	May 16
First freezing temperature in fall:			
1 year in 10 earlier than--	October 2	September 12	September 10
2 years in 10 earlier than--	October 8	September 19	September 17
5 years in 10 earlier than--	October 19	October 3	September 30
	Reno, Nevada		
Last freezing temperature in spring:			
1 year in 10 later than--	May 13	May 27	June 19
2 years in 10 later than--	May 9	May 21	June 13
5 years in 10 later than--	April 30	May 11	May 31
First freezing temperature in fall:			
1 year in 10 earlier than--	September 18	September 13	August 22
2 years in 10 earlier than--	September 25	September 19	August 30
5 years in 10 earlier than--	October 9	September 29	September 13

TABLE 2.--FREEZE DATES IN SPRING AND FALL--Continued

Probability	Temperature		
	24°F or lower	28°F or lower	32°F or lower
	Virginia City, Nevada		
Last freezing temperature in spring:			
1 year in 10 later than--	May 20	June 2	June 16
2 years in 10 later than--	May 11	May 25	June 9
5 years in 10 later than--	April 24	May 11	May 25
First freezing temperature in fall:			
1 year in 10 earlier than--	September 20	September 9	August 22
2 years in 10 earlier than--	October 6	September 25	September 7
5 years in 10 earlier than--	November 4	October 25	October 9

TABLE 3.--GROWING SEASON

[The data for Nixon, Nevada, were recorded in the period 1952-74; and the data for Reno and Virginia City were recorded in the period 1951-75]

Probability	Length of growing season if daily minumum temperature is--		
	Higher than 24°F	Higher than 28°F	Higher than 32°F
	Days	Days	Days
	Nixon, Nevada		
9 years in 10	157	125	112
8 years in 10	166	135	119
5 years in 10	183	155	134
2 years in 10	>365	>365	153
1 year in 10	>365	>365	>365
	Reno, Nevada		
9 years in 10	135	120	70
8 years in 10	144	127	82
5 years in 10	161	140	104
2 years in 10	178	154	127
1 year in 10	187	161	139
	Virginia City, Nevada		
9 years in 10	148	128	101
8 years in 10	161	139	110
5 years in 10	187	160	128
2 years in 10	215	183	147
1 year in 10	234	198	160

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS

Map symbol	Soil name	Acres	Percent
101	Aquinas sandy loam, 4 to 8 percent slopes	2,815	0.3
102	Aquinas sandy loam, 8 to 15 percent slopes	1,860	0.2
106	Aquinas sandy loam, 8 to 15 percent slopes, eroded	3,785	0.4
110	Jowec Variant sandy loam, 4 to 8 percent slopes	620	0.1
111	Jowec Variant-Greenbrae sandy loams, 4 to 15 percent slopes	1,045	0.1
120	Doten silty clay, 0 to 2 percent slopes	2,095	0.2
121	Doten silty clay, 8 to 15 percent slopes	515	0.1
130	Greenbrae sandy loam, clayey substratum, 0 to 2 percent slopes	800	0.1
131	Greenbrae sandy loam, 0 to 2 percent slopes	1,455	0.1
132	Greenbrae sandy loam, 2 to 4 percent slopes	2,955	0.3
134	Greenbrae sandy loam, clayey substratum, 4 to 8 percent slopes	325	*
136	Greenbrae sandy loam, 4 to 8 percent slopes	1,935	0.2
140	Haybourne loamy sand, 2 to 4 percent slopes	6,085	0.6
141	Haybourne loamy sand, 4 to 8 percent slopes	13,869	1.4
142	Haybourne loamy sand, 8 to 15 percent slopes	1,674	0.2
150	Doten Variant silty clay, slightly saline	460	*
151	Doten Variant silty clay, strongly saline	315	*
160	Incy sand, 4 to 8 percent slopes	2,620	0.3
161	Incy fine sand, hilly	1,996	0.2
171	Indian Creek gravelly sandy loam, 0 to 4 percent slopes	1,690	0.2
172	Indian Creek sandy loam, 4 to 8 percent slopes	1,765	0.2
173	Indian Creek sandy loam, 8 to 15 percent slopes	1,005	0.1
174	Indian Creek extremely stony sandy loam, 2 to 8 percent slopes	6,683	0.7
175	Indian Creek very cobbly loam, 4 to 8 percent slopes	3,145	0.3
176	Indian Creek-Reno-Washoe association	6,302	0.6
190	Manogue cobbly clay, 2 to 8 percent slopes	1,894	0.2
191	Manogue cobbly clay, 8 to 15 percent slopes	1,200	0.1
192	Manogue cobbly clay, 15 to 30 percent slopes	325	*
200	Northmore sandy loam, 0 to 2 percent slopes	230	*
201	Northmore sandy loam, 2 to 4 percent slopes	750	0.1
202	Northmore sandy loam, 4 to 8 percent slopes	875	0.1
203	Northmore sandy loam, 8 to 15 percent slopes	785	0.1
210	Luppino gravelly sandy loam, 4 to 8 percent slopes	3,330	0.3
211	Luppino gravelly sandy loam, 8 to 15 percent slopes	3,050	0.3
221	Oppio cobbly sandy loam, 8 to 15 percent slopes	870	0.1
222	Oppio cobbly sandy loam, 15 to 30 percent slopes	1,425	0.1
223	Oppio-Rezave-Rock outcrop association	643	0.1
230	Cradlebaugh loam	1,045	0.1
240	Updike loam	3,215	0.3
241	Updike loam, gravelly substratum	480	*
250	Cassiro gravelly sandy loam, 2 to 4 percent slopes	880	0.1
251	Cassiro gravelly sandy loam, 4 to 8 percent slopes	2,695	0.3
252	Cassiro gravelly sandy loam, 8 to 15 percent slopes	1,420	0.1
260	Acrelane-Rock outcrop complex, 15 to 50 percent slopes	28,515	2.8
262	Acrelane very stony sandy loam, 8 to 15 percent slopes	5,230	0.5
280	Wedekind gravelly loam, 8 to 15 percent slopes	1,145	0.1
281	Wedekind gravelly loam, 15 to 30 percent slopes	1,315	0.1
282	Wedekind gravelly sandy loam, 30 to 50 percent slopes	855	0.1
290	Verdico Variant stony sandy loam, 8 to 15 percent slopes	600	0.1
291	Verdico Variant very stony sandy loam, 15 to 30 percent slopes	560	0.1
300	Surgem stony sandy loam, 8 to 15 percent slopes	940	0.1
301	Surgem-Rock outcrop complex, 15 to 30 percent slopes	750	0.1
302	Surgem-Rock outcrop complex, 30 to 50 percent slopes	605	0.1
310	Risley-Rock outcrop complex, 8 to 15 percent slopes	1,290	0.1
311	Risley-Rock outcrop complex, 15 to 30 percent slopes	4,440	0.5
312	Risley cobbly loam, 15 to 30 percent slopes	1,540	0.2
313	Risley cobbly clay loam, 8 to 15 percent slopes	355	*
314	Risley-Xman-Rock outcrop association	3,440	0.3
341	Yuko stony loam, 15 to 30 percent slopes	1,110	0.1
342	Yuko-Reywat-Rock outcrop association	6,023	0.6
350	Mizel very gravelly coarse sandy loam, 15 to 50 percent slopes	1,895	0.2
351	Mizel-Skedaddle-Rock outcrop association	4,255	0.4
360	Pits	1,440	0.1
370	Lemm very gravelly coarse sandy loam, 4 to 8 percent slopes	2,090	0.2
390	Duckhill stony loam, 30 to 50 percent slopes	1,120	0.1
391	Duckhill-Hirschdale-Fraval association	6,035	0.6
400	Jubilee Variant loamy sand, strongly saline	560	0.1
401	Jubilee Variant loamy sand, slightly saline	275	*
403	Jubilee Variant loam, slightly saline	415	*
410	Ophir loamy sand, 2 to 8 percent slopes	420	*

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
411	Ophir loamy sand, 0 to 2 percent slopes	425	*
420	Godecke loamy sand	3,155	0.3
423	Godecke Variant loamy sand	270	*
430	Sagouspe Variant loamy very fine sand	947	0.1
431	Sagouspe Variant loamy very fine sand, wet	763	0.1
440	Jubilee sandy loam	600	0.1
441	Jubilee clay loam	230	*
442	Jubilee gravelly sand	280	*
443	Jubilee loamy sand	270	*
445	Jubilee sandy loam, drained	320	*
450	Voltaire loam	435	*
451	Voltaire loam, slightly saline	1,235	0.1
452	Voltaire loam, strongly saline	710	0.1
454	Voltaire silty clay, drained	780	0.1
455	Voltaire-Truckee complex, drained	930	0.1
456	Voltaire clay loam, gravelly substratum	805	0.1
460	Surprise loamy sand, 2 to 4 percent slopes	1,705	0.2
461	Surprise coarse sandy loam, 4 to 8 percent slopes	545	0.1
470	Dalzell loamy fine sand	1,690	0.2
480	Holbrook gravelly loamy sand, 2 to 8 percent slopes	870	0.1
482	Holbrook cobbly loamy sand, 2 to 8 percent slopes	2,715	0.3
490	Graufels bouldery sand, 8 to 15 percent slopes	2,035	0.2
491	Graufels-Rock outcrop complex, 15 to 30 percent slopes	3,010	0.3
492	Graufels bouldery sand, 15 to 30 percent slopes	1,155	0.1
493	Graufels-Glenbrook complex, 8 to 50 percent slopes	12,670	1.3
494	Graufels gravelly loamy coarse sand, 4 to 8 percent slopes	835	0.1
495	Graufels-Glenbrook-Rock outcrop complex, 4 to 15 percent slopes	3,845	0.4
496	Graufels-Glenbrook-Haypress association	12,453	1.2
500	Mottsville sand, 0 to 4 percent slopes	4,970	0.5
504	Mottsville sand, 8 to 15 percent slopes	2,685	0.3
505	Mottsville gravelly coarse sand, 4 to 8 percent slopes	4,930	0.5
510	Settlemeyer fine sandy loam, 0 to 2 percent slopes	680	0.1
513	Settlemeyer-Notus complex	1,055	0.1
514	Settlemeyer gravelly loam, 2 to 4 percent slopes	813	0.1
520	Dressler loamy sand, 2 to 4 percent slopes	2,385	0.2
530	Sagouspe sand	875	0.1
531	Sagouspe fine sandy loam	540	0.1
532	Sagouspe gravelly sand, gravelly substratum	900	0.1
550	Leviathan stony sandy loam, 0 to 2 percent slopes	285	*
551	Leviathan stony sandy loam, 2 to 8 percent slopes	1,020	0.1
553	Leviathan stony sandy loam, 15 to 30 percent slopes	450	*
554	Leviathan very stony sandy loam, 2 to 8 percent slopes	1,660	0.2
557	Leviathan very stony sandy loam, 30 to 50 percent slopes	505	0.1
559	Leviathan extremely stony sandy loam, 2 to 8 percent slopes	1,980	0.2
570	Turria loam	1,255	0.1
585	Barnard-Trosi association	5,520	0.6
590	Springmeyer stony loam, 0 to 2 percent slopes	730	0.1
591	Springmeyer stony loam, 2 to 4 percent slopes	890	0.1
595	Springmeyer sandy clay loam, 0 to 2 percent slopes	615	0.1
600	Idlewild clay loam, drained	1,450	0.1
601	Idlewild sandy loam, drained	470	*
602	Idlewild gravelly sandy loam	305	*
612	Verdico very stony sandy loam, 4 to 8 percent slopes	1,035	0.1
613	Verdico extremely stony sandy loam, 8 to 15 percent slopes	1,070	0.1
614	Verdico extremely stony sandy loam, 15 to 30 percent slopes	995	0.1
615	Verdico sandy loam, 4 to 8 percent slopes	545	0.1
620	Orr stony sandy loam, 2 to 4 percent slopes	1,445	0.1
621	Orr stony sandy loam, 4 to 8 percent slopes	2,035	0.2
622	Orr stony sandy loam, gravelly substratum, 2 to 4 percent slopes	765	0.1
623	Orr sandy loam, 0 to 2 percent slopes	1,155	0.1
624	Orr gravelly sandy loam, 0 to 2 percent slopes	760	0.1
630	Fleischmann gravelly clay loam, 2 to 4 percent slopes	1,450	0.1
631	Fleischmann gravelly clay loam, 4 to 8 percent slopes	1,035	0.1
632	Fleischmann loam, 8 to 15 percent slopes	230	*
640	Notus stony loamy fine sand	675	0.1
650	Chalco very stony clay loam, 15 to 30 percent slopes	1,405	0.1
651	Chalco very stony clay loam, 30 to 50 percent slopes	590	0.1
652	Chalco stony loam, 4 to 8 percent slopes	1,595	0.2
653	Chalco cobbly sandy loam, 8 to 15 percent slopes	1,405	0.1
654	Chalco-Celeton Variant complex, 2 to 8 percent slopes	3,123	0.3

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
660	Oest very bouldery sandy loam, 2 to 8 percent slopes	1,295	0.1
661	Oest bouldery sandy loam, 2 to 8 percent slopes	2,665	0.3
662	Oest extremely stony sandy loam, 2 to 8 percent slopes	2,565	0.3
663	Oest very gravelly loam, 15 to 30 percent slopes	350	*
664	Oest very gravelly loam, 8 to 15 percent slopes	1,000	0.1
668	Oest very bouldery sandy loam, 30 to 50 percent slopes	780	0.1
669	Oest gravelly sandy loam, 0 to 2 percent slopes	685	0.1
670	Galeppi sandy loam, 4 to 8 percent slopes	1,785	0.2
671	Galeppi sandy loam, 8 to 15 percent slopes	3,615	0.4
673	Galeppi sandy loam, 15 to 30 percent slopes	2,440	0.2
674	Galeppi stony sandy loam, 8 to 15 percent slopes	1,260	0.1
676	Galeppi-Barnard association	520	0.1
681	Reno very stony fine sandy loam, 8 to 15 percent slopes	1,685	0.2
683	Reno stony sandy loam, 2 to 8 percent slopes	7,233	0.7
730	Stodick very stony loam, 15 to 30 percent slopes	3,155	0.3
731	Stodick stony loam, 30 to 50 percent slopes	1,620	0.2
740	Blackwell sandy loam	240	*
752	Toiyabe-Corbett-Rock outcrop association, moderately steep	1,310	0.1
753	Toiyabe-Corbett-Rock outcrop association, steep	5,095	0.5
754	Toiyabe-Rock outcrop complex, 50 to 70 percent slopes	755	0.1
756	Toiyabe-Corbett-Haypress association	2,970	0.3
772	Booford very stony sandy loam, 8 to 15 percent slopes	600	0.1
775	Booford very stony loam, 30 to 50 percent slopes	2,960	0.3
780	Bieber stony sandy loam, 0 to 4 percent slopes	1,080	0.1
782	Bieber stony sandy loam, 8 to 15 percent slopes	495	0.1
800	Truckee silt loam	2,555	0.3
802	Truckee silt loam, strongly saline	810	0.1
805	Truckee sandy loam, gravelly substratum	1,720	0.2
806	Truckee sandy loam, sandy substratum, strongly saline	530	0.1
810	Rose Creek fine sandy loam, drained	1,590	0.2
812	Rose Creek loamy fine sand, drained	440	*
813	Rose Creek gravelly fine sandy loam, drained	505	0.1
820	Marla loamy sand, 4 to 8 percent slopes	350	*
821	Marla loamy sand, 0 to 4 percent slopes	210	*
830	Fettic silty clay loam	1,955	0.2
831	Fettic loam	350	*
840	Temo-Witefels-Rock outcrop association	4,901	0.5
850	Washoe gravelly sandy loam, 0 to 4 percent slopes	1,685	0.2
861	Reywat extremely stony loam, 15 to 30 percent slopes	1,465	0.1
862	Reywat very cobbly sandy loam, 8 to 15 percent slopes	671	0.1
863	Reywat-Rock outcrop complex, 15 to 50 percent slopes	4,937	0.5
870	Xman-Rock outcrop complex, 4 to 15 percent slopes	645	0.1
871	Xman very stony loam, 15 to 30 percent slopes	5,695	0.6
872	Xman very stony sandy loam, 8 to 15 percent slopes	1,821	0.2
873	Xman-Rock outcrop complex, 30 to 50 percent slopes	2,710	0.3
875	Xman-Zephan-Mizel association	22,008	2.2
876	Xman-Oppio-Old Camp association	16,955	1.7
877	Xman-Frodo-Mizel association	2,116	0.2
880	Zephan-Rock outcrop-Smallcone complex, 15 to 50 percent slopes	3,520	0.4
881	Zephan very gravelly sandy loam, 30 to 50 percent slopes	245	*
882	Zephan stony sandy loam, 15 to 30 percent slopes	760	0.1
890	Indiano gravelly loam, warm, 15 to 30 percent slopes	990	0.1
891	Indiano gravelly loam, warm, 30 to 50 percent slopes	2,240	0.2
892	Indiano-Koontz-Flex association	3,000	0.3
893	Indiano-Duco-Cagle association	7,390	0.7
894	Indiano-Duco-Skedaddle association	11,330	1.1
895	Indiano-Zephan-Duco association	8,145	0.8
900	Flex very gravelly sandy loam, 15 to 30 percent slopes	1,865	0.2
901	Flex very gravelly sandy loam, 30 to 50 percent slopes	4,560	0.5
903	Flex stony sandy loam, 8 to 15 percent slopes	940	0.1
910	Vamp fine sandy loam, slightly saline-alkali	1,372	0.1
911	Vamp silt loam, strongly saline-alkali	1,700	0.2
930	Old Camp stony sandy loam, 15 to 30 percent slopes	3,665	0.4
931	Old Camp-Rock outcrop complex, 15 to 50 percent slopes	6,200	0.6
932	Old Camp stony sandy loam, 8 to 15 percent slopes	825	0.1
960	Kayo stony sandy loam, 2 to 4 percent slopes	2,828	0.3
961	Kayo stony sandy loam, 4 to 8 percent slopes	5,099	0.5
962	Kayo very stony sandy loam, 4 to 8 percent slopes	2,087	0.2
963	Kayo very stony sandy loam, 15 to 30 percent slopes	639	0.1
971	Aladshi sandy loam, 2 to 4 percent slopes	4,546	0.5

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
974	Aladshi gravelly sandy loam, 4 to 8 percent slopes	1,373	0.1
980	Koontz gravelly loam, 8 to 15 percent slopes	825	0.1
982	Koontz stony loam, 15 to 30 percent slopes	2,780	0.3
990	Rock outcrop	1,710	0.2
991	Xeric Torriorthents-Urban land complex	2,900	0.3
992	Playas	3,601	0.4
993	Haplaquolls	655	0.1
994	Badland-Chalco-Verdico complex, 8 to 30 percent slopes	7,488	0.8
996	Dune land-Playas complex	5,670	0.6
997	Badland	1,810	0.2
998	Beaches	2,897	0.3
1010	Gabica very gravelly sandy loam, 8 to 30 percent slopes	810	0.1
1040	Orr Variant gravelly sandy loam	750	0.1
1041	Orr Variant coarse sandy loam, thin surface	1,285	0.1
1050	Waspo clay, 15 to 30 percent slopes	1,285	0.1
1051	Waspo stony clay, 30 to 50 percent slopes	745	0.1
1052	Waspo-Rock outcrop complex, 30 to 50 percent slopes	665	0.1
1054	Waspo gravelly clay, 2 to 8 percent slopes	1,540	0.2
1060	Witefels-Rock outcrop complex, 15 to 30 percent slopes	865	0.1
1062	Witefels-Rock outcrop complex, 50 to 70 percent slopes	270	*
1080	Inville Variant gravelly sandy loam, 2 to 8 percent slopes	545	0.1
1090	Railcity very bouldery coarse sand, 15 to 50 percent slopes	1,265	0.1
1091	Railcity very bouldery coarse sand, 8 to 15 percent slopes	695	0.1
1100	Graylock-Temo-Rock outcrop complex, 30 to 70 percent slopes	6,760	0.7
1120	Apmat very stony coarse sand, 2 to 8 percent slopes	2,205	0.2
1121	Apmat gravelly sandy loam, 2 to 8 percent slopes	785	0.1
1130	Dithod sandy loam	1,205	0.1
1141	Bedell loamy sand, 2 to 4 percent slopes	3,085	0.3
1142	Bedell loamy sand, 4 to 8 percent slopes	1,665	0.2
1143	Bedell loamy sand, 8 to 15 percent slopes	875	0.1
1160	Jowec silty clay loam	2,833	0.3
1161	Jowec sandy loam	200	*
1170	Wedertz sandy loam, 2 to 4 percent slopes	6,735	0.7
1171	Wedertz sandy loam, 4 to 8 percent slopes	4,195	0.4
1172	Wedertz sand, 2 to 4 percent slopes	4,960	0.5
1181	Haypress-Tanob-Rock outcrop complex, 15 to 50 percent slopes	2,886	0.3
1182	Haypress-Tanob-Rock outcrop association	10,930	1.1
1183	Haypress-Rock outcrop complex, 15 to 50 percent slopes	1,365	0.1
1190	Spasprey sandy loam, 0 to 2 percent slopes	680	0.1
1191	Spasprey sandy loam, 2 to 4 percent slopes	1,165	0.1
1192	Spasprey sand, 2 to 4 percent slopes	335	*
1193	Spasprey sandy loam, 4 to 8 percent slopes	655	0.1
1194	Spasprey stony sandy loam, 4 to 8 percent slopes	1,495	0.1
1200	Mellor silt loam	4,055	0.4
1210	Linhart stony coarse sand, 4 to 8 percent slopes	3,010	0.3
1211	Linhart stony coarse sand, 15 to 30 percent slopes	3,095	0.3
1220	Calpine coarse sandy loam, 4 to 8 percent slopes	230	*
1240	Pizene sandy loam, 0 to 4 percent slopes	2,720	0.3
1250	Rednik very gravelly sandy loam, 4 to 8 percent slopes	1,203	0.1
1251	Rednik very stony sandy loam, 8 to 15 percent slopes	840	0.1
1260	Thulepah-Mosquet association	5,023	0.5
1270	Tristan-Indiano-Lemm association	4,665	0.5
1271	Tristan-Barshaad-Arzo association	11,202	1.1
1272	Tristan-Arzo-Reywat association	4,036	0.4
1273	Tristan-Barshaad-Frodo association	8,800	0.9
1290	Parran silty clay loam, rarely flooded	1,030	0.1
1300	Rose Creek Variant sandy loam	405	*
1301	Rose Creek Variant loamy fine sand	1,476	0.1
1310	Bango gravelly sandy loam, 0 to 8 percent slopes	2,044	0.2
1320	Osobb-Rezave-Fireball association	45,475	4.6
1330	Sutcliff-Kleinbush-Washoe association	810	0.1
1331	Sutcliff-Bundorf-Kleinbush association	18,390	1.9
1340	Hawsley-Ruhe-Bluewing association	11,736	1.2
1341	Isolde-Dune land complex, hilly	6,336	0.6
1342	Isolde-Playas association	4,376	0.4
1344	Isolde-Toulon complex, 0 to 15 percent slopes	7,205	0.7
1345	Hawsley sand, 2 to 8 percent slopes	580	0.1
1350	Stumble-Ruhe-Bluewing association	2,574	0.3
1351	Stumble loamy sand, 4 to 8 percent slopes	2,042	0.2
1360	Trocken-Stumble-Bluewing association	4,275	0.4

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
1361	Trocken-Ruhe-Bluewing association	3,420	0.3
1362	Trocken-Badland complex, 4 to 15 percent slopes	777	0.1
1363	Trocken very stony sandy loam, 4 to 8 percent slopes	1,643	0.2
1364	Trocken-Wrango complex, 4 to 30 percent slopes	698	0.1
1370	Singatse-Fireball-Rednik association	10,010	1.0
1371	Singatse-Flex-Acrelane association	5,940	0.6
1372	Singatse-Isolde association	6,242	0.6
1373	Singatse-Mizel-Stingdorn association	6,620	0.7
1374	Singatse-Fireball-Osobb associaiton	3,041	0.3
1380	Stingdorn-Singatse-Rock outcrop association	5,312	0.5
1390	Pirouette-Osobb-Rock outcrop association	4,834	0.5
1400	Softscrabble-Gabica-Burnborough association	8,664	0.9
1401	Softscrabble-Gabica-Sumine association	21,961	2.2
1410	Burnborough-Ticino-Gabica association	2,585	0.3
1411	Burnborough-Ticino-Softscrabble association	1,810	0.2
1420	Barshaad-Fugawee-Duckhill Variant association	1,920	0.2
1430	Fraval-Booford-Jumbo association	4,689	0.5
1431	Fraval-Hirschdale-Duckhill Variant association	2,860	0.3
1432	Fraval-Hirschdale-Jumbo association	10,975	1.1
1440	Tallac very bouldery sandy loam, 4 to 30 percent slopes	5,060	0.5
1441	Tallac stony sandy loam, 30 to 50 percent slopes	975	0.1
1450	Meiss-Sibelia-Rock outcrop association	7,055	0.7
1460	Jorge-Boomtown-Fugawee association	11,525	1.2
1470	Carioca-Sibelia Variant-Fugawee association	5,710	0.6
1480	Macareeno-Blackwell-Carioca association	3,210	0.3
1490	Arzo-Indiano-Barnard association	7,009	0.7
1510	Cagle-Nosrac-Old Camp association	2,805	0.3
1520	Duco-Smallcone-Cagle association	8,267	0.8
1521	Duco-Yuko-Lemm association	3,880	0.4
1522	Duco-Pahrange-Lemm association	17,938	1.8
1530	Bombadil-Hefed-Rubble land association	10,756	1.1
1531	Bombadil-Hefed-Fireball association	3,523	0.4
1540	McQuarrie-Tristan-Arzo association	21,316	2.2
1541	McQuarrie-Duco-Tristan association	3,470	0.4
1550	Skedaddle-Pahrange-Lemm association	10,111	1.0
1570	Bluewing-Biddleman-Bundorf association	2,705	0.3
1580	Frodo-Xman-Oppio association	14,980	1.5
1590	Ruhe stony loamy sand, 4 to 8 percent slopes	1,398	0.1
1600	Wrango-Ruhe complex, 4 to 8 percent slopes	1,549	0.2
	Water areas smaller than 40 acres	1,415	0.1
	Water areas larger than 40 acres	42,050	4.3
	Total	1,028,620	100.0

* Less than 0.1 percent.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES

[Only the soils that support rangeland vegetation suitable for grazing are listed. Soils in areas undergoing rapid development for nonagricultural uses are not included]

Soil name and map symbol	Range site name	Total production		Characteristic vegetation	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
140, 141, 142 Haybourne	Sandy, 8-10" p.z. (26-20)	Favorable	800	Needleandthread	20
		Normal	600	Indian ricegrass	15
		Unfavorable	400	Wyoming big sagebrush	15
				Thurber needlegrass	10
				Bottlebrush squirreltail	10
160 Incy	Sandy, 8-10" p.z. (26-20)	Favorable	800	Needleandthread	20
		Normal	600	Wyoming big sagebrush	15
		Unfavorable	400	Thurber needlegrass	15
				Spiny hopsage	5
				Desert needlegrass	5
				Antelope bitterbrush	5
				Bottlebrush squirreltail	5
161 Incy	Dunes, 10-12" p.z. (26-14)	Favorable	800	Needleandthread	25
		Normal	700	Antelope bitterbrush	25
		Unfavorable	600	Indian ricegrass	15
				Desert needlegrass	5
				Wyoming big sagebrush	5
				Rubber rabbitbrush	5
				Spiny hopsage	5
				Green ephedra	5
174, 175 Indian Creek	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
176*:					
Indian Creek	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Reno	Claypan, 10-12" p.z. (26-23)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	10
				Canby bluegrass	10
				Sandberg bluegrass	5
				Littleleaf horsebrush	5
Washoe	Loamy, 8-10" p.z. (26-16)	Favorable	800	Thurber needlegrass	20
		Normal	500	Wyoming big sagebrush	20
		Unfavorable	400	Indian ricegrass	10
				Anderson peachbrush	5
				Bottlebrush squirreltail	5
				Green ephedra	5
				Douglas rabbitbrush	5
190, 191, 192 Manogue	Churning Clay, 8-10" p.z. (26-27)	Favorable	400	Bottlebrush squirreltail	40
		Normal	300	Sandberg bluegrass	10
		Unfavorable	200	Littleleaf horsebrush	10
				Douglas rabbitbrush	10
				Low sagebrush	10
				Sunflower	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
210, 211 Luppino	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5
221, 222 Oppio	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	25
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
223*:					
Oppio	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	25
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Rezave	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	25
		Normal	200	Shadscale	20
		Unfavorable	50	Bailey greasewood	10
				Bud sagebrush	10
				Galleta	5
				Bottlebrush squirreltail	5
Rock outcrop.					
230 Cradlebaugh	Moist Floodplain (26-1)	Favorable	4,000	Creeping wildrye	50
		Normal	2,500	Basin wildrye	15
		Unfavorable	1,200	Nevada bluegrass	5
				Baltic rush	5
250, 251, 252 Cassiro	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Indian ricegrass	5
				Bottlebrush squirreltail	5
				Douglas rabbitbrush	5
280, 281, 282 Wedekind	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass	20
		Normal	600	Bottlebrush squirreltail	15
		Unfavorable	450	Wyoming big sagebrush	15
				Indian ricegrass	10
				Antelope bitterbrush	10
				Douglas rabbitbrush	5
				Green ephedra	5
290, 291 Verdico Variant	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	20
		Normal	400	Low sagebrush	20
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
310*, 311*:					
Risley	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
310*, 311*: Rock outcrop.					
312, 313 Risley	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5
314*:					
Risley	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Rock outcrop.					
341 Yuko	South Slope, 8-12" p.z. (26-11)	Favorable	800	Desert needlegrass	30
		Normal	700	Thurber needlegrass	10
		Unfavorable	600	Green ephedra	10
				Wyoming big sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
				Littleleaf horsebrush	5
				Douglas rabbitbrush	5
342*:					
Yuko	South Slope, 8-12" p.z. (26-11)	Favorable	800	Desert needlegrass	30
		Normal	700	Thurber needlegrass	10
		Unfavorable	600	Green ephedra	10
				Wyoming big sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
				Littleleaf horsebrush	5
				Douglas rabbitbrush	5
Reywat	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass	20
		Normal	600	Bottlebrush squirreltail	10
		Unfavorable	450	Indian ricegrass	10
				Arrowleaf balsamroot	5
				Wyoming big sagebrush	5
Rock outcrop.					
351*:					
Mizel	Eroded Slopes, 8-12" p.z. (26-29)	Favorable	200	Wyoming big sagebrush	20
		Normal	150	Desert needlegrass	15
		Unfavorable	100	Indian ricegrass	10
				Douglas rabbitbrush	10
				Purple sage	10
				Antelope bitterbrush	10
				Bottlebrush squirreltail	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
351*:					
Skedaddle	Eroded South Slopes, 8-10" p.z. (23-30)	Favorable	300	Purple sage	20
		Normal	200	Desert needlegrass	10
		Unfavorable	150	Antelope bitterbrush	10
				Green ephedra	10
				Bottlebrush squirreltail	5
				Littleleaf horsebrush	5
				Wyoming big sagebrush	5
Rock outcrop.					
490 Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
491*:					
Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
Rock outcrop.					
492 Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
493*:					
Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
Glenbrook	Shallow Granitic-Upland, 10-12" p.z. (26-18)	Favorable	650	Desert needlegrass	30
		Normal	400	Antelope bitterbrush	15
		Unfavorable	250	Thurber needlegrass	10
				Bottlebrush squirreltail	10
				Wyoming big sagebrush	10
				Douglas rabbitbrush	5
				Green ephedra	5
494 Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
495*:					
Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
Glenbrook	Shallow Granitic-Upland, 10-12" p.z. (26-18)	Favorable	650	Desert needlegrass	30
		Normal	400	Antelope bitterbrush	15
		Unfavorable	250	Thurber needlegrass	10
				Bottlebrush squirreltail	10
				Wyoming big sagebrush	10
				Douglas rabbitbrush	5
				Green ephedra	5
Rock outcrop.					
496*:					
Graufels	Granitic Upland, 10-12" p.z. (26-26)	Favorable	800	Wyoming big sagebrush	20
		Normal	600	Anderson peachbrush	15
		Unfavorable	400	Wyoming big sagebrush	15
				Indian ricegrass	10
				Thurber needlegrass	10
				Phlox	5
				Anderson peachbrush	5
Glenbrook	Shallow Granitic-Upland, 10-12" p.z. (26-6)	Favorable	650	Desert needlegrass	30
		Normal	400	Antelope bitterbrush	15
		Unfavorable	250	Thurber needlegrass	10
				Bottlebrush squirreltail	10
				Wyoming big sagebrush	10
				Douglas rabbitbrush	5
				Green ephedra	5
Haypress	Granitic Upland, 14-16" p.z. (26-26)	Favorable	1,000	Thurber needlegrass	30
		Normal	900	Indian ricegrass	20
		Unfavorable	800	Big sagebrush	15
				Pricklygilia	7
513*:					
Settlemeyer	Wet Meadow (26-3)	Favorable	2,000	Tufted hairgrass	30
		Normal	1,500	Nevada bluegrass	15
		Unfavorable	1,000	Meadow barley	10
				Alpine timothy	10
				Cinquefoil	5
				Willow	5
Notus	Loamy Bottom, 8-10" p.z. (23-9)	Favorable	3,000	Basin wildrye	60
		Normal	2,000	Big sagebrush	15
		Unfavorable	1,500	Nevada bluegrass	10
				Sedge	5
				Tall green rabbitbrush	5
550, 551, 553, 554, 557, 559 Leviathan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
570---------- Turria	Loamy, 8-10" p.z. (26-16)-----	Favorable	800	Thurber needlegrass----------	25
		Normal	600	Wyoming big sagebrush---------	20
		Unfavorable	400	Indian ricegrass----------	10
				Bottlebrush squirreltail------	5
				Anderson peachbrush----------	5
				Green ephedra----------	5
				Douglas rabbitbrush----------	5
585*:					
Barnard----------	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Wyoming big sagebrush---------	20
		Normal	600	Thurber needlegrass----------	20
		Unfavorable	500	Antelope bitterbrush----------	10
				Indian ricegrass----------	10
				Western juniper----------	5
				Utah juniper----------	5
Trosi----------	Claypan, 10-12" p.z. (26-23)--	Favorable	500	Thurber needlegrass----------	25
		Normal	400	Low sagebrush----------	20
		Unfavorable	300	Canby bluegrass----------	10
				Antelope bitterbrush----------	5
590, 591, 595------ Springmeyer	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Bottlebrush squirreltail------	5
				Douglas rabbitbrush----------	5
612, 613, 615------ Verdico	Claypan, 10-12" p.z. (26-23)--	Favorable	400	Low sagebrush----------	20
		Normal	300	Thurber needlegrass----------	20
		Unfavorable	200	Bottlebrush squirreltail------	10
				Littleleaf horsebrush---------	5
				Canby bluegrass----------	5
				Sandberg bluegrass----------	5
620, 621---------- Orr	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
				Douglas rabbitbrush----------	5
660, 661, 662------ Oest	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	25
		Normal	700	Wyoming big sagebrush---------	20
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Bottlebrush squirreltail------	5
				Sandberg bluegrass----------	5
663, 664---------- Oest	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	25
		Normal	700	Wyoming big sagebrush---------	20
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
668---------- Oest	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	25
		Normal	700	Wyoming big sagebrush---------	20
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Bottlebrush squirreltail------	5
				Sandberg bluegrass----------	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
669---------- Oest	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	25
		Normal	700	Wyoming big sagebrush---------	20
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
670, 671, 673------ Galeppi	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Wyoming big sagebrush---------	20
		Normal	700	Thurber needlegrass----------	20
		Unfavorable	600	Antelope bitterbrush----------	10
				Basin wildrye----------	10
674---------- Galeppi	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Wyoming big sagebrush---------	20
		Normal	600	Thurber needlegrass----------	15
		Unfavorable	500	Antelope bitterbrush----------	10
				Utah juniper----------	5
				Douglas rabbitbrush----------	5
				Indian ricegrass----------	5
				Western juniper----------	5
676*:					
Galeppi----------	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	900	Wyoming big sagebrush---------	20
		Normal	700	Thurber needlegrass----------	20
		Unfavorable	600	Antelope bitterbrush----------	10
				Basin wildrye----------	10
Barnard----------	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Wyoming big sagebrush---------	20
		Normal	600	Thurber needlegrass----------	20
		Unfavorable	500	Antelope bitterbrush----------	10
				Indian ricegrass----------	10
				Western juniper----------	5
				Utah juniper----------	5
681, 683---------- Reno	Claypan, 10-12" p.z. (26-23)--	Favorable	400	Thurber needlegrass----------	25
		Normal	300	Low sagebrush----------	20
		Unfavorable	200	Bottlebrush squirreltail------	10
				Canby bluegrass----------	10
				Sandberg bluegrass----------	5
				Littleleaf horsebrush---------	5
730, 731---------- Stodick	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass----------	20
		Normal	600	Bottlebrush squirreltail------	15
		Unfavorable	450	Wyoming big sagebrush---------	15
				Indian ricegrass----------	10
				Antelope bitterbrush----------	10
				Douglas rabbitbrush----------	5
				Green ephedra----------	5
740---------- Blackwell	Wet Meadow (22-1)----------	Favorable	2,000	Nevada bluegrass----------	20
		Normal	1,500	Sedge----------	10
		Unfavorable	1,000	Willow----------	5
772, 775---------- Booford	Loamy, 12-14" p.z. (26-5)-----	Favorable	1,100	Western needlegrass----------	25
		Normal	1,050	Mountain brome----------	20
		Unfavorable	900	Basin wildrye----------	15
				Mountain big sagebrush--------	15
				Big sagebrush----------	10
780, 782---------- Bieber	Claypan, 10-12" p.z. (26-23)--	Favorable	500	Thurber needlegrass----------	25
		Normal	400	Low sagebrush----------	20
		Unfavorable	300	Bottlebrush squirreltail------	15
				Canby bluegrass----------	10
				Antelope bitterbrush----------	5
				Douglas rabbitbrush----------	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
850 Washoe	Loamy, 8-10" p.z. (26-16)	Favorable	800	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	400	Indian ricegrass	10
				Anderson peachbrush	5
				Bottlebrush squirreltail	5
				Green ephedra	5
				Douglas rabbitbrush	5
861, 862 Reywat	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass	20
		Normal	600	Bottlebrush squirreltail	10
		Unfavorable	450	Indian ricegrass	10
				Arrowleaf balsamroot	5
				Wyoming big sagebrush	5
863*:					
Reywat	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass	20
		Normal	600	Bottlebrush squirreltail	10
		Unfavorable	450	Indian ricegrass	10
				Arrowleaf balsamroot	5
				Wyoming big sagebrush	5
Rock outcrop.					
870*:					
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Rock outcrop.					
871, 872 Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
873*:					
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Rock outcrop.					
875*:					
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Zephan	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production		Characteristic vegetation	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
875*:					
Mizel	Eroded Slopes, 8-12" p.z. (26-29)	Favorable	200	Wyoming big sagebrush	20
		Normal	150	Desert needlegrass	15
		Unfavorable	100	Indian ricegrass	10
				Douglas rabbitbrush	10
				Purple sage	10
				Antelope bitterbrush	10
				Bottlebrush squirreltail	5
876*:					
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Oppio	Claypan, 8-10" p.z. (26-25)	Favorable	400	Low sagebrush	20
		Normal	300	Thurber needlegrass	20
		Unfavorable	200	Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Old Camp	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Bottlebrush squirreltail	10
				Green ephedra	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
877*:					
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Frodo	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Mizel	Eroded Slopes, 8-12" p.z. (26-29)	Favorable	200	Wyoming big sagebrush	20
		Normal	150	Desert needlegrass	15
		Unfavorable	100	Indian ricegrass	10
				Douglas rabbitbrush	10
				Purple sage	10
				Antelope bitterbrush	10
				Bottlebrush squirreltail	5
880*:					
Zephan	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5
Rock outcrop.					
Smallcone.					

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
890---------- Indiano	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
891---------- Indiano	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
892*:					
Indiano----------	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
Koontz----------	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass----------	20
		Normal	600	Bottlebrush squirreltail------	15
		Unfavorable	450	Wyoming big sagebrush---------	15
				Indian ricegrass----------	10
				Antelope bitterbrush----------	10
				Green ephedra----------	5
				Douglas rabbitbrush----------	5
Flex----------	South Slope, 8-12" p.z. (26-11)	Favorable	800	Desert needlegrass----------	40
		Normal	700	Thurber needlegrass----------	15
		Unfavorable	600	Wyoming big sagebrush---------	10
				Green ephedra----------	10
				Douglas rabbitbrush----------	5
				Bottlebrush squirreltail------	5
893*:					
Indiano----------	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
Duco.					
Cagle----------	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	20
		Unfavorable	600	Antelope bitterbrush----------	10
				Basin wildrye----------	5
				Bottlebrush squirreltail------	5
894*:					
Indiano----------	Loamy, 10-12" p.z. (26-10)----	Favorable	900	Thurber needlegrass----------	20
		Normal	700	Wyoming big sagebrush---------	15
		Unfavorable	600	Basin wildrye----------	10
				Antelope bitterbrush----------	10
				Indian ricegrass----------	5
				Sandberg bluegrass----------	5
				Bottlebrush squirreltail------	5
Duco.					

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production		Characteristic vegetation	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
894*:					
Skedaddle	Eroded South Slopes, 8-10" p.z. (23-30)	Favorable	300	Purple sage	20
		Normal	200	Desert needlegrass	10
		Unfavorable	150	Antelope bitterbrush	10
				Green ephedra	10
				Bottlebrush squirreltail	5
				Littleleaf horsebrush	5
				Wyoming big sagebrush	5
895*:					
Indiano	Loamy, 10-12" p.z. (23-20)	Favorable	1,100	Bluebunch wheatgrass	40
		Normal	800	Wyoming big sagebrush	20
		Unfavorable	600	Thurber needlegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
Zephan	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
				Douglas rabbitbrush	5
				Western juniper	5
Duco.					
900, 901, 903 Flex	South Slope, 8-12" p.z. (26-11)	Favorable	800	Desert needlegrass	40
		Normal	700	Thurber needlegrass	15
		Unfavorable	600	Wyoming big sagebrush	10
				Green ephedra	10
				Douglas rabbitbrush	5
				Bottlebrush squirreltail	5
930 Old Camp	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Bottlebrush squirreltail	10
				Green ephedra	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
931*:					
Old Camp	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Bottlebrush squirreltail	10
				Green ephedra	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
Rock outcrop.					
932 Old Camp	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Bottlebrush squirreltail	10
				Green ephedra	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
960 Kayo	Droughty Loam, 8-10" p.z. (26-24)	Favorable	400	Wyoming big sagebrush	30
		Normal	300	Spiny hopsage	20
		Unfavorable	200	Indian ricegrass	15
				Desert needlegrass	5
				Douglas rabbitbrush	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
961, 962, 963------ Kayo	Droughty Loam, 8-10" p.z. (26-24)	Favorable	400	Wyoming big sagebrush---------	30
		Normal	300	Spiny hopsage----------	20
		Unfavorable	200	Indian ricegrass----------	15
				Desert needlegrass----------	5
				Douglas rabbitbrush----------	5
971, 974---------- Aladshi	Droughty Loam, 8-10" p.z. (26-24)	Favorable	400	Wyoming big sagebrush---------	30
		Normal	300	Spiny hopsage----------	25
		Unfavorable	200	Indian ricegrass----------	15
				Desert needlegrass----------	5
980---------- Koontz	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass----------	20
		Normal	600	Bottlebrush squirreltail------	15
		Unfavorable	450	Wyoming big sagebrush---------	15
				Indian ricegrass----------	10
				Antelope bitterbrush----------	10
				Douglas rabbitbrush----------	5
982---------- Koontz	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass----------	20
		Normal	600	Bottlebrush squirreltail------	15
		Unfavorable	450	Wyoming big sagebrush---------	15
				Indian ricegrass----------	10
				Antelope bitterbrush----------	10
				Green ephedra----------	5
				Douglas rabbitbrush----------	5
1010---------- Gabica	Mountain Ridges, 12-16" p.z. (26-28)	Favorable	350	Low sagebrush----------	25
		Normal	250	Thurber needlegrass----------	15
		Unfavorable	150	Sandberg bluegrass----------	10
				Sedge----------	5
				Rabbitbrush----------	5
				Antelope bitterbrush----------	5
1050, 1051--------- Waspo	Churning Clay, 10-12" p.z. (26-19)	Favorable	800	Western wheatgrass----------	20
		Normal	600	Wyoming big sagebrush---------	20
		Unfavorable	500	Bottlebrush squirreltail------	15
				Sandberg bluegrass----------	10
				Littleleaf horsebrush---------	10
				Onion----------	5
				Antelope bitterbrush----------	5
1052*:					
Waspo----------	Churning Clay, 10-12" p.z. (26-19)	Favorable	800	Western wheatgrass----------	20
		Normal	600	Wyoming big sagebrush---------	20
		Unfavorable	500	Bottlebrush squirreltail------	15
				Sandberg bluegrass----------	10
				Littleleaf horsebrush---------	10
				Onion----------	5
				Antelope bitterbrush----------	5
Rock outcrop.					
1054---------- Waspo	Churning Clay, 10-12" p.z. (26-19)	Favorable	800	Western wheatgrass----------	20
		Normal	600	Wyoming big sagebrush---------	20
		Unfavorable	500	Bottlebrush squirreltail------	15
				Sandberg bluegrass----------	10
				Littleleaf horsebrush---------	10
				Onion----------	5
				Antelope bitterbrush----------	5
1141, 1142, 1143--- Bedell	Granitic Fan, 10-12" p.z. (26-8)	Favorable	1,000	Needleandthread----------	20
		Normal	800	Antelope bitterbrush----------	20
		Unfavorable	600	Indian ricegrass----------	15
				Mountain big sagebrush--------	10
				Desert needlegrass----------	5
				Bottlebrush squirreltail------	5
				Spineless horsebrush----------	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production		Characteristic vegetation	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
1170, 1171 Wedertz	Loamy, 8-10" p.z. (26-16)	Favorable	800	Thurber needlegrass	25
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	400	Indian ricegrass	10
				Anderson peachbrush	5
				Bottlebrush squirreltail	5
				Green ephedra	5
				Douglas rabbitbrush	5
1172 Wedertz	Sandy, 8-10" p.z. (26-20)	Favorable	800	Needleandthread	20
		Normal	600	Indian ricegrass	20
		Unfavorable	400	Wyoming big sagebrush	15
				Bottlebrush squirreltail	10
				Thurber needlegrass	5
1181*, 1182*:					
Haypress	Granitic Upland, 14-16" p.z. (26-6)	Favorable	1,000	Thurber needlegrass	30
		Normal	900	Indian ricegrass	20
		Unfavorable	800	Big sagebrush	15
				Pricklygilia	7
Tanob	Granitic Upland, 14-16" p.z. (26-6)	Favorable	1,000	Thurber needlegrass	15
		Normal	900	California needlegrass	10
		Unfavorable	800	Mountain big sagebrush	10
				Antelope bitterbrush	10
				Mountain brome	5
				Snowberry	5
Rock outcrop.					
1190, 1191, 1192, 1193, 1194 Spasprey	Loamy, 8-10" p.z. (26-16)	Favorable	800	Thurber needlegrass	20
		Normal	600	Wyoming big sagebrush	20
		Unfavorable	400	Indian ricegrass	10
				Green ephedra	5
				Bottlebrush squirreltail	5
				Douglas rabbitbrush	5
				Anderson peachbrush	5
1210, 1211 Linhart	Granitic Fan, 10-12" p.z. (26-8)	Favorable	1,000	Needleandthread	20
		Normal	800	Antelope bitterbrush	20
		Unfavorable	600	Indian ricegrass	15
				Mountain big sagebrush	10
				Desert needlegrass	5
				Bottlebrush squirreltail	5
				Spineless horsebrush	5
1220 Calpine	Granitic Fan, 10-12" p.z. (26-8)	Favorable	1,000	Needleandthread	20
		Normal	800	Antelope bitterbrush	15
		Unfavorable	600	Big sagebrush	10
				Indian ricegrass	10
				Desert needlegrass	5
				Thurber needlegrass	5
1250, 1251 Rednik	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	35
		Normal	300	Indian ricegrass	20
		Unfavorable	200	Bud sagebrush	20
				Bottlebrush squirreltail	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1260*:					
Thulepah	Steep North Slope, 14-20" p.z. (26-7)	Favorable	1,000	Idaho fescue	30
		Normal	800	Mountain big sagebrush	10
		Unfavorable	600	Mountain brome	5
				Bluebunch wheatgrass	5
				Nevada bluegrass	5
				Antelope bitterbrush	5
				Snowberry	5
Mosquet	Mountain Ridges, 12-16" p.z. (26-28)	Favorable	350	Low sagebrush	25
		Normal	250	Thurber needlegrass	15
		Unfavorable	150	Sandberg bluegrass	10
				Sedge	5
				Phlox	5
				Rabbitbrush	5
				Antelope bitterbrush	5
1270*:					
Tristan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
Indiano	Loamy, 10-12" p.z. (23-20)	Favorable	1,100	Bluebunch wheatgrass	40
		Normal	800	Wyoming big sagebrush	20
		Unfavorable	600	Thurber needlegrass	10
				Basin wildrye	5
Lemm	Loamy, 10-12" p.z. (23-20)	Favorable	1,100	Bluebunch wheatgrass	35
		Normal	800	Wyoming big sagebrush	20
		Unfavorable	600	Thurber needlegrass	15
				Basin wildrye	5
				Sandberg bluegrass	5
1271*:					
Tristan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
Barshaad	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Arzo	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
1272*:					
Tristan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1272*:					
Arzo	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
Reywat	Shallow Loam, 10-12" p.z. (26-15)	Favorable	700	Thurber needlegrass	20
		Normal	600	Bottlebrush squirreltail	10
		Unfavorable	450	Indian ricegrass	10
				Arrowleaf balsamroot	5
				Wyoming big sagebrush	5
1273*:					
Tristan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
Barshaad	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Frodo	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
1290 Parran	Wet Sodic Bottom (26-2)	Favorable	2,000	Inland saltgrass	60
		Normal	1,800	Seepweed	5
		Unfavorable	1,700	Black greasewood	5
1310 Bango	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	50	Bottlebrush squirreltail	10
				Bailey greasewood	10
				Bud sagebrush	10
1320*:					
Osobb	Eroded Slope, 4-8" p.z. (27-26)	Favorable	250	Indian ricegrass	20
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	10
				Bailey greasewood	10
				Winterfat	5
				Nevada ephedra	5
				Douglas rabbitbrush	5
Rezave	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	50	Bailey greasewood	10
				Bottlebrush squirreltail	10
				Bud sagebrush	10

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1320*:					
Fireball	Gravelly Loam, 6-8" p.z. (27-30)	Favorable	400	Pine bluegrass	20
		Normal	300	Indian ricegrass	15
		Unfavorable	200	Shadscale	15
				Bailey greasewood	10
				Bud sagebrush	10
				Bottlebrush squirreltail	5
1330*:					
Sutcliff	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	10
				Bottlebrush squirreltail	5
Kleinbush	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	300	Shadscale	20
		Unfavorable	200	Bud sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
Washoe	Loamy, 8-10" p.z. (26-16)	Favorable	800	Thurber needlegrass	20
		Normal	500	Wyoming big sagebrush	20
		Unfavorable	400	Indian ricegrass	10
				Anderson peachbrush	5
				Bottlebrush squirreltail	5
				Green ephedra	5
				Douglas rabbitbrush	5
1331*:					
Sutcliff	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	10
				Bottlebrush squirreltail	5
Bundorf	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	300	Shadscale	20
		Unfavorable	200	Bud sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
Kleinbush	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	300	Shadscale	20
		Unfavorable	200	Bud sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
1340*:					
Hawsley	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Needleandthread	10
		Unfavorable	200	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5
Ruhe	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Needleandthread	10
		Unfavorable	200	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1340*:					
Bluewing	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	5
1341*:					
Isolde	Dunes, 4-8" p.z. (27-23)	Favorable	300	Hairy horsebrush	30
		Normal	200	Indian ricegrass	20
		Unfavorable	100	Needleandthread	10
				Fourwing saltbush	10
				Nevada dalea	5
				Littleleaf horsebrush	5
Dune land.					
1342*:					
Isolde	Dunes, 4-8" p.z. (27-23)	Favorable	300	Hairy horsebrush	30
		Normal	200	Indian ricegrass	20
		Unfavorable	100	Needleandthread	10
				Fourwing saltbush	10
				Nevada dalea	5
				Littleleaf horsebrush	5
Playas.					
1344*:					
Isolde	Dunes, 4-8" p.z. (27-23)	Favorable	300	Hairy horsebrush	30
		Normal	200	Indian ricegrass	20
		Unfavorable	100	Needleandthread	10
				Fourwing saltbush	10
				Nevada dalea	5
				Littleleaf horsebrush	5
Toulon	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	300	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bottlebrush squirreltail	10
				Bud sagebrush	5
1345 Hawsley	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Needleandthread	10
		Unfavorable	200	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5
1350*:					
Stumble	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Bailey greasewood	10
		Unfavorable	200	Needleandthread	10
				Fourwing saltbush	5
				Winterfat	5
				Galleta	5
Ruhe	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Needleandthread	10
		Unfavorable	200	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1350*:					
Bluewing	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	10
1351 Stumble	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Bailey greasewood	10
		Unfavorable	200	Needleandthread	10
				Fourwing saltbush	5
				Winterfat	5
				Galleta	5
1360*:					
Trocken	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	25
		Unfavorable	200	Bud sagebrush	15
				Bottlebrush squirreltail	10
				Winterfat	5
Stumble	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Bailey greasewood	10
		Unfavorable	200	Needleandthread	10
				Fourwing saltbush	5
				Winterfat	5
				Galleta	5
Bluewing	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	10
1361*:					
Trocken	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	25
		Unfavorable	200	Bud sagebrush	15
				Bottlebrush squirreltail	10
				Winterfat	5
Ruhe	Sandy, 4-8" p.z. (27-9)	Favorable	500	Indian ricegrass	40
		Normal	300	Needleandthread	10
		Unfavorable	200	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5
Bluewing	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	20
		Unfavorable	100	Bailey greasewood	10
				Bud sagebrush	10
1362*:					
Trocken	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	15
		Unfavorable	200	Bud sagebrush	15
				Bottlebrush squirreltail	10
				Winterfat	5
Badland.					
1363 Trocken	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	25
		Unfavorable	200	Bud sagebrush	15
				Bottlebrush squirreltail	10
				Winterfat	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1364*:					
Trocken	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	25
		Unfavorable	200	Bud sagebrush	15
				Bottlebrush squirreltail	10
				Winterfat	5
Wrango	Droughty Loam, 8-10" p.z. (26-24)	Favorable	400	Wyoming big sagebrush	35
		Normal	300	Spiny hopsage	25
		Unfavorable	200	Indian ricegrass	10
1370*:					
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	150	Indian ricegrass	25
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	15
				Galleta	5
				Bottlebrush squirreltail	5
				Winterfat	5
				Bud sagebrush	5
Fireball	Gravelly Loam, 4-6" p.z. (27-30)	Favorable	400	Pine bluegrass	20
		Normal	200	Shadscale	15
		Unfavorable	50	Bailey greasewood	10
				Bud sagebrush	10
				Bottlebrush squirreltail	5
Rednik	Loamy, 6-8" p.z. (27-13)	Favorable	500	Shadscale	25
		Normal	300	Indian ricegrass	20
		Unfavorable	200	Bud sagebrush	20
				Bottlebrush squirreltail	5
1371*:					
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	150	Indian ricegrass	25
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	15
				Galleta	5
				Bottlebrush squirreltail	5
				Winterfat	5
				Bud sagebrush	5
Flex	South Slope, 8-10" p.z. (26-11)	Favorable	800	Desert needlegrass	40
		Normal	700	Thurber needlegrass	15
		Unfavorable	600	Wyoming big sagebrush	10
				Green ephedra	10
				Douglas rabbitbrush	5
				Bottlebrush squirreltail	5
Acrelane.					
1372*:					
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	150	Indian ricegrass	25
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	15
				Galleta	5
				Bottlebrush squirreltail	5
				Winterfat	5
				Bud sagebrush	5
Isolde	Dunes 4-8" p.z. (27-23)	Favorable	300	Hairy horsebrush	30
		Normal	200	Indian ricegrass	20
		Unfavorable	100	Needleandthread	10
				Fourwing saltbush	10
				Nevada dalea	5
				Littleleaf horsebrush	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1373*:					
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	150	Indian ricegrass	25
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	15
				Galleta	5
				Bottlebrush squirreltail	5
				Winterfat	5
				Bud sagebrush	5
Mizel	Eroded Slopes, 8-12" p.z. (26-29)	Favorable	200	Wyoming big sagebrush	20
		Normal	150	Desert needlegrass	15
		Unfavorable	100	Indian ricegrass	10
				Douglas rabbitbrush	10
				Purple sage	10
				Antelope bitterbrush	10
				Bottlebrush squirreltail	5
Stingdorn	Eroded Slope, 4-8" p.z. (27-26)	Favorable	250	Indian ricegrass	20
		Normal	100	Bailey greasewood	20
		Unfavorable	50	Shadscale	20
				Desert needlegrass	10
				Winterfat	5
1374*:					
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	150	Indian ricegrass	25
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	15
				Galleta	5
				Bottlebrush squirreltail	5
				Winterfat	5
				Bud sagebrush	5
Fireball	Gravelly Loam, 6-8" p.z. (27-30)	Favorable	400	Pine bluegrass	20
		Normal	200	Shadscale	15
		Unfavorable	50	Bailey greasewood	10
				Bud sagebrush	10
				Bottlebrush squirreltail	5
Osobb	Eroded Slope, 4-8" p.z. (27-26)	Favorable	250	Indian ricegrass	20
		Normal	100	Shadscale	20
		Unfavorable	50	Bailey greasewood	10
				Desert needlegrass	10
				Winterfat	5
				Nevada ephedra	5
				Douglas rabbitbrush	5
1380*:					
Stingdorn	Eroded Slope, 4-6" p.z. (27-26)	Favorable	250	Indian ricegrass	20
		Normal	100	Shadscale	20
		Unfavorable	50	Bailey greasewood	10
				Desert needlegrass	10
				Winterfat	5
Singatse	Very Shallow Loam, 4-8" p.z. (27-27)	Favorable	250	Indian ricegrass	20
		Normal	100	Shadscale	20
		Unfavorable	50	Desert needlegrass	10
				Winterfat	5
				Galleta	5
				Bottlebrush squirreltail	5
				Bud sagebrush	5
Rock outcrop.					

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1390*:					
Pirouette	Gravelly Loam, 4-8" p.z. (27-18)	Favorable	400	Indian ricegrass	30
		Normal	200	Shadscale	15
		Unfavorable	100	Bailey greasewood	10
				Pine bluegrass	5
				Bottlebrush squirreltail	5
				Bud sagebrush	5
Osobb	Eroded Slope, 4-8" p.z. (27-26)	Favorable	250	Indian ricegrass	20
		Normal	100	Shadscale	20
		Unfavorable	50	Bailey greasewood	10
				Desert needlegrass	10
				Winterfat	5
				Nevada ephedra	5
				Douglas rabbitbrush	5
Rock outcrop.					
1400*:					
Softscrabble	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Spike-fescue	5
				Snowberry	5
				Serviceberry	5
Gabica	Mountain Ridges, 12-16" p.z. (26-28)	Favorable	350	Low sagebrush	25
		Normal	250	Thurber needlegrass	15
		Unfavorable	150	Sandberg bluegrass	10
				Sedge	5
				Rabbitbrush	5
				Antelope bitterbrush	5
Burnborough	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Snowberry	5
1401*:					
Softscrabble	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Spike-fescue	5
				Snowberry	5
				Serviceberry	5
Gabica	Mountain Ridges, 12-16" p.z. (26-28)	Favorable	350	Low sagebrush	25
		Normal	250	Thurber needlegrass	15
		Unfavorable	150	Sandberg bluegrass	10
				Sedge	5
				Rabbitbrush	5
				Antelope bitterbrush	5
Sumine	Stony Loam, 12-14" p.z. (23-15)	Favorable	1,050	Bluebunch wheatgrass	30
		Normal	750	Mountain big sagebrush	10
		Unfavorable	650	Antelope bitterbrush	10
				Thurber needlegrass	5
				Basin wildrye	5
				Idaho fescue	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1410*:					
Burnborough	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Snowberry	5
Ticino	Mahogany Slopes, 14-18" p.z. (26-9)	Favorable	1,000	Curlleaf mountainmahogany	45
		Normal	800	Mountain big sagebrush	5
		Unfavorable	600	Common snowberry	5
				Arrowleaf balsamroot	5
				Pine bluegrass	5
				Bottlebrush squirreltail	5
				Basin wildrye	5
Gabica	Mountain Ridges, 12-16" p.z. (26-28)	Favorable	350	Low sagebrush	25
		Normal	250	Thurber needlegrass	15
		Unfavorable	150	Sandberg bluegrass	10
				Sedge	5
				Rabbitbrush	5
				Antelope bitterbrush	5
1411*:					
Burnborough	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Snowberry	5
Ticino	Mahogany Slopes, 14-18" p.z. (26-9)	Favorable	1,000	Curlleaf mountainmahogany	45
		Normal	800	Mountain big sagebrush	5
		Unfavorable	600	Common snowberry	5
				Arrowleaf balsamroot	5
				Pine bluegrass	5
				Bottlebrush squirreltail	5
				Basin wildrye	5
Softscrabble	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	20
		Normal	950	Mountain brome	15
		Unfavorable	800	Mountain big sagebrush	15
				Basin wildrye	10
				Antelope bitterbrush	10
				Spike-fescue	5
				Snowberry	5
				Serviceberry	5
1420*:					
Barshaad	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Fugawee.					
Duckhill Variant.					
1430*:					
Fraval.					

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1430*:					
Booford	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	25
		Normal	1,050	Mountain brome	20
		Unfavorable	900	Basin wildrye	15
				Mountain big sagebrush	15
				Big sagebrush	10
Jumbo.					
1450*:					
Meiss	Very Shallow Loam (22-2)	Favorable	450	Bottlebrush squirreltail	20
		Normal	300	Wyethia	20
		Unfavorable	200	Lupine	15
				Mountain big sagebrush	15
				Trisetum	10
				Scarlet gilia	5
				Sedge	5
Sibelia.					
Rock outcrop.					
1480*:					
Macareeno.					
Blackwell	Wet Meadow (22-1)	Favorable	2,000	Nevada bluegrass	20
		Normal	1,500	Sedge	10
		Unfavorable	1,000	Willow	5
Carioca.					
1490*:					
Arzo	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
Indiano	Loamy, 10-12" p.z. (23)	Favorable	1,100	Bluebunch wheatgrass	40
		Normal	800	Wyoming big sagebrush	20
		Unfavorable	600	Thurber needlegrass	10
				Antelope bitterbrush	10
				Basin wildrye	5
Barnard	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Wyoming big sagebrush	20
		Normal	600	Thurber needlegrass	20
		Unfavorable	500	Antelope bitterbrush	10
				Indian ricegrass	10
				Western juniper	5
				Utah juniper	5
1510*:					
Cagle	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Antelope bitterbrush	10
				Basin wildrye	5
				Bottlebrush squirreltail	5
Nosrac	Loamy, 12-14" p.z. (26-5)	Favorable	1,100	Western needlegrass	25
		Normal	950	Mountain brome	20
		Unfavorable	800	Mountain big sagebrush	15
				Antelope bitterbrush	10
				Basin wildrye	10
				Spike-fescue	5

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1510*:					
Old Camp	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Bottlebrush squirreltail	10
				Green ephedra	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
1521*:					
Duco.					
Yuko	South Slope, 8-12" p.z. (26-11)	Favorable	800	Desert needlegrass	30
		Normal	700	Thurber needlegrass	10
		Unfavorable	600	Green ephedra	10
				Wyoming big sagebrush	10
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
				Littleleaf horsebrush	5
				Douglas rabbitbrush	5
Lemm	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
				Bluebunch wheatgrass	5
1522*:					
Duco.					
Pahrange	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	25
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
Lemm	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
				Bluebunch wheatgrass	5
1530*:					
Bombadil	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	20
		Unfavorable	300	Green ephedra	10
				Thurber needlegrass	5
				Bottlebrush squirreltail	5
				Spiny hopsage	5
Hefed	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Green ephedra	15
				Bottlebrush squirreltail	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
Rubble land.					

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1531*:					
Bombadil	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	20
		Unfavorable	300	Green ephedra	10
				Thurber needlegrass	5
				Bottlebrush squirreltail	5
				Spiny hopsage	5
Hefed	Shallow Stony Loam, 8-10" p.z. (26-22)	Favorable	600	Desert needlegrass	25
		Normal	450	Wyoming big sagebrush	15
		Unfavorable	300	Green ephedra	15
				Bottlebrush squirreltail	10
				Thurber needlegrass	5
				Douglas rabbitbrush	5
				Spiny hopsage	5
Fireball	Gravelly Loam, 6-8" p.z. (27-30)	Favorable	400	Bailey greasewood	30
		Normal	200	Indian ricegrass	15
		Unfavorable	50	Shadscale	15
				Bud sagebrush	10
				Bottlebrush squirreltail	5
1540*:					
McQuarrie	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Western juniper	10
Tristan	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
Arzo	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	20
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
1541*:					
McQuarrie	Juniper Savanna, 10-12" p.z. (26-17)	Favorable	700	Thurber needlegrass	20
		Normal	600	Big sagebrush	20
		Unfavorable	500	Indian ricegrass	10
				Antelope bitterbrush	10
				Western juniper	10
Duco.					
Tristan	Loamy, 10-12 p.z. (26-10)	Favorable	900	Thurber needlegrass	20
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
1550*:					
Skedaddle	Eroded South Slope, 8-10" p.z. (23)	Favorable	300	Purple sage	20
		Normal	200	Desert needlegrass	10
		Unfavorable	150	Antelope bitterbrush	10
				Green ephedra	10
				Bottlebrush squirreltail	5
				Littleleaf horsebrush	5
				Wyoming big sagebrush	5
Pahrange	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	25
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production: Kind of year	Total production: Dry weight	Characteristic vegetation	Composition
			Lb/acre		Pct
1550*:					
Lemm	Loamy, 10-12" p.z. (26-10)	Favorable	900	Thurber needlegrass	25
		Normal	700	Wyoming big sagebrush	15
		Unfavorable	600	Basin wildrye	10
				Antelope bitterbrush	10
				Sandberg bluegrass	5
				Bottlebrush squirreltail	5
				Bluebunch wheatgrass	5
1570*:					
Bluewing	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Bailey greasewood	30
		Normal	200	Shadscale	20
		Unfavorable	50	Indian ricegrass	15
				Bud sagebrush	5
Biddleman	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Bailey greasewood	30
		Normal	200	Indian ricegrass	15
		Unfavorable	50	Shadscale	15
				Galleta	10
				Bottlebrush squirreltail	5
				Bud sagebrush	5
Bundorf	Gravelly Loam, 4-6" p.z. (27-18)	Favorable	400	Shadscale	30
		Normal	300	Indian ricegrass	20
		Unfavorable	200	Bud sagebrush	20
				Bottlebrush squirreltail	5
				Sandberg bluegrass	5
1580*:					
Frodo	Claypan, 10-12" p.z. (26-23)	Favorable	500	Thurber needlegrass	25
		Normal	400	Low sagebrush	15
		Unfavorable	300	Canby bluegrass	10
				Bottlebrush squirreltail	10
				Sandberg bluegrass	5
				Antelope bitterbrush	5
				Douglas rabbitbrush	5
				Littleleaf horsebrush	5
Xman	Claypan, 8-10" p.z. (26-25)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	20
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
Oppio	Claypan, 8-10" p.z. (26-23)	Favorable	400	Thurber needlegrass	25
		Normal	300	Low sagebrush	25
		Unfavorable	200	Bottlebrush squirreltail	15
				Sandberg bluegrass	10
				Littleleaf horsebrush	5
1590 Ruhe	Sandy, 4-8" p.z. (27-9)	Favorable	800	Indian ricegrass	40
		Normal	600	Needleandthread	15
		Unfavorable	400	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5
1600*:					
Wrango	Droughty Loam, 8-10" p.z. (26-24)	Favorable	400	Wyoming big sagebrush	35
		Normal	300	Spiny hopsage	25
		Unfavorable	200	Indian ricegrass	10

See footnote at end of table.

TABLE 5.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued

Soil name and map symbol	Range site name	Total production		Characteristic vegetation	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
1600*:					
Ruhe	Sandy, 4-8" p.z. (27-9)	Favorable	800	Indian ricegrass	40
		Normal	600	Needleandthread	15
		Unfavorable	400	Bailey greasewood	10
				Galleta	5
				Bud sagebrush	5
				Shadscale	5
				Winterfat	5
				Fourwing saltbush	5

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 6.--WOODLAND MANAGEMENT AND PRODUCTIVITY

[Only the soils suitable for production of commercial trees are listed. Absence of an entry indicates that information was not available]

Soil name and map symbol	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Plant competition	Potential productivity: Common trees	Site index	Trees to plant
260*:								
Acrelane	3x	Moderate	Severe	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Rock outcrop.								
262 Acrelane	3x	Moderate	Severe	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
390 Duckhill	6f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	50	Jeffrey pine.
391*:								
Duckhill	6f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	50	Jeffrey pine.
Hirschdale	4r	Moderate	Moderate	Severe	Severe	Jeffrey pine	72	Jeffrey pine.
Fraval	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
752*:								
Toiyabe	5x	Severe	Severe	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Corbett	5o	Moderate	Slight	Moderate	Moderate	Jeffrey pine	70	Jeffrey pine.
Rock outcrop.								
753*:								
Toiyabe	5x	Severe	Severe	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Corbett	5r	Severe	Moderate	Moderate	Moderate	Jeffrey pine	70	Jeffrey pine.
Rock outcrop.								
754*:								
Toiyabe	5x	Severe	Severe	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Rock outcrop.								
756*:								
Toiyabe	5x	Severe	Severe	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Corbett	5o	Moderate	Slight	Moderate	Moderate	Jeffrey pine	70	Jeffrey pine.
Haypress	4x	Severe	Severe	Moderate	Moderate	Jeffrey pine	75	Jeffrey pine.
820, 821 Marla	3w	Slight	Moderate	Moderate	Moderate	Lodgepole pine	90	White fir, Jeffrey pine.
840*:								
Temo	6x	Severe	Severe	Severe	Moderate	Jeffrey pine Western white pine California red fir	45 35 35	Jeffrey pine, western white pine, California red fir.
Witefels.	5s	Severe	Moderate	Moderate	Moderate	Jeffrey pine White fir California red fir	60 60 60	Jeffrey pine, white fir, California red fir.
Rock outcrop.								

See footnote at end of table.

TABLE 6.--WOODLAND MANAGEMENT AND PRODUCTIVITY--Continued

Soil name and map symbol	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Plant competition	Potential productivity: Common trees	Site index	Trees to plant
880*:								
Zephan.								
Rock outcrop.								
Smallcone	7r	Severe	Moderate	Severe	Severe	Jeffrey pine	29	Jeffrey pine.
893*:								
Indiano.								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Cagle	3x	Moderate	Moderate	Moderate	Slight	Singleleaf pinyon Utah juniper	35 35	Singleleaf pinyon, Utah juniper.
894*:								
Indiano.								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Skedaddle.								
895*:								
Indiano.								
Zephan.								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
1060, 1062*:								
Witefels	5s	Severe	Severe	Moderate	Moderate	Jeffrey pine White fir California red fir	60 60 60	Jeffrey pine, white fir, California red fir.
Rock outcrop.								
1080 Inville Variant	3w	Slight	Moderate	Slight	Moderate	Lodgepole pine	70	White fir.
1090 Railcity	4x	Moderate	Moderate	Moderate	Moderate	Jeffrey pine	80	Jeffrey pine.
1091 Railcity	4x	Slight	Moderate	Moderate	Moderate	Jeffrey pine	80	Jeffrey pine.
1100*:								
Graylock	5x	Severe	Severe	Moderate	--------	Lodgepole pine Whitebark pine	60 40	California red fir.
Temo	6x	Severe	Severe	Severe	Moderate	Jeffrey pine Western white pine California red fir	45 35 35	Jeffrey pine, western white pine, California red fir.
Rock outcrop.								
1120, 1121 Apmat	5f	Moderate	Slight	Moderate	Moderate	Jeffrey pine	68	Jeffrey pine.
1183*:								
Haypress	4x	Severe	Severe	Moderate	Moderate	Jeffrey pine	75	Jeffrey pine.
Rock outcrop.								

See footnote at end of table.

TABLE 6.--WOODLAND MANAGEMENT AND PRODUCTIVITY--Continued

Soil name and map symbol	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Plant competition	Potential productivity: Common trees	Site index	Trees to plant
1371*:								
Singatse.								
Flex.								
Acrelane	3x	Moderate	Severe	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
1420*:								
Barshaad.								
Fugawee	4r	Severe	Moderate	Slight	Moderate	California red fir White fir	30 50	Jeffrey pine, California red fir, white fir, western white pine.
Duckhill Variant	7f	Severe	Moderate	Severe	Moderate	Jeffrey pine	40	Jeffrey pine.
1430*:								
Fraval	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Booford.								
Jumbo	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
1431*:								
Fraval	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Hirschdale	4r	Moderate	Moderate	Severe	Severe	Jeffrey pine	72	Jeffrey pine.
Duckhill Variant	7f	Severe	Moderate	Severe	Moderate	Jeffrey pine	40	Jeffrey pine.
1432*:								
Fraval	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
Hirschdale	4r	Moderate	Moderate	Severe	Severe	Jeffrey pine	72	Jeffrey pine.
Jumbo	5f	Severe	Moderate	Moderate	Moderate	Jeffrey pine	62	Jeffrey pine.
1440 Tallac	3f	Moderate	Moderate	Moderate	Slight	Jeffrey pine White fir California red fir	85 60 40	Jeffrey pine, white fir, California red fir, sugar pine, western white pine.
1441 Tallac	3f	Severe	Severe	Moderate	Slight	Jeffrey pine White fir California red fir	85 60 40	Jeffrey pine, white fir, California red fir, sugar pine, western white pine.
1450*:								
Meiss.								
Sibelia	2x	Moderate	Moderate	Moderate	Moderate	Western white pine Whitebark pine California red fir	62 48 30	California red fir.
Rock outcrop.								
1460*:								
Jorge	4f	Moderate	Moderate	Moderate	Moderate	California red fir White fir	30 50	California red fir, white fir, Jeffrey pine, western white pine.

See footnote at end of table.

TABLE 6.--WOODLAND MANAGEMENT AND PRODUCTIVITY--Continued

Soil name and map symbol	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Plant competition	Potential productivity: Common trees	Site index	Trees to plant
1460*:								
Boomtown	5x	Severe	Slight	Moderate	Moderate	White fir California red fir Jeffrey pine	55 40 75	White fir, California red fir, Jeffrey pine.
Fugawee	4x	Moderate	Slight	Slight	Moderate	California red fir White fir	30 50	Jeffrey pine, California red fir, white fir, western white pine.
1470*:								
Carioca	5w	Slight	Moderate	Moderate	Moderate	Lodgepole pine	62	White fir.
Sibelia Variant	5w	Moderate	Moderate	Moderate	Moderate	Lodgepole pine	62	Western white pine.
Fugawee	4x	Severe	Moderate	Slight	Moderate	California red fir White fir	30 50	Jeffrey pine, California red fir, white fir, western white pine.
1480*:								
Macareeno	---	---	---	---	---	Quaking aspen	---	
Blackwell.								
Carioca	5w	Moderate	Moderate	Moderate	Moderate	Lodgepole pine	62	White fir.
1510*:								
Cagle	3x	Moderate	Moderate	Moderate	Slight	Singleleaf pinyon Utah juniper	35 35	Singleleaf pinyon, Utah juniper.
Nosrac.								
Old Camp.								
1520*:								
Duco	2x	Moderate	Moderate	Moderate	Severe	Singleleaf pinyon Utah juniper	54 54	Singleleaf pinyon, Utah juniper.
Smallcone	7r	Severe	Moderate	Severe	Severe	Jeffrey pine	29	Jeffrey pine.
Cagle	3x	Slight	Slight	Moderate	Slight	Singleleaf pinyon Utah juniper	20 20	Singleleaf pinyon, Utah juniper.
1521*:								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Yuko.								
Lemm.								
1522*:								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Pahrange.								
Lemm.								
1541*:								
McQuarrie.								
Duco	3x	Moderate	Moderate	Moderate	Moderate	Utah juniper Western juniper	38 38	Utah juniper, western juniper.
Tristan.								

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS

[The symbol < means less than; > means more than. Absence of an entry indicates that trees generally do not grow to the given height on that soil]

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
101, 102, 106 Aquinas	Common juniper, golden currant.	Lilac, Tatarian honeysuckle.	Rocky Mountain juniper, Russian-olive.	Black locust, common chokecherry.	White poplar, Fremont cottonwood.
111*: Jowec Variant.					
Greenbrae	Forsythia, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Ponderosa pine, honeylocust.	White poplar, American elm.
130 Greenbrae	Common juniper, sierra currant.	American plum, lilac.	Utah juniper, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	Poplar, American elm.
131, 132 Greenbrae	Forsythia, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Ponderosa pine, honeylocust.	White poplar, American elm.
134 Greenbrae	Common juniper, sierra currant.	American plum, lilac.	Utah juniper, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	Poplar, American elm.
136 Greenbrae	Forsythia, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Ponderosa pine, honeylocust.	White poplar, American elm.
140, 141, 142 Haybourne	Skunkbush sumac, common juniper.	Lilac, American plum.	Rocky Mountain juniper, Utah juniper.	Jeffrey pine, ponderosa pine.	Lombardy poplar, poplar.
160 Incy	Forsythia, golden currant.	Tatarian honeysuckle, lilac.	Rocky Mountain juniper, Russian-olive.	Common hackberry, green ash.	Poplar, Fremont cottonwood.
190, 191, 192 Manogue	Redosier dogwood, golden currant.	Lilac, Tatarian honeysuckle.	Russian-olive, Rocky Mountain juniper.	Siberian elm, green ash.	Fremont cottonwood, Lombardy poplar.
200, 201, 202 Northmore	Redosier dogwood, forsythia.	Lilac, Siberian peashrub.	Rocky Mountain juniper, northern white-cedar.	Green ash, honeylocust.	American elm, Lombardy poplar.
230 Cradlebaugh	Common juniper, golden currant.	Arroyo willow, coyote willow.	Russian-olive, silver buffaloberry.	Russian-olive, honeylocust, Siberian elm.	Lombardy poplar, Fremont cottonwood.
240, 241 Updike	Common juniper, big saltbush.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Fremont cottonwood, white willow.
250, 251, 252 Cassiro	Cotoneaster, common juniper.	Lilac, American plum.	Green ash, Utah juniper, Siberian crabapple.	Golden willow, Scotch pine.	Fremont cottonwood, Lombardy poplar.
370 Lemm	Skunkbush sumac, sierra currant.	Siberian peashrub, American plum.	Rocky Mountain juniper, singleleaf pinyon.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
401, 403 Jubilee Variant	Big saltbush, common juniper.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Fremont cottonwood, Lombardy poplar.
410, 411 Ophir	Cotoneaster, redosier dogwood.	Siberian peashrub, lilac.	Rocky Mountain juniper, Russian-olive.	Golden willow, narrowleaf cottonwood.	White poplar, white willow.
423 Godecke Variant	Big saltbush, common juniper.	Lilac, coyote willow.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Eastern cottonwood, Lombardy poplar.
430 Sagouspe Variant	Cotoneaster, redosier dogwood.	Amur honeysuckle, lilac.	Rocky Mountain juniper, Russian-olive.	Golden willow, narrowleaf cottonwood.	White poplar, Fremont cottonwood.
440, 441, 442, 443, 445 Jubilee	Cotoneaster, redosier dogwood.	Amur honeysuckle, lilac.	Rocky Mountain juniper, Russian-olive.	Green ash, golden willow.	Fremont cottonwood, Lombardy poplar.
450 Voltaire	Big saltbush, fourwing saltbush.	Arroyo willow, coyote willow.	Russian-olive, silver buffaloberry.	Green ash, golden willow.	Robusta cottonwood, poplar.
451, 452 Voltaire	Fourwing saltbush, big saltbush.	Arroyo willow, coyote willow.	Russian-olive, silver buffaloberry.	Golden willow, narrowleaf cottonwood.	Fremont cottonwood, poplar.
454 Voltaire	Cotoneaster, golden currant.	American plum, Utah serviceberry, Siberian peashrub.	Siberian crabapple, hawthorn.	Jeffrey pine, green ash.	Lombardy poplar, robusta cottonwood.
455*:					
Voltaire	Cotoneaster, golden currant.	American plum, Utah serviceberry, Siberian peashrub.	Siberian crabapple, hawthorn.	Jeffrey pine, green ash.	Lombardy poplar, robusta cottonwood.
Truckee	Forsythia, common juniper.	Autumn-olive, lilac.	Rocky Mountain juniper, Russian-olive.	Siberian elm, honeylocust.	American elm, Fremont cottonwood.
456 Voltaire	Common juniper, golden currant.	Arroyo willow, coyote willow.	Russian-olive, silver buffaloberry.	Common chokecherry, golden willow.	Lombardy poplar, poplar.
460, 461 Surprise	Skunkbush sumac, golden currant.	American plum, Amur maple.	Rocky Mountain juniper, Utah juniper.	Common chokecherry, green ash.	American elm, poplar.
470 Dalzell	Big saltbush, common juniper.	Arroyo willow, lilac.	Rocky Mountain juniper, Russian-olive.	Golden willow, Siberian elm.	Fremont cottonwood, white poplar.
480, 482 Holbrook	Skunkbush sumac, snowbrush ceanothus.	Rocky Mountain juniper, American plum.	Jeffrey pine, Siberian crabapple, Utah juniper.	Narrowleaf cottonwood.	Lombardy poplar.
494 Graufels	Desert bitterbrush, golden currant.	Lilac, American plum.	Rocky Mountain juniper, Siberian crabapple.	Black locust, common chokecherry.	American elm, Lombardy poplar.

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
495*:					
Graufels	Desert bitterbrush, golden currant.	Lilac, American plum.	Rocky Mountain juniper, Siberian crabapple.	Black locust, common chokecherry.	American elm, Lombardy poplar.
Glenbrook.					
Rock outcrop.					
500, 504, 505----- Mottsville	Skunkbush sumac, common juniper.	Flowering crabapple, American plum.	Rocky Mountain juniper, Utah juniper.	Siberian elm, Jeffrey pine.	Lombardy poplar, Fremont cottonwood.
510---------- Settlemeyer	Golden currant, cotoneaster.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Fremont cottonwood, Lombardy poplar.
513*:					
Settlemeyer------	Golden currant, cotoneaster.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Fremont cottonwood, Lombardy poplar.
Notus----------	Peking cotoneaster, redosier dogwood.	Siberian peashrub, honeysuckle.	Rocky Mountain juniper, Russian-olive.	Golden willow, narrowleaf cottonwood.	Poplar.
514---------- Settlemeyer	Golden currant, cotoneaster.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	White mulberry, Siberian elm.	Fremont cottonwood, Lombardy poplar.
520---------- Dressler	Peking cotoneaster, common juniper.	Siberian peashrub, arroyo willow.	Russian-olive, silver buffaloberry.	Golden willow, Siberian elm.	White poplar, Lombardy poplar.
530, 531---------- Sagouspe	Golden currant, common juniper.	Lilac, Siberian peashrub.	Rocky Mountain juniper, Utah juniper.	Common chokecherry, green ash.	Fremont cottonwood, poplar.
532---------- Sagouspe	Redosier dogwood, fourwing saltbush.	Arroyo willow, coyote willow.	Russian-olive, silver buffaloberry.	Golden willow, narrowleaf cottonwood.	Fremont cottonwood, poplar.
550, 551, 553----- Leviathan	Forsythia, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, hawthorn.	Ponderosa pine, honeylocust.	Poplar, American elm.
570---------- Turria	Common juniper, golden currant.	American plum, Amur honeysuckle.	Rocky Mountain juniper, Siberian crabapple.	Blue spruce, green ash.	American elm, poplar.
590, 591---------- Springmeyer	Forsythia, redosier dogwood.	Lilac, American plum.	Utah juniper, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	White poplar, American elm.
595---------- Springmeyer	Forsythia, redosier dogwood.	Lilac, American plum.	Russian-olive, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	White poplar, American elm.
600, 601---------- Idlewild	Cotoneaster, redosier dogwood.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	Golden willow, white mulberry.	Fremont cottonwood, poplar.
602---------- Idlewild	Peking cotoneaster, golden currant.	Siberian peashrub, lilac.	Rocky Mountain juniper, common chokecherry.	Golden willow, green ash.	Poplar, Fremont cottonwood.
620, 621, 622, 623, 624--------- Orr	Cotoneaster, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Ponderosa pine, honeylocust.	White poplar, American elm.

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
630, 631, 632 Fleischmann	Common juniper, cotoneaster.	Siberian peashrub, lilac.	Rocky Mountain juniper, hawthorn.	Siberian elm, honeylocust.	American elm, Fremont cottonwood.
640 Notus	Peking cotoneaster, redosier dogwood.	Siberian peashrub, honeysuckle.	Rocky Mountain juniper, Russian-olive.	Golden willow	Poplar.
660, 661, 662, 663, 664 Oest	Golden currant, skunkbush sumac.	American plum, lilac.	Russian-olive, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	White poplar, American elm.
669 Oest	Golden currant, skunkbush sumac.	American plum, lilac.	Russian-olive, Rocky Mountain juniper.	Ponderosa pine, honeylocust.	White poplar, American elm.
670, 671 Galeppi	Golden currant, redosier dogwood.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Green ash, black locust.	American elm, Lombardy poplar.
780 Bieber	Common juniper, sierra currant.	Autumn-olive, Siberian peashrub.	Rocky Mountain juniper, Utah juniper.	Honeylocust, green ash.	Lombardy poplar, poplar.
782. Bieber					
800 Truckee	Redosier dogwood, cotoneaster.	Lilac, Amur honeysuckle.	Russian-olive, Rocky Mountain juniper.	White mulberry, golden willow.	Fremont cottonwood, Lombardy poplar.
802 Truckee	Cotoneaster, golden currant.	Lilac, Amur honeysuckle.	Russian-olive, Rocky Mountain juniper.	White mulberry, golden willow.	Fremont cottonwood, Lombardy poplar.
805 Truckee	Cotoneaster, redosier dogwood.	Lilac, Amur honeysuckle.	Russian-olive, Rocky Mountain juniper.	Siberian elm, golden willow.	Fremont cottonwood, Lombardy poplar.
806 Truckee	Cotoneaster, golden currant.	Lilac, Amur honeysuckle.	Russian-olive, Rocky Mountain juniper.	White mulberry, golden willow.	Fremont cottonwood, Lombardy poplar.
810, 812, 813 Rose Creek	Cotoneaster, desert bitterbrush.	Lilac, Siberian peashrub.	Russian-olive, Utah juniper.	Green ash, golden willow.	Lombardy poplar, robusta cottonwood.
850 Washoe	Forsythia, golden currant.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Ponderosa pine, honeylocust.	Poplar, American elm.
910, 911 Vamp	Golden currant, sierra currant.	Coyote willow, arroyo willow.	Russian-olive, silver buffaloberry.	Narrowleaf cottonwood, Siberian elm.	Poplar, robusta cottonwood.
960, 961 Kayo	Cotoneaster, golden currant.	American plum, flowering crabapple.	Rocky Mountain juniper, Russian-olive.	Green ash, Scotch pine.	Lombardy poplar, American elm.
971, 974 Aladshi	Golden currant, redosier dogwood.	Lilac, autumn-olive.	Rocky Mountain juniper, Russian-olive.	Green ash, black locust.	American elm, Lombardy poplar.
1040, 1041 Orr Variant	Common juniper, golden currant.	American plum, lilac.	Rocky Mountain juniper, Russian-olive.	Honeylocust, green ash.	Lombardy poplar, poplar.

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
1054---------- Waspo	Common juniper, golden currant.	Lilac, Siberian peashrub.	Rocky Mountain juniper, Russian-olive.	Black locust, common chokecherry.	Lombardy poplar, white willow.
1080---------- Inville Variant	Cotoneaster, redosier dogwood.	Arroyo willow, lilac.	Russian-olive, Rocky Mountain juniper.	Golden willow, green ash.	White poplar, robusta cottonwood.
1130---------- Dithod	Golden currant, common juniper.	Lilac, Siberian peashrub.	Rocky Mountain juniper, Utah juniper.	Green ash, common chokecherry.	Poplar.
1141, 1142, 1143-- Bedell	Skunkbush sumac, redosier dogwood.	Lilac, Tatarian honeysuckle.	Rocky Mountain juniper, Russian-olive.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.
1170, 1171, 1172-- Wedertz	Common juniper, sierra currant.	Lilac, American plum.	Rocky Mountain juniper, Utah	Green ash, golden willow.	Poplar, Lombardy poplar.
1190, 1191, 1192, 1193, 1194------- Spasprey	Forsythia, redosier dogwood.	Lilac, Siberian peashrub.	Russian-olive, Rocky Mountain juniper.	Green ash, golden willow.	American elm, Lombardy poplar.
1200---------- Mellor	Fourwing saltbush, big saltbush.	Arroyo willow, Siberian peashrub.	Rocky Mountain juniper, Russian-olive.	Siberian elm, white mulberry.	White willow, Lombardy poplar.
1210---------- Linhart	Skunkbush sumac, golden currant.	Bladdersenna, lilac.	Rocky Mountain juniper, Russian-olive.	Siberian elm, Jeffrey pine.	White willow, American elm.
1220---------- Calpine	Skunkbush sumac, redosier dogwood.	Lilac, Siberian peashrub.	Rocky Mountain juniper, northern white-cedar.	Green ash, honeylocust.	American elm, Lombardy poplar.
1240---------- Pizene	Big saltbush, redosier dogwood.	Arroyo willow, coyote willow.	Russian mulberry, Russian-olive.	Black locust, golden willow.	Fremont cottonwood, Lombardy poplar.
1270*:					
Tristan.					
Indiano.					
Lemm----------	Skunkbush sumac, sierra currant.	Siberian peashrub, American plum.	Rocky Mountain juniper, singleleaf pinyon.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.
1300, 1301-------- Rose Creek Variant	Common juniper, golden currant.	Lilac, oneseed juniper.	Rocky Mountain juniper, Utah juniper.	Common chokecherry, green ash.	Fremont cottonwood, poplar.
1310---------- Bango	Golden currant, common juniper.	Lilac, oneseed juniper.	Utah juniper, Russian-olive.	Common chokecherry, green ash.	Lombardy poplar, poplar.
1340*:					
Hawsley----------	Common juniper, sierra currant.	Arroyo willow, lilac.	American plum, Rocky Mountain juniper.	Utah juniper------	Black locust, Siberian elm, Fremont cottonwood.
Ruhe.					
Bluewing.					

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
1341*:					
Isolde	Pyracantha, fourwing saltbush.	Coyote willow, Tatarian honeysuckle.	Utah juniper, Russian-olive.	Green ash, Scotch pine.	Fremont cottonwood, Lombardy poplar.
Dune land.					
1342*:					
Isolde	Pyracantha, fourwing saltbush.	Coyote willow, Tatarian honeysuckle.	Utah juniper, Russian-olive.	Green ash, Scotch pine.	Fremont cottonwood, Lombardy poplar.
Playas.					
1344*:					
Isolde	Pyracantha, fourwing saltbush.	Coyote willow, Tatarian honeysuckle.	Utah juniper, Russian-olive.	Green ash, Scotch pine.	Fremont cottonwood, Lombardy poplar.
Toulon.					
1345 Hawsley	Common juniper, sierra currant.	Arroyo willow, lilac.	American plum, Rocky Mountain juniper.	Utah juniper	Black locust, Siberian elm, Fremont cottonwood.
1350*:					
Stumble	Common juniper, golden currant.	American plum, oneseed juniper.	Russian-olive, Rocky Mountain juniper.	Green ash, narrowleaf cottonwood.	Golden willow, Athel, American elm, Siouxland cottonwood.
Ruhe.					
Bluewing.					
1351 Stumble	Common juniper, golden currant.	American plum, oneseed juniper.	Russian-olive, Rocky Mountain juniper.	Green ash, narrowleaf cottonwood.	Golden willow, Athel, American elm, Siouxland cottonwood.
1360*:					
Trocken.					
Stumble	Common juniper, golden currant.	American plum, oneseed juniper.	Russian-olive, Rocky Mountain juniper.	Green ash, narrowleaf cottonwood.	Golden willow, Athel, American elm, Siouxland cottonwood.
Bluewing.					
1372*:					
Isolde	Pyracantha, fourwing saltbush.	Coyote willow, fourwing saltbush, Tatarian honeysuckle.	Utah juniper, Russian-olive.	Green ash, Scotch pine.	Fremont cottonwood, Lombardy poplar.
1521*:					
Duco.					
Yuko.					
Lemm	Skunkbush sumac, sierra currant.	Siberian peashrub, American plum.	Rocky Mountain juniper, singleleaf pinyon.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.

See footnote at end of table.

TABLE 7.--WINDBREAKS AND ENVIRONMENTAL PLANTINGS--Continued

Soil name and map symbol	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
1522*:					
Duco.					
Pahrange.					
Lemm	Skunkbush sumac, sierra currant.	Siberian peashrub, American plum.	Rocky Mountain juniper, singleleaf pinyon.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.
1550*:					
Skedaddle.					
Pahrange.					
Lemm	Skunkbush sumac, sierra currant.	Siberian peashrub, American plum.	Rocky Mountain juniper, singleleaf pinyon.	Siberian elm, Jeffrey pine.	American elm, Lombardy poplar.
1570*:					
Bluewing.					
Biddleman	Fourwing saltbush, common juniper.	Siberian peashrub, oneseed juniper.	Russian-olive	Utah juniper, narrowleaf cottonwood.	Siberian elm, poplar, Fremont cottonwood.
Bundorf.					

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 8.--RECREATIONAL DEVELOPMENT

[Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," and "severe." Absence of an entry indicates that the soil was not rated]

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
101 Aquinas	Slight	Slight	Severe: slope.	Slight.
102, 106 Aquinas	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
110 Jowec Variant	Moderate: percs slowly.	Moderate: percs slowly.	Severe: slope.	Slight.
111*:				
Jowec Variant	Moderate: slope, percs slowly.	Moderate: slope, percs slowly.	Severe: slope.	Slight.
Greenbrae	Slight	Slight	Severe: slope.	Slight.
120 Doten	Severe: flooding, too clayey, excess salt.	Severe: too clayey, excess salt.	Severe: too clayey, excess salt.	Severe: too clayey.
121 Doten	Severe: too clayey, excess salt.	Severe: too clayey, excess salt.	Severe: slope, too clayey, excess salt.	Severe: too clayey.
130, 131 Greenbrae	Slight	Slight	Slight	Slight.
132 Greenbrae	Slight	Slight	Moderate: slope.	Slight.
134, 136 Greenbrae	Slight	Slight	Severe: slope.	Slight.
140 Haybourne	Severe: flooding.	Slight	Moderate: slope, small stones.	Slight.
141 Haybourne	Severe: flooding.	Slight	Severe: slope.	Slight.
142 Haybourne	Severe: flooding.	Moderate: slope.	Severe: slope.	Slight.
150, 151 Doten Variant	Severe: percs slowly, too clayey, excess salt.	Severe: too clayey, excess salt, percs slowly.	Severe: too clayey, percs slowly, excess salt.	Severe: too clayey, erodes easily.
160 Incy	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.
161 Incy	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: too sandy.
171 Indian Creek	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Slight.
172, 173 Indian Creek	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan, slope.	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
174 Indian Creek	Severe: large stones, cemented pan.	Severe: large stones, cemented pan.	Severe: large stones, small stones.	Severe: large stones.
175 Indian Creek	Severe: large stones, cemented pan.	Severe: large stones, cemented pan.	Severe: cemented pan, slope.	Severe: large stones.
176*:				
Indian Creek	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: large stones.
Reno	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Severe: large stones.
Washoe	Severe: large stones.	Severe: large stones.	Severe: large stones, slope, small stones.	Severe: large stones.
190 Manogue	Moderate: large stones, small stones.	Moderate: large stones, too clayey.	Severe: large stones, small stones.	Moderate: too clayey.
191 Manogue	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, too clayey.	Severe: large stones, slope, small stones.	Moderate: too clayey.
192 Manogue	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: too clayey, slope.
200 Northmore	Slight	Slight	Moderate: small stones.	Slight.
201 Northmore	Slight	Slight	Moderate: slope, small stones.	Slight.
202 Northmore	Slight	Slight	Severe: slope.	Slight.
203 Northmore	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
210, 211 Luppino	Severe: depth to rock.	Severe: depth to rock.	Severe: slope, small stones, depth to rock.	Slight.
221 Oppio	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.
222 Oppio	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
223*:				
Oppio	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.
Rezave	Severe: large stones, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope, depth to rock.	Moderate: large stones.
Rock outcrop.				
230 Cradlebaugh	Severe: flooding, wetness.	Moderate: wetness, excess salt, percs slowly.	Severe: wetness.	Moderate: wetness.
240 Updike	Moderate: percs slowly, dusty.	Moderate: percs slowly, dusty.	Moderate: small stones, percs slowly, dusty.	Severe: erodes easily.
241 Updike	Severe: flooding.	Moderate: percs slowly, dusty.	Moderate: small stones, percs slowly, dusty.	Severe: erodes easily.
250 Cassiro	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
251 Cassiro	Moderate: small stones.	Moderate: small stones.	Severe: slope, small stones.	Slight.
252 Cassiro	Moderate: slope, small stones.	Moderate: slope, small stones.	Severe: slope, small stones.	Slight.
260*:				
Acrelane	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Rock outcrop.				
262 Acrelane	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones.
280 Wedekind	Severe: depth to rock.	Severe: depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: dusty.
281 Wedekind	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope, dusty.
282 Wedekind	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
290 Verdico Variant	Moderate: slope, percs slowly.	Moderate: slope, percs slowly.	Severe: slope.	Slight.
291 Verdico Variant	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: slope.
300 Surgem	Severe: small stones.	Severe: small stones.	Severe: slope, small stones.	Slight.
301*:				
Surgem	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Moderate: slope.
Rock outcrop.				
302*:				
Surgem	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope.
Rock outcrop.				
310*:				
Risley	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Moderate: dusty.
Rock outcrop.				
311*:				
Risley	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope, dusty.
Rock outcrop.				
312 Risley	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: large stones, slope.
313 Risley	Moderate: slope, large stones.	Moderate: slope, large stones.	Severe: large stones, slope.	Moderate: large stones.
314*:				
Risley	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope, dusty.
Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
Rock outcrop.				
341 Yuko	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Moderate: slope, dusty.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
342*:				
Yuko	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
Reywat	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope.
Rock outcrop.				
350 Mizel	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
351*:				
Mizel	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
Skedaddle	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Rock outcrop.				
360*. Pits				
370 Lemm	Severe: small stones.	Severe: small stones.	Severe: slope, small stones.	Slight.
390 Duckhill	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.
391*:				
Duckhill	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.
Hirschdale	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Fraval	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: large stones, slope.
400 Jubilee Variant	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Moderate: wetness.
401, 403 Jubilee Variant	Severe: flooding.	Moderate: wetness, excess salt.	Moderate: wetness, excess salt.	Moderate: wetness.
410 Ophir	Moderate: wetness.	Moderate: wetness.	Moderate: slope, small stones, wetness.	Moderate: wetness.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
411 Ophir	Moderate: wetness.	Moderate: wetness.	Moderate: small stones, wetness.	Moderate: wetness.
420 Godecke	Severe: excess sodium, excess salt.	Severe: excess sodium, excess salt.	Severe: excess sodium, excess salt.	Slight.
423 Godecke Variant	Moderate: percs slowly, excess salt.	Moderate: excess salt, percs slowly.	Moderate: percs slowly, excess salt.	Slight.
430, 431 Sagouspe Variant	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness, erodes easily.
440 Jubilee	Moderate: wetness.	Moderate: wetness.	Moderate: wetness, slope.	Moderate: wetness.
441 Jubilee	Moderate: wetness.	Moderate: wetness.	Moderate: wetness, slope.	Moderate: wetness.
442 Jubilee	Moderate: wetness, too sandy.	Moderate: wetness, too sandy.	Severe: small stones, too sandy, slope.	Moderate: wetness, too sandy.
443 Jubilee	Moderate: wetness, too sandy.	Moderate: wetness, too sandy.	Moderate: wetness, too sandy, slope.	Moderate: wetness, too sandy.
445 Jubilee	Severe: flooding.	Slight	Moderate: small stones.	Slight.
450, 451 Voltaire	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.
452 Voltaire	Severe: flooding, wetness, excess sodium.	Severe: wetness, excess sodium, excess salt.	Severe: wetness, excess sodium, excess salt.	Severe: wetness.
454 Voltaire	Severe: flooding, too clayey.	Severe: too clayey.	Severe: too clayey.	Severe: too clayey.
455*:				
Voltaire	Severe: flooding, too clayey.	Severe: too clayey.	Severe: too clayey.	Severe: too clayey.
Truckee	Severe: flooding.	Moderate: excess salt, dusty.	Moderate: dusty, excess salt.	Severe: erodes easily.
456 Voltaire	Severe: flooding.	Moderate: percs slowly.	Moderate: percs slowly.	Severe: erodes easily.
460 Surprise	Severe: flooding.	Slight	Moderate: slope, small stones.	Slight.
461 Surprise	Severe: flooding.	Slight	Severe: slope.	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
470 Dalzell	Severe: excess salt.	Severe: excess salt.	Severe: excess salt.	Slight.
480 Holbrook	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.
482 Holbrook	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, small stones.	Moderate: large stones.
490 Graufels	Severe: too sandy.	Severe: too sandy.	Severe: slope.	Severe: too sandy.
491*:				
Graufels	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope.	Severe: too sandy.
Rock outcrop.				
492 Graufels	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope.	Severe: too sandy.
493*:				
Graufels	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Glenbrook	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: too sandy.
494 Graufels	Moderate: too sandy.	Moderate: too sandy.	Severe: slope, small stones.	Moderate: too sandy.
495*:				
Graufels	Moderate: too sandy.	Moderate: too sandy.	Severe: slope, small stones.	Moderate: too sandy.
Glenbrook	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: too sandy.
Rock outcrop.				
496*:				
Graufels	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Glenbrook	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: too sandy, slope.
Haypress	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
500 Mottsville	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.
504 Mottsville	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
505 Mottsville	Severe: too sandy.	Severe: too sandy.	Severe: slope, small stones, too sandy.	Severe: too sandy.
510 Settlemeyer	Severe: flooding, wetness.	Moderate: wetness, percs slowly.	Severe: wetness.	Moderate: wetness.
513*:				
Settlemeyer	Severe: flooding, wetness.	Moderate: wetness, percs slowly.	Severe: wetness.	Moderate: wetness.
Notus	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.
514 Settlemeyer	Severe: flooding, wetness.	Moderate: wetness, small stones, percs slowly.	Severe: small stones, wetness.	Moderate: wetness.
520 Dressler	Severe: flooding.	Slight	Moderate: slope, small stones.	Slight.
530 Sagouspe	Severe: flooding, too sandy.	Severe: too sandy.	Slight	Severe: too sandy.
531 Sagouspe	Severe: flooding.	Slight	Slight	Slight.
532 Sagouspe	Severe: flooding, too sandy.	Severe: too sandy.	Severe: small stones, too sandy.	Severe: too sandy.
550, 551 Leviathan	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
553 Leviathan	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
554 Leviathan	Moderate: large stones.	Moderate: large stones.	Severe: large stones, small stones.	Slight.
557 Leviathan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope
559 Leviathan	Severe: large stones.	Severe: large stones.	Severe: large stones, small stones.	Moderate: large stones.
570 Turria	Severe: flooding.	Moderate: dusty.	Moderate: dusty.	Severe: erodes easily.
585*:				
Barnard	Slight	Slight	Moderate: large stones, slope, small stones	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
585*:				
Trosi	Severe: cemented pan.	Severe: slope, cemented pan.	Severe: large stones, slope, cemented pan.	Moderate: large stones.
590 Springmeyer	Slight	Slight	Moderate: small stones.	Slight.
591 Springmeyer	Slight	Slight	Moderate: slope, small stones.	Slight.
595 Springmeyer	Slight	Slight	Moderate: small stones.	Slight.
600, 601 Idlewild	Slight	Slight	Slight	Slight.
602 Idlewild	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.
612 Verdico	Moderate: percs slowly.	Moderate: percs slowly.	Severe: large stones, slope.	Slight.
613 Verdico	Moderate: slope, percs slowly.	Moderate: slope, percs slowly.	Severe: large stones, slope.	Moderate: large stones.
614 Verdico	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: large stones, slope.
615 Verdico	Moderate: percs slowly.	Moderate: percs slowly.	Severe: slope.	Slight.
620 Orr	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
621 Orr	Moderate: small stones.	Moderate: small stones.	Severe: slope, small stones.	Slight.
622 Orr	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
623 Orr	Slight	Slight	Moderate: small stones.	Slight.
624 Orr	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
630 Fleischmann	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
631 Fleischmann	Moderate: small stones.	Moderate: small stones.	Severe: slope, small stones.	Slight.
632 Fleischmann	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: dusty.
640 Notus	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
650 Chalco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Moderate: large stones, slope.
651 Chalco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
652 Chalco	Severe: depth to rock.	Severe: depth to rock.	Severe: slope, small stones.	Moderate: large stones.
653 Chalco	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones.
654*:				
Chalco	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones.
Celeton Variant	Severe: small stones, depth to rock.	Severe: small stones, depth to rock.	Severe: small stones, depth to rock.	Slight.
660, 661 Oest	Moderate: small stones.	Moderate: small stones.	Severe: large stones, small stones.	Slight.
662 Oest	Moderate: small stones.	Moderate: small stones.	Severe: large stones, small stones.	Moderate: large stones.
663 Oest	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: small stones.
664 Oest	Severe: small stones.	Severe: small stones.	Severe: slope, small stones.	Severe: small stones.
668 Oest	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
669 Oest	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
670 Galeppi	Slight	Slight	Severe: slope.	Slight.
671 Galeppi	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
673 Galeppi	Severe: slope.	Severe: slope.	Severe: slope.	Moderate: slope.
674 Galeppi	Moderate: large stones, slope.	Moderate: large stones, slope.	Severe: slope, large stones.	Moderate: large stones.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
676*:				
Galeppi	Moderate: slope, large stones.	Moderate: slope, large stones.	Severe: large stones, slope.	Moderate: large stones.
Barnard	Slight	Slight	Moderate: large stones, slope, small stones.	Slight.
681 Reno	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Severe: large stones.
683 Reno	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Moderate: large stones.
730 Stodick	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Moderate: slope, dusty.
731 Stodick	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope.
740 Blackwell	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.
752*:				
Toiyabe	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy.
Corbett	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: large stones, slope, small stones.	Severe: too sandy.
Rock outcrop.				
753*:				
Toiyabe	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Corbett	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Rock outcrop.				
754*:				
Toiyabe	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Rock outcrop.				

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
756*:				
Toiyabe	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Corbett	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: large stones, slope, small stones.	Severe: too sandy.
Haypress	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
772 Booford	Moderate: slope, large stones, percs slowly.	Moderate: slope, large stones, percs slowly.	Severe: large stones, slope.	Moderate: large stones.
775 Booford	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: slope, erodes easily.
780 Bieber	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Moderate: large stones.
782 Bieber	Severe: cemented pan.	Severe: cemented pan.	Severe: slope, cemented pan.	Moderate: large stones.
800 Truckee	Severe: flooding.	Moderate: dusty.	Moderate: dusty.	Severe: erodes easily.
802 Truckee	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Severe: erodes easily.
805, 806 Truckee	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Slight.
810, 812 Rose Creek	Severe: flooding.	Slight	Moderate: small stones.	Slight.
813 Rose Creek	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.
820 Marla	Severe: flooding, wetness.	Moderate: wetness.	Severe: slope, wetness.	Moderate: wetness.
821 Marla	Severe: flooding, wetness.	Moderate: wetness.	Severe: wetness.	Moderate: wetness.
830 Fettic	Severe: flooding, excess sodium, excess salt.	Severe: excess sodium, excess salt.	Severe: excess sodium, excess salt.	Severe: erodes easily.
831 Fettic	Severe: flooding, excess sodium, excess salt.	Severe: excess sodium, excess salt.	Severe: excess sodium, excess salt.	Moderate: wetness.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
840*:				
Temo	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Witefels	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope, small stones, too sandy.	Severe: too sandy, slope.
Rock outcrop.				
850 Washoe	Slight	Slight	Severe: small stones.	Slight.
861 Reywat	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones.
862 Reywat	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, depth to rock.	Severe: large stones.
863*:				
Reywat	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope.
Rock outcrop.				
870*:				
Xman	Severe: large stones, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope, small stones.	Severe: large stones.
Rock outcrop.				
871 Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
872 Xman	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones.
873*:				
Xman	Severe: slope, large stones, depth to rock.	Severe: slope, large stones, depth to rock.	Severe: large stones, slope, small stones.	Severe: large stones, slope.
Rock outcrop.				
875*:				
Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Zephan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
875*:				
Mizel	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
876*:				
Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Oppio	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Old Camp	Severe: slope, depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones, slope.
877*:				
Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Frodo	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
Mizel	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
880*:				
Zephan	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope.
Rock outcrop.				
Smallcone	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
881 Zephan	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope.
882 Zephan	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
890 Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope, dusty.
891 Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
892*:				
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Koontz	Severe: slope, depth to rock.	Severe: slope.	Severe: slope, depth to rock.	Severe: slope.
Flex	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.
893*:				
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Cagle	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: large stones, slope.
894*:				
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Skedaddle	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
895*:				
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
Zephan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
900 Flex	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
901 Flex	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
903 Flex	Severe: small stones, depth to rock.	Severe: small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Slight.
910 Vamp	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Slight.
911 Vamp	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Severe: erodes easily.
930 Old Camp	Severe: slope, depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones.
931*:				
Old Camp extremely stony	Severe: slope, depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones, slope.
Old Camp stony	Severe: slope, depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones.
Rock outcrop.				
932 Old Camp	Severe: depth to rock, large stones.	Severe: depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones.
960 Kayo	Severe: flooding, small stones.	Severe: small stones.	Severe: small stones.	Slight.
961 Kayo	Severe: flooding, small stones.	Severe: small stones.	Severe: slope, small stones.	Slight.
962 Kayo	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Slight.
963 Kayo	Severe: flooding, slope, small stones.	Severe: slope, small stones.	Severe: large stones, slope, small stones.	Moderate: slope.
971 Aladshi	Severe: flooding.	Slight	Moderate: slope, small stones.	Slight.
974 Aladshi	Severe: flooding.	Moderate: small stones.	Severe: slope, small stones.	Slight.
980 Koontz	Severe: depth to rock.	Severe: depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: dusty.
982 Koontz	Severe: slope, depth to rock.	Severe: slope.	Severe: slope, depth to rock.	Moderate: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
990*. Rock outcrop				
991*: Xeric Torriorthents.				
Urban land.				
992*. Playas				
993*. Haplaquolls				
994*: Badland.				
Chalco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Moderate: large stones, slope.
Verdico	Moderate: slope, percs slowly.	Moderate: slope, percs slowly.	Severe: large stones, slope.	Moderate: large stones.
996*: Dune land.				
Playas.				
997*. Badland				
998*. Beaches				
1010 Gabica	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: small stones, depth to rock.	Severe: small stones.
1040 Orr Variant	Severe: flooding.	Moderate: small stones.	Severe: small stones.	Slight.
1041 Orr Variant	Severe: flooding.	Slight	Moderate: small stones.	Slight.
1050 Waspo	Severe: slope, percs slowly, too clayey.	Severe: slope, too clayey, percs slowly.	Severe: slope, too clayey.	Severe: too clayey.
1051 Waspo	Severe: slope, percs slowly, too clayey.	Severe: slope, too clayey, percs slowly.	Severe: slope, too clayey.	Severe: too clayey, slope.
1052*: Waspo	Severe: slope, percs slowly, too clayey.	Severe: slope, too clayey, percs slowly.	Severe: slope, too clayey.	Severe: too clayey, slope.
Rock outcrop.				

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1054 Waspo	Severe: percs slowly, too clayey.	Severe: too clayey, percs slowly.	Severe: small stones, too clayey.	Severe: too clayey.
1060*:				
Witefels	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: too sandy.
Rock outcrop.				
1062*:				
Witefels	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: too sandy, slope.
Rock outcrop.				
1080 Inville Variant	Severe: flooding.	Moderate: small stones, percs sloely.	Severe: small stones.	Slight.
1090 Railcity	Severe: slope, too sandy.	Severe: slope, too sandy.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
1091 Railcity	Severe: too sandy.	Severe: too sandy.	Severe: large stones, slope, small stones.	Severe: too sandy.
1100*:				
Graylock	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Temo	Severe: slope, too sandy, depth to rock.	Severe: slope, too sandy, depth to rock.	Severe: large stones, slope, small stones.	Severe: too sandy, slope.
Rock outcrop.				
1120 Apmat	Severe: too sandy.	Severe: too sandy.	Moderate: slope, small stones.	Severe: too sandy.
1121 Apmat	Slight	Slight	Severe: small stones.	Slight.
1130 Dithod	Severe: flooding.	Slight	Moderate: small stones.	Slight.
1141 Bedell	Severe: flooding.	Slight	Moderate: slope, small stones.	Slight.
1142 Bedell	Severe: flooding.	Slight	Severe: slope.	Slight.
1143 Bedell	Severe: flooding.	Moderate: slope.	Severe: slope.	Slight.
1160, 1161 Jowec	Severe: flooding.	Slight	Slight	Severe: erodes easily.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1170 Wedertz	Severe: flooding.	Slight	Moderate: slope.	Slight.
1171 Wedertz	Severe: flooding.	Slight	Severe: slope.	Slight.
1172 Wedertz	Severe: flooding, too sandy.	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.
1181*:				
Haypress	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Tanob	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: too sandy, slope.
Rock outcrop.				
1182*:				
Haypress	Severe: slope, large stones.	Severe: slope, large stones.	Severe: large stones, slope, small stones.	Severe: slope, large stones.
Tanob	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: too sandy, slope.
Rock outcrop.				
1183*:				
Haypress	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Rock outcrop.				
1190 Spasprey	Slight	Slight	Slight	Slight.
1191 Spasprey	Slight	Slight	Moderate: slope.	Slight.
1192 Spasprey	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.
1193, 1194 Spasprey	Slight	Slight	Severe: slope.	Slight.
1200 Mellor	Severe: excess salt.	Severe: excess salt.	Severe: excess salt.	Severe: erodes easily.
1210 Linhart	Severe: flooding, small stones.	Severe: small stones.	Severe: small stones, slope.	Slight.
1211 Linhart	Severe: flooding, slope, small stones.	Severe: small stones, slope.	Severe: small stones, slope.	Moderate: slope.
1220 Calpine	Slight	Slight	Severe: slope.	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1240 Pizene	Slight	Slight	Moderate: slope.	Slight.
1250 Rednik	Severe: flooding, small stones.	Severe: small stones.	Severe: slope, small stones.	Slight.
1251 Rednik	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.
1260*:				
Thulepah	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
Mosquet	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: small stones, slope.	Moderate: large stones, slope.
1270*:				
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Lemm	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
1271*:				
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Barshaad	Severe: percs slowly.	Severe: percs slowly.	Severe: large stones, slope, percs slowly.	Moderate: large stones.
Arzo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
1272*:				
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Arzo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
Reywat	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1273*:				
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Barshaad	Severe: percs slowly.	Severe: percs slowly.	Severe: large stones, slope, percs slowly.	Moderate: large stones.
Frodo	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
1290 Parran	Severe: flooding, excess salt.	Severe: excess salt.	Severe: excess salt.	Severe: erodes easily.
1300 Rose Creek Variant	Severe: flooding.	Moderate: percs slowly.	Moderate: small stones, percs slowly.	Slight.
1301 Rose Creek Variant	Severe: flooding.	Moderate: percs slowly.	Moderate: percs slowly.	Slight.
1310 Bango	Moderate: small stones, excess salt.	Moderate: small stones, excess salt.	Severe: small stones.	Slight.
1320*:				
Osobb	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: large stones, slope.
Rezave	Severe: large stones, depth to rock.	Severe: large stones, depth to rock.	Severe: large stones, slope, depth to rock.	Moderate: large stones.
Fireball	Severe: slope, large stones.	Severe: slope, large stones.	Severe: large stones, slope, small stones.	Severe: slope.
1330*:				
Sutcliff	Severe: small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.
Kleinbush	Severe: large stones.	Severe: large stones.	Severe: large stones.	Severe: large stones.
Washoe	Severe: large stones.	Severe: large stones.	Severe: large stones, slope, small stones.	Severe: large stones.
1331*:				
Sutcliff	Severe: small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1331*:				
Bundorf	Severe: small stones, cemented pan.	Severe: small stones, cemented pan.	Severe: large stones, slope, small stones.	Moderate: large stones.
Kleinbush	Severe: large stones.	Severe: large stones.	Severe: large stones.	Severe: large stones.
1340*:				
Hawsley	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.
Ruhe	Severe: depth to rock.	Severe: depth to rock.	Severe: small stones, depth to rock.	Slight.
Bluewing	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
1341*:				
Isolde	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.
Dune land.				
1342*:				
Isolde	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.
Playas.				
1344*:				
Isolde	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.
Toulon	Severe: small stones.	Severe: small stones.	Severe: small stones.	Moderate: dusty.
1345 Hawsley	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.	Severe: too sandy.
1350*:				
Stumble	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Ruhe	Severe: flooding, depth to rock.	Severe: depth to rock.	Severe: small stones, depth to rock.	Slight.
Bluewing	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
1351 Stumble	Slight	Slight	Severe: slope.	Slight.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1360*:				
Trocken	Severe: flooding.	Moderate: slope, small stones.	Severe: large stones, slope, small stones.	Slight.
Stumble	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Bluewing	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
1361*:				
Trocken	Severe: flooding.	Moderate: slope, small stones.	Severe: large stones, slope, small stones.	Slight.
Ruhe	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, small stones, depth to rock.	Slight.
Bluewing	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
1362*:				
Trocken	Severe: flooding.	Moderate: slope, small stones.	Severe: large stones, slope, small stones.	Slight.
Badland.				
1363 Trocken	Severe: flooding.	Moderate: small stones.	Severe: large stones, slope, small stones.	Slight.
1364*:				
Trocken	Severe: flooding, slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
Wrango	Severe: flooding.	Moderate: small stones.	Severe: slope, small stones.	Slight.
1370*:				
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
Fireball	Severe: slope, large stones.	Severe: slope, large stones.	Severe: large stones, slope, small stones.	Severe: slope.
Rednik	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1371*:				
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
Flex	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope.
Acrelane	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
1372*:				
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
Isolde	Severe: too sandy.	Severe: too sandy.	Severe: slope, too sandy.	Severe: too sandy.
1373*:				
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
Mizel	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
Stingdorn	Severe: slope, large stones, small stones.	Severe: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
1374*:				
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Moderate: slope.
Fireball	Severe: slope, large stones.	Severe: slope, large stones.	Severe: large stones, slope, small stones.	Severe: slope.
Osobb	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: large stones.
1380*:				
Stingdorn	Severe: slope, large stones, small stones.	Severe: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Severe: small stones.
Singatse	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, slope, depth to rock.	Moderate: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1380*:				
Rock outcrop.				
1390*:				
Pirouette	Severe: depth to rock, cemented pan.	Severe: depth to rock, cemented pan.	Severe: large stones, small stones.	Moderate: large stones, dusty.
Osobb	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
Rock outcrop.				
1400*:				
Softscrabble	Severe: slope, small stones.	Severe: slope, small stones.	Severe: large stones, slope, small stones.	Severe: slope.
Gabica	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, small stones, depth to rock.	Moderate: slope.
Burnborough	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
1401*:				
Softscrabble	Severe: slope, small stones.	Severe: slope, small stones.	Severe: large stones, slope, small stones.	Severe: slope.
Gabica.				
Sumine	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
1410*:				
Burnborough	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope.
Ticino	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
Gabica	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, small stones, depth to rock.	Moderate: slope.
1411*:				
Burnborough	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope.
Ticino	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1411*:				
Softscrabble	Severe: slope, small stones.	Severe: slope, small stones.	Severe: large stones, slope, small stones.	Severe: slope.
1420*:				
Barshaad	Severe: percs slowly.	Severe: percs slowly.	Severe: large stones, slope, percs slowly.	Moderate: large stones.
Fugawee	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Duckhill Variant	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
1430*:				
Fraval	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: large stones, slope.
Booford	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: erodes easily.
Jumbo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
1431*:				
Fraval	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: large stones, slope.
Hirschdale	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Duckhill Variant	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
1432*:				
Fraval	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Severe: large stones, slope.
Hirschdale	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Jumbo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1440 Tallac	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
1441 Tallac	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
1450*:				
Meiss	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
Sibelia	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Rock outcrop.				
1460*:				
Jorge	Severe: slope, small stones.	Severe: slope, small stones.	Severe: small stones, slope.	Severe: slope.
Boomtown	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Fugawee	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
1470*:				
Carioca	Severe: small stones.	Severe: small stones.	Severe: slope, small stones.	Slight.
Sibelia Variant	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
Fugawee	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
1480*:				
Macareeno	Moderate: slope, wetness.	Moderate: slope, wetness, percs slowly.	Severe: slope.	Slight.
Blackwell	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.
Carioca	Severe: slope, small stones.	Severe: slope, small stones.	Severe: slope, small stones.	Moderate: slope.

*See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1490*:				
Arzo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
Indiano	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope.
Barnard	Slight	Slight	Moderate: large stones, slope, small stones.	Slight.
1510*:				
Cagle	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: large stones, slope.
Nosrac	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Old Camp	Severe: slope, depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: small stones, slope, large stones.	Severe: large stones, slope.
1520*:				
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Smallcone	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones, depth to rock.	Severe: slope, small stones.
Cagle	Severe: slope.	Severe: slope.	Severe: large stones, slope.	Moderate: large stones, slope.
1521*:				
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Yuko	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
Lemm	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
1522*:				
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1522*:				
Pahrange	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Lemm	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
1530*:				
Bombadil	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Hefed	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Rubble land.				
1531*:				
Bombadil	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Hefed	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Fireball	Severe: slope, large stones.	Severe: slope, large stones.	Severe: large stones, slope, small stones.	Severe: slope.
1540*:				
McQuarrie	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Arzo	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: large stones, slope.
1541*:				
McQuarrie	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, depth to rock.	Severe: slope.
Duco	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 8.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
1541*:				
Tristan	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
1550*:				
Skedaddle	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Pahrange	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Severe: slope.
Lemm	Severe: slope.	Severe: slope.	Severe: large stones, slope, small stones.	Moderate: slope.
1570*:				
Bluewing	Severe: flooding, small stones.	Severe: small stones.	Severe: large stones, small stones.	Severe: small stones.
Biddleman	Moderate: small stones.	Moderate: small stones.	Severe: slope, small stones.	Slight.
Bundorf	Severe: small stones, cemented pan.	Severe: small stones, cemented pan.	Severe: large stones, slope, small stones.	Moderate: large stones.
1580*:				
Frodo	Severe: depth to rock.	Severe: depth to rock.	Severe: large stones, small stones.	Moderate: large stones.
Xman	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: large stones, slope, small stones.	Severe: slope.
Oppio	Moderate: slope, large stones, small stones.	Moderate: slope, large stones, small stones.	Severe: large stones, slope, small stones.	Moderate: large stones.
1590 Ruhe	Severe: flooding, depth to rock.	Severe: depth to rock.	Severe: small stones, depth to rock.	Slight.
1600*:				
Wrango	Severe: flooding.	Moderate: small stones.	Severe: slope, small stones.	Slight.
Ruhe	Severe: flooding, depth to rock.	Severe: depth to rock.	Severe: small stones, depth to rock.	Slight.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 9.--BUILDING SITE DEVELOPMENT

[Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," and "severe." Absence of an entry indicates that the soil was not rated. The information in this table indicates the dominant soil condition and does not eliminate the need for onsite investigation]

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
101 Aquinas	Moderate: cemented pan.	Moderate: shrink-swell.	Moderate: cemented pan, shrink-swell.	Moderate: shrink-swell, slope.	Moderate: low strength, frost action.
102, 106 Aquinas	Moderate: cemented pan, slope.	Moderate: shrink-swell, slope.	Moderate: cemented pan, slope, shrink-swell.	Severe: slope.	Moderate: low strength, slope, frost action.
110 Jowec Variant	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.
111*:					
Jowec Variant	Moderate: slope.	Moderate: shrink-swell, slope.	Moderate: slope, shrink-swell.	Severe: slope.	Moderate: slope, frost action, shrink-swell.
Greenbrae	Severe: cutbanks cave.	Moderate: shrink-swell.	Slight	Moderate: shrink-swell, slope.	Moderate: low strength, frost action, shrink-swell.
120 Doten	Severe: too clayey.	Severe: shrink-swell, flooding, low strength.	Severe: shrink-swell, flooding, low strength.	Severe: shrink-swell, flooding, low strength.	Severe: shrink-swell, flooding, low strength.
121 Doten	Severe: too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.	Severe: shrink-swell, low strength.
130 Greenbrae	Slight	Slight	Slight	Slight	Moderate: frost action.
131, 132 Greenbrae	Severe: cutbanks cave.	Moderate: shrink-swell.	Slight	Moderate: shrink-swell.	Moderate: low strength, frost action, shrink-swell.
134 Greenbrae	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
136 Greenbrae	Severe: cutbanks cave.	Moderate: shrink-swell.	Slight	Moderate: shrink-swell, slope.	Moderate: low strength, frost action, shrink-swell.
140, 141 Haybourne	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
142 Haybourne	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding, frost action.
150, 151 Doten Variant	Moderate: too clayey, wetness.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
160 Incy	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
161 Incy	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
171, 172 Indian Creek	Severe: cemented pan, cutbanks cave.	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.
173 Indian Creek	Severe: cemented pan, cutbanks cave.	Severe: cemented pan.	Severe: cemented pan.	Severe: slope, cemented pan.	Severe: cemented pan.
174 Indian Creek	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, low strength, shrink-swell.
175 Indian Creek	Severe: cemented pan, cutbanks cave.	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.
176*:					
Indian Creek	Severe: cemented pan, cutbanks cave.	Severe: cemented pan.	Severe: cemented pan.	Severe: slope, cemented pan.	Severe: cemented pan.
Reno	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Washoe	Severe: cutbanks cave.	Moderate: shrink-swell, slope, large stones.	Moderate: slope, shrink-swell, large stones.	Severe: slope.	Moderate: slope, frost action, shrink-swell.
190 Manogue	Severe: cutbanks cave.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
191 Manogue	Severe: cutbanks cave.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
192 Manogue	Severe: cutbanks cave, slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
200, 201, 202 Northmore	Slight	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
203 Northmore	Moderate: slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
210 Luppino	Severe: depth to rock.	Moderate: shrink-swell, depth to rock.	Severe: depth to rock.	Moderate: shrink-swell, slope, depth to rock.	Moderate: depth to rock, frost action.
211 Luppino	Severe: depth to rock.	Moderate: shrink-swell, slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
221 Oppio	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
222 Oppio	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
223*:					
Oppio	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Rezave	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.
Rock outcrop.					
230 Cradlebaugh	Severe: wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: low strength, flooding, frost action.
240 Updike	Moderate: too clayey, wetness.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
241 Updike	Severe: cutbanks cave.	Severe: shrink-swell, flooding.	Severe: shrink-swell, flooding.	Severe: shrink-swell, flooding.	Severe: low strength, shrink-swell.
250 Cassiro	Moderate: too clayey.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.
251 Cassiro	Moderate: too clayey.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: shrink-swell.
252 Cassiro	Moderate: too clayey, slope.	Moderate: shrink-swell, slope.	Moderate: slope, shrink-swell.	Severe: slope.	Moderate: slope, shrink-swell.
260*:					
Acrelane	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
262 Acrelane	Severe: depth to rock.	Moderate: slope, depth to rock, large stones.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.
280 Wedekind	Severe: depth to rock.	Moderate: shrink-swell, slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.
281, 282 Wedekind	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
290 Verdico Variant	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
291---------- Verdico Variant	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
300---------- Surgem	Severe: depth to rock, large stones.	Severe: large stones.	Severe: depth to rock, large stones.	Severe: slope, large stones.	Severe: large stones.
301*, 302*:					
Surgem----------	Severe: depth to rock, large stones, slope.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
Rock outcrop.					
310*:					
Risley----------	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Rock outcrop.					
311*:					
Risley----------	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Rock outcrop.					
312---------- Risley	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
313---------- Risley	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
314*:					
Risley----------	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Xman----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Rock outcrop.					
341---------- Yuko	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
342*:					
Yuko----------	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Reywat----------	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
342*: Rock outcrop.					
350 Mizel	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
351*:					
Mizel	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Skedaddle	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Rock outcrop.					
360*. Pits					
370 Lemm	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: frost action.
390 Duckhill	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
391*:					
Duckhill	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Hirschdale	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Fraval	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
400, 401, 403 Jubilee Variant	Severe: cutbanks cave, wetness.	Severe: flooding.	Severe: flooding, wetness.	Severe: flooding.	Severe: frost action.
410 Ophir	Severe: cutbanks cave, wetness.	Severe: flooding.	Severe: wetness, flooding.	Severe: flooding.	Moderate: wetness, frost action.
411 Ophir	Severe: cutbanks cave, wetness.	Severe: flooding.	Severe: wetness, flooding.	Severe: flooding.	Moderate: wetness, frost action.
420 Godecke	Moderate: wetness.	Moderate: shrink-swell.	Moderate: wetness, shrink-swell.	Moderate: shrink-swell.	Severe: low strength.
423 Godecke Variant	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
430, 431 Sagouspe Variant	Severe: cutbanks cave, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: wetness, frost action.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
440, 441, 442, 443---------- Jubilee	Severe: wetness, cutbanks cave.	Severe: flooding.	Severe: wetness, flooding.	Severe: flooding.	Severe: frost action.
445---------- Jubilee	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
450, 451, 452----- Voltaire	Severe: cutbanks cave, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: low strength, wetness, frost action.
454---------- Voltaire	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: low strength.
455*:					
Voltaire---------	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: low strength.
Truckee----------	Slight----------	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
456---------- Voltaire	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: low strength, frost action.
460, 461---------- Surprise	Slight----------	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
470---------- Dalzell	Severe: cutbanks cave.	Slight----------	Moderate: wetness, cemented pan.	Slight----------	Moderate: frost action.
480, 482---------- Holbrook	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
490---------- Graufels	Severe: cutbanks cave.	Moderate: slope.	Moderate: depth to rock, slope.	Severe: slope.	Moderate: slope.
491*:					
Graufels---------	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
492---------- Graufels	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
493*:					
Graufels---------	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Glenbrook--------	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
494---------- Graufels	Severe: cutbanks cave.	Slight----------	Moderate: depth to rock.	Moderate: slope.	Slight.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
495*:					
Graufels	Severe: cutbanks cave.	Slight	Moderate: depth to rock.	Moderate: slope.	Slight.
Glenbrook	Severe: depth to rock.	Moderate: slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope.
Rock outcrop.					
496*:					
Graufels	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Glenbrook	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Haypress	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
500 Mottsville	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding.
504 Mottsville	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding.
505 Mottsville	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
510 Settlemeyer	Severe: wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: low strength, frost action.
513*:					
Settlemeyer	Severe: wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: low strength, frost action.
Notus	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
514 Settlemeyer	Severe: wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: low strength, frost action.
520 Dressler	Severe: cutbanks cave, wetness.	Severe: flooding.	Severe: flooding, wetness.	Severe: flooding.	Severe: frost action.
530, 531 Sagouspe	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
532 Sagouspe	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
550 Leviathan	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
551 Leviathan	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
553 Leviathan	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
554 Leviathan	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.
557 Leviathan	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
559 Leviathan	Moderate: large stones.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.
570 Turria	Slight	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: low strength, flooding, frost action.
585*:					
Barnard	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
Trosi	Severe: cemented pan, large stones.	Severe: cemented pan, large stones.	Severe: cemented pan, large stones.	Severe: cemented pan, large stones.	Severe: cemented pan.
590, 591 Springmeyer	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
595 Springmeyer	Severe: cutbanks cave.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
600, 601 Idlewild	Moderate: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, frost action, shrink-swell.
602 Idlewild	Moderate: wetness, too clayey.	Severe: shrink-swell, flooding.	Severe: wetness, shrink-swell, flooding.	Severe: shrink-swell, flooding.	Severe: low strength, frost action, shrink-swell.
612 Verdico	Moderate: depth to rock, too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
613 Verdico	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
614 Verdico	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
615 Verdico	Moderate: depth to rock, too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
620 Orr	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
621 Orr	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.
622 Orr	Severe: cutbanks cave.	Moderate: shrink-swell.	Slight	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
623, 624 Orr	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
630, 631 Fleischmann	Moderate: cemented pan.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
632 Fleischmann	Moderate: cemented pan, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
640 Notus	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
650, 651 Chalco	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
652 Chalco	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
653 Chalco	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
654*:					
Chalco	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
Celeton Variant	Severe: depth to rock.	Moderate: depth to rock.	Severe: depth to rock.	Moderate: slope, depth to rock.	Moderate: depth to rock, frost action.
660, 661, 662 Oest	Severe: cutbanks cave.	Moderate: large stones.	Moderate: large stones.	Moderate: slope, large stones.	Moderate: frost action, large stones.
663 Oest	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
664 Oest	Severe: cutbanks cave.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
668 Oest	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
669 Oest	Severe: cutbanks cave.	Slight	Slight	Slight	Moderate: frost action.
670 Galeppi	Severe: cutbanks cave.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: frost action, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
671 Galeppi	Severe: cutbanks cave.	Moderate: shrink-swell, slope.	Moderate: slope, shrink-swell.	Severe: slope.	Moderate: slope, frost action, shrink-swell.
673 Galeppi	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
674 Galeppi	Moderate: large stones, slope.	Moderate: shrink-swell, slope, large stones.	Moderate: slope, shrink-swell, large stones.	Severe: slope.	Moderate: low strength, slope, frost action.
676*:					
Galeppi	Severe: cutbanks cave.	Moderate: shrink-swell, slope.	Moderate: slope, shrink-swell.	Severe: slope.	Moderate: slope, frost action, shrink-swell.
Barnard	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
681 Reno	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
683 Reno	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
730, 731 Stodick	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
740 Blackwell	Severe: cutbanks cave, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: wetness, flooding, frost action.
752*, 753*:					
Toiyabe	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Corbett	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
754*:					
Toiyabe	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
756*:					
Toiyabe	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Corbett	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
756*:					
Haypress	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
772 Booford	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
775 Booford	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
780 Bieber	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, low strength, shrink-swell.
782 Bieber	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan.	Severe: shrink-swell, slope, cemented pan.	Severe: cemented pan, low strength, shrink-swell.
800 Truckee	Moderate: wetness.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
802 Truckee	Severe: wetness.	Severe: flooding.	Severe: flooding, wetness.	Severe: flooding.	Severe: frost action.
805 Truckee	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
806 Truckee	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding, wetness.	Severe: flooding.	Severe: frost action.
810, 812, 813 Rose Creek	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
820, 821 Marla	Severe: cutbanks cave, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding.
830, 831 Fettic	Severe: cutbanks cave, wetness.	Severe: flooding.	Severe: flooding, wetness.	Severe: flooding.	Severe: low strength, frost action.
840*:					
Temo	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Witefels	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
850 Washoe	Severe: cutbanks cave.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: frost action, shrink-swell.
861 Reywat	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
862---------- Reywat	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: slope, depth to rock.	Severe: depth to rock.
863*:					
Reywat----------	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Rock outcrop.					
870*:					
Xman----------	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Rock outcrop.					
871---------- Xman	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
872---------- Xman	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
873*:					
Xman----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Rock outcrop.					
875*:					
Xman----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Zephan----------	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Mizel----------	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
876*:					
Xman----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Oppio----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.
Old Camp---------	Severe: depth to rock, large stones, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
877*:					
Xman	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, cemented pan, slope.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, low strength, slope.
Mizel	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
880*:					
Zephan	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Rock outcrop.					
Smallcone	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
881, 882 Zephan	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
890, 891 Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
892*:					
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Koontz	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Flex	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
893*:					
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Cagle	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.
894*:					
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
894*:					
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Skedaddle	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
895*:					
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Zephan	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
900, 901 Flex	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
903 Flex	Severe: depth to rock.	Moderate: slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.
910, 911 Vamp	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
930 Old Camp	Severe: depth to rock, large stones, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
931*:					
Old Camp extremely stony	Severe: depth to rock, large stones, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
Old Camp stony	Severe: depth to rock, large stones, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
Rock outcrop.					
932 Old Camp	Severe: depth to rock, large stones.	Severe: depth to rock, large stones.	Severe: depth to rock, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, large stones.
960, 961, 962 Kayo	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
963 Kayo	Severe: cutbanks cave, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: slope.
971, 974 Aladshi	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
980---------- Koontz	Severe: depth to rock.	Moderate: shrink-swell, slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.
982---------- Koontz	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
990*. Rock outcrop					
991*: Xeric Torriorthents.					
Urban land.					
992*. Playas					
993*. Haplaquolls					
994*: Badland.					
Chalco----------	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Verdico----------	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
996*: Dune land.					
Playas.					
997*. Badland					
998*. Beaches					
1010---------- Gabica	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1040, 1041-------- Orr Variant	Slight----------	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action, shrink-swell.
1050, 1051-------- Waspo	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
1052*: Waspo----------	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1052*: Rock outcrop.					
1054 Waspo	Moderate: depth to rock, too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
1060*, 1062*: Witefels	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
1080 Inville Variant	Moderate: wetness.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: frost action.
1090 Railcity	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1091 Railcity	Severe: cutbanks cave.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope.
1100*: Graylock	Severe: slope, cutbanks cave.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Temo	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
1120, 1121 Apmat	Severe: cutbanks cave.	Moderate: large stones.	Moderate: large stones.	Moderate: slope, large stones.	Moderate: frost action, large stones.
1130 Dithod	Moderate: wetness.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action, shrink-swell.
1141, 1142 Bedell	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
1143 Bedell	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding, frost action.
1160, 1161 Jowec	Slight	Severe: flooding, shrink-swell.	Severe: flooding.	Severe: flooding, shrink-swell.	Severe: low strength, shrink-swell.
1170, 1171, 1172 Wedertz	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action, shrink-swell.
1181*: Haypress	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1181*:					
Tanob	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
1182*:					
Haypress	Severe: cutbanks cave, large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
Tanob	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
1183*:					
Haypress	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					
1190, 1191, 1192 Spasprey	Severe: cutbanks cave.	Slight	Moderate: cemented pan.	Slight	Moderate: frost action.
1193, 1194 Spasprey	Severe: cutbanks cave.	Slight	Moderate: cemented pan.	Moderate: slope.	Moderate: frost action.
1200 Mellor	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Severe: low strength.
1210 Linhart	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
1211 Linhart	Severe: cutbanks cave, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: slope.
1220 Calpine	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Moderate: frost action.
1240 Pizene	Slight	Slight	Slight	Slight	Slight.
1250 Rednik	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, large stones.
1251 Rednik	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding, large stones.
1260*:					
Thulepah	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Mosquet	Severe: depth to rock, slope.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, slope, shrink-swell.
1270*:					
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1270*:					
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Lemm	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1271*:					
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
Barshaad	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Arzo	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
1272*:					
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
Arzo	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Reywat	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1273*:					
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
Barshaad	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, cemented pan, slope.	Severe: shrink-swell, slope, depth to rock.	Severe: depth to rock, low strength, slope.
1290 Parran	Severe: wetness.	Severe: flooding, shrink-swell.	Severe: flooding, wetness, shrink-swell.	Severe: flooding, shrink-swell.	Severe: low strength, frost action, shrink-swell.
1300, 1301 Rose Creek Variant	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, frost action.
1310 Bango	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: shrink-swell.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1320*:					
Osobb	Severe: depth to rock, cemented pan, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
Rezave	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.
Fireball	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1330*:					
Sutcliff	Moderate: large stones, slope.	Moderate: shrink-swell, slope, large stones.	Moderate: slope, large stones.	Severe: slope.	Severe: low strength.
Kleinbush	Moderate: too clayey.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Severe: low strength.
Washoe	Severe: cutbanks cave.	Moderate: shrink-swell, slope, large stones.	Moderate: slope, shrink-swell, large stones.	Severe: slope.	Moderate: slope, frost action, shrink-swell.
1331*:					
Sutcliff	Moderate: large stones, slope.	Moderate: shrink-swell, slope, large stones.	Moderate: slope, large stones.	Severe: slope.	Severe: low strength.
Bundorf	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell, slope, cemented pan.	Severe: cemented pan, shrink-swell.
Kleinbush	Moderate: too clayey.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Severe: low strength.
1340*:					
Hawsley	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Ruhe	Severe: depth to rock, cutbanks cave.	Moderate: depth to rock.	Severe: depth to rock.	Moderate: slope, depth to rock.	Moderate: depth to rock.
Bluewing	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Severe: flooding.
1341*:					
Isolde	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Dune land.					
1342*:					
Isolde	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Playas.					

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1344*:					
Isolde	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Toulon	Severe: cutbanks cave.	Moderate: large stones.	Moderate: large stones.	Moderate: slope, large stones.	Moderate: large stones.
1345 Hawsley	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
1350*:					
Stumble	Severe: cutbanks cave.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope.
Ruhe	Severe: depth to rock, cutbanks cave.	Moderate: depth to rock.	Severe: depth to rock.	Moderate: slope, depth to rock.	Moderate: depth to rock.
Bluewing	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
1351 Stumble	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
1360*:					
Trocken	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding.
Stumble	Severe: cutbanks cave.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope.
Bluewing	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Severe: flooding.
1361*:					
Trocken	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding.
Ruhe	Severe: depth to rock, cutbanks cave.	Moderate: slope, depth to rock.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope.
Bluewing	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Severe: flooding.
1362*:					
Trocken	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding.
Badland.					
1363 Trocken	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding.
1364*:					
Trocken	Severe: cutbanks cave, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: flooding, slope.	Severe: slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1364*:					
Wrango	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, large stones.
1370*:					
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Fireball	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rednik	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding, slope.	Moderate: slope, flooding, large stones.
1371*:					
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Flex	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Acrelane	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
1372*:					
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Isoldc	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
1373*:					
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Mizel	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock.	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1374*:					
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Fireball	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Osobb	Severe: depth to rock, cemented pan, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1380*:					
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock.	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Singatse	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Rock outcrop.					
1390*:					
Pirouette	Severe: depth to rock, cemented pan.	Severe: depth to rock.	Severe: depth to rock, cemented pan.	Severe: depth to rock.	Severe: depth to rock.
Osobb	Severe: depth to rock, cemented pan, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, cemented pan, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
Rock outcrop.					
1400*:					
Softscrabble	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Gabica	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Burnborough	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1401*:					
Softscrabble	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Gabica	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Sumine	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
1410*:					
Burnborough	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Ticino	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Gabica	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1411*:					
Burnborough	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Ticino	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Softscrabble	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1420*:					
Barshaad	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
Fugawee	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Duckhill Variant	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1430*:					
Fraval	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Booford	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Jumbo	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1431*:					
Fraval	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Hirschdale	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Duckhill Variant	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
1432*:					
Fraval	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Hirschdale	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Jumbo	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1440 Tallac	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
1441 Tallac	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1450*:					
Meiss	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Sibelia	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop.					

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1460*:					
Jorge	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Boomtown	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Fugawee	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1470*:					
Carioca	Moderate: wetness, slope.	Moderate: slope.	Moderate: wetness, slope, shrink-swell.	Severe: slope.	Moderate: slope, frost action.
Sibelia Variant	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Fugawee	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1480*:					
Macareeno	Severe: wetness.	Moderate: slope, wetness, shrink-swell.	Severe: wetness.	Severe: slope.	Severe: frost action.
Blackwell	Severe: cutbanks cave, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: wetness, flooding, frost action.
Carioca	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1490*:					
Arzo	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Indiano	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Barrard	Severe: cemented pan.	Severe: shrink-swell.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell.	Severe: low strength, shrink-swell.
1510*:					
Cagle	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.
Nosrac	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Old Camp	Severe: depth to rock, large stones, slope.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope, depth to rock, large stones.	Severe: depth to rock, slope, large stones.
1520*:					
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1520*:					
Smallcone	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Cagle	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.
1521*:					
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Yuko	Severe: depth to rock, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Lemm	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1522*:					
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Pahrange	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Lemm	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1530*:					
Bombadil	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Hefed	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rubble land.					
1531*:					
Bombadil	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Hefed	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Fireball	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1540*:					
McQuarrie	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.

See footnote at end of table.

TABLE 9.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
1540*:					
Arzo	Severe: slope.	Severe: shrink-swell, slope.	Severe: slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
1541*:					
McQuarrie	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Duco	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Tristan	Severe: large stones, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope, large stones.
1550*:					
Skedaddle	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.	Severe: slope, depth to rock.	Severe: depth to rock, slope.
Pahrange	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Lemm	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
1570*:					
Bluewing	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Severe: flooding.
Biddleman	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Bundorf	Severe: cemented pan.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, shrink-swell.	Severe: shrink-swell, cemented pan.	Severe: cemented pan, shrink-swell.
1580*:					
Frodo	Severe: depth to rock, cemented pan.	Severe: shrink-swell, depth to rock.	Severe: depth to rock, cemented pan.	Severe: shrink-swell, depth to rock.	Severe: depth to rock, low strength.
Xman	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, slope, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, slope, shrink-swell.
Oppio	Severe: depth to rock.	Severe: shrink-swell.	Severe: depth to rock, shrink-swell.	Severe: shrink-swell, slope.	Severe: low strength, shrink-swell.
1590 Ruhe	Severe: depth to rock, cutbanks cave.	Severe: flooding.	Severe: flooding, depth to rock.	Severe: flooding.	Moderate: depth to rock, flooding.
1600*:					
Wrango	Severe: cutbanks cave.	Severe: flooding.	Severe: flooding.	Severe: flooding.	Moderate: flooding, large stones.
Ruhe	Severe: depth to rock, cutbanks cave.	Severe: flooding.	Severe: flooding, depth to rock.	Severe: flooding.	Moderate: depth to rock, flooding.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 10.--SANITARY FACILITIES

[Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," "good," "fair," and other terms. Absence of an entry indicates that the soil was not rated. The information in this table indicates the dominant soil condition and does not eliminate the need for onsite investigation]

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
101 Aquinas	Severe: cemented pan, percs slowly.	Severe: cemented pan.	Moderate: cemented pan.	Severe: cemented pan.	Poor: area reclaim.
102, 106 Aquinas	Severe: cemented pan, percs slowly.	Severe: cemented pan, slope.	Moderate: cemented pan, slope.	Severe: cemented pan.	Poor: area reclaim.
110 Jowec Variant	Severe: percs slowly.	Moderate: slope.	Slight	Slight	Good.
111*:					
Jowec Variant	Severe: percs slowly.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: slope.
Greenbrae	Severe: percs slowly.	Moderate: seepage, slope.	Severe: too sandy.	Slight	Poor: too sandy.
120 Doten	Severe: percs slowly.	Slight	Severe: too clayey, flooding, wetness.	Severe: flooding.	Poor: too clayey.
121 Doten	Severe: percs slowly.	Severe: slope.	Severe: too clayey.	Moderate: slope.	Poor: too clayey.
130 Greenbrae	Severe: percs slowly.	Severe: seepage.	Slight	Slight	Good.
131 Greenbrae	Severe: percs slowly.	Moderate: seepage.	Severe: too sandy.	Slight	Poor: too sandy.
132 Greenbrae	Severe: percs slowly.	Moderate: seepage, slope.	Severe: too sandy.	Slight	Poor: too sandy.
134 Greenbrae	Severe: percs slowly.	Severe: seepage.	Slight	Slight	Good.
136 Greenbrae	Severe: percs slowly.	Moderate: seepage, slope.	Severe: too sandy.	Slight	Poor: too sandy.
140, 141 Haybourne	Severe: poor filter.	Severe: seepage, flooding.	Severe: too sandy.	Moderate: flooding.	Poor: too sandy.
142 Haybourne	Severe: poor filter.	Severe: seepage, flooding, slope.	Severe: too sandy.	Moderate: flooding, slope.	Poor: too sandy.
150, 151 Doten Variant	Severe: percs slowly.	Slight	Severe: wetness, too clayey, excess salt.	Slight	Poor: too clayey, hard to pack.
160 Incy	Severe: poor filter.	Severe: seepage.	Severe: too sandy.	Slight	Poor: seepage, too sandy.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
161 Incy	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: slope, too sandy.	Severe: slope.	Poor: seepage, too sandy, slope.
171, 172 Indian Creek	Severe: cemented pan, percs slowly.	Severe: seepage, cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, seepage, small stones.
173 Indian Creek	Severe: cemented pan, percs slowly.	Severe: seepage, cemented pan, slope.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, seepage, small stones.
174 Indian Creek	Severe: cemented pan.	Severe: cemented pan, large stones.	Severe: cemented pan, large stones.	Severe: cemented pan.	Poor: area reclaim, hard to pack, small stones.
175 Indian Creek	Severe: cemented pan, percs slowly.	Severe: seepage, cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, seepage, small stones.
176*:					
Indian Creek	Severe: cemented pan, percs slowly.	Severe: seepage, cemented pan, slope.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, seepage, small stones.
Reno	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: depth to rock, cemented pan.	Severe: cemented pan.	Poor: area reclaim, hard to pack.
Washoe	Severe: percs slowly, poor filter.	Severe: seepage, slope, large stones.	Severe: large stones.	Moderate: slope.	Poor: small stones.
190 Manogue	Severe: percs slowly.	Moderate: depth to rock, slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock.	Poor: too clayey, hard to pack.
191 Manogue	Severe: percs slowly.	Severe: slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock, slope.	Poor: too clayey, hard to pack.
192 Manogue	Severe: percs slowly, slope.	Severe: slope.	Severe: depth to rock, slope, too clayey.	Severe: slope.	Poor: too clayey, hard to pack, slope.
200, 201, 202 Northmore	Severe: percs slowly.	Severe: seepage.	Moderate: too clayey.	Severe: seepage.	Fair: too clayey.
203 Northmore	Severe: percs slowly.	Severe: seepage, slope.	Moderate: slope, too clayey.	Severe: seepage.	Fair: too clayey, slope.
210 Luppino	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
211 Luppino	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
221 Oppio	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
222 Oppio	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
223*:					
Oppio	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
Rezave	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, small stones.
Rock outcrop.					
230 Cradlebaugh	Severe: flooding, wetness, percs slowly.	Severe: seepage, flooding, wetness.	Severe: flooding, seepage, wetness.	Severe: flooding, seepage, wetness.	Poor: wetness, excess salt.
240 Updike	Severe: percs slowly.	Slight	Severe: wetness.	Slight	Poor: hard to pack.
241 Updike	Severe: percs slowly, poor filter.	Severe: seepage.	Severe: wetness.	Moderate: wetness, flooding.	Poor: hard to pack.
250, 251 Cassiro	Severe: percs slowly.	Severe: seepage.	Severe: depth to rock, too clayey.	Severe: seepage.	Poor: too clayey, small stones.
252 Cassiro	Severe: percs slowly.	Severe: seepage, slope.	Severe: depth to rock, too clayey.	Severe: seepage.	Poor: too clayey, small stones.
260*:					
Acrelane	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Rock outcrop.					
262 Acrelane	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
280 Wedekind	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
281, 282 Wedekind	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
290 Verdico Variant	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
291---------- Verdico Variant	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
300---------- Surgem	Severe: depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, large stones.	Severe: depth to rock.	Poor: area reclaim, hard to pack, large stones.
301*, 302*:					
Surgem----------	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, large stones.
Rock outcrop.					
310*:					
Risley----------	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
Rock outcrop.					
311*:					
Risley----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Rock outcrop.					
312---------- Risley	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
313---------- Risley	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
314*:					
Risley----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Xman----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Rock outcrop.					
341---------- Yuko	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
342*:					
Yuko----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Reywat----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Rock outcrop.					

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
350 Mizel	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
351*:					
Mizel	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Skedaddle	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Rock outcrop.					
360*. Pits					
370 Lemm	Severe: poor filter.	Severe: seepage, flooding.	Severe: seepage.	Severe: seepage.	Poor: small stones.
390 Duckhill	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
391*:					
Duckhill	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Hirschdale	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Fraval	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
400 Jubilee Variant	Severe: wetness.	Severe: seepage, flooding, wetness.	Severe: seepage, wetness, excess salt.	Severe: seepage, wetness.	Poor: excess salt.
401, 403 Jubilee Variant	Severe: wetness.	Severe: seepage, flooding, wetness.	Severe: seepage, wetness.	Severe: seepage, wetness.	Fair: too sandy, wetness.
410, 411 Ophir	Severe: wetness, poor filter.	Severe: seepage, wetness.	Severe: seepage, wetness, too sandy.	Severe: seepage, wetness.	Poor: too sandy.
420 Godecke	Severe: wetness, percs slowly.	Severe: wetness.	Severe: wetness, excess sodium, excess salt.	Severe: wetness.	Severe: excess salt, excess sodium.
423 Godecke Variant	Severe: percs slowly.	Moderate: cemented pan.	Moderate: cemented pan.	Severe: seepage.	Fair: area reclaim, thin layer.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
430, 431---------- Sagouspe Variant	Severe: wetness.	Severe: seepage, flooding, wetness.	Severe: wetness, too sandy.	Severe: seepage, wetness.	Poor: too sandy, wetness.
440, 441, 442, 443-- Jubilee	Severe: wetness.	Severe: wetness, seepage.	Severe: wetness, seepage.	Severe: wetness, seepage.	Fair: wetness.
445---------- Jubilee	Moderate: flooding, wetness.	Severe: seepage, flooding.	Severe: seepage, wetness.	Severe: seepage.	Fair: too sandy.
450, 451---------- Voltaire	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Poor: wetness.
452---------- Voltaire	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness, excess sodium, excess salt.	Severe: wetness.	Poor: wetness, excess salt, excess sodium.
454---------- Voltaire	Severe: percs slowly.	Severe: flooding.	Severe: wetness.	Moderate: flooding.	Fair: too clayey.
455*:					
Voltaire----------	Severe: percs slowly.	Severe: flooding.	Severe: wetness.	Moderate: flooding.	Fair: too clayey.
Truckee----------	Severe: percs slowly.	Severe: flooding.	Moderate: flooding, too clayey.	Moderate: flooding.	Fair: too clayey.
456---------- Voltaire	Severe: wetness, percs slowly.	Severe: seepage, flooding.	Severe: seepage, wetness, too clayey.	Severe: seepage.	Poor: too clayey.
460, 461---------- Surprise	Moderate: flooding.	Severe: seepage, flooding.	Severe: seepage.	Severe: seepage.	Poor: small stones.
470---------- Dalzell	Severe: cemented pan, wetness.	Severe: seepage, cemented pan.	Severe: wetness, too sandy.	Severe: cemented pan.	Poor: area reclaim, seepage, too sandy.
480, 482---------- Holbrook	Moderate: flooding.	Severe: seepage, flooding.	Severe: seepage, too sandy.	Severe: seepage.	Poor: too sandy, small stones.
490---------- Graufels	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: area reclaim, too sandy.
491*:					
Graufels----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
Rock outcrop.					

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
492---------- Graufels	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
493*:					
Graufels----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
Glenbrook----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope, too sandy.	Severe: depth to rock, slope.	Poor: area reclaim, seepage, too sandy.
494---------- Graufels	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: area reclaim, too sandy.
495*:					
Graufels----------	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: area reclaim, too sandy.
Glenbrook----------	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, too sandy.	Severe: depth to rock.	Poor: area reclaim, seepage, too sandy.
Rock outcrop.					
496*:					
Graufels----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
Glenbrook----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope, too sandy.	Severe: depth to rock, slope.	Poor: area reclaim, seepage, too sandy.
Haypress----------	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: seepage, slope.
500---------- Mottsville	Severe: poor filter.	Severe: seepage, flooding.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
504---------- Mottsville	Severe: poor filter.	Severe: seepage, flooding, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
505---------- Mottsville	Severe: poor filter.	Severe: seepage.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
510---------- Settlemeyer	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Poor: wetness.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
513*:					
Settlemeyer	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Poor: wetness.
Notus	Severe: flooding.	Severe: seepage, flooding.	Severe: flooding, seepage, wetness.	Severe: flooding, seepage.	Poor: seepage, too sandy, small stones.
514 Settlemeyer	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Poor: wetness.
520 Dressler	Severe: wetness.	Severe: seepage, flooding, wetness.	Severe: seepage, wetness, too sandy.	Severe: seepage, wetness.	Poor: seepage, too sandy, large stones.
530, 531 Sagouspe	Severe: wetness, poor filter.	Severe: seepage, flooding, wetness.	Severe: seepage, wetness, too sandy.	Severe: seepage, wetness.	Poor: too sandy.
532 Sagouspe	Severe: flooding, wetness, poor filter.	Severe: seepage, flooding, wetness.	Severe: flooding, seepage, wetness.	Severe: flooding, seepage, wetness.	Poor: too sandy.
550 Leviathan	Severe: percs slowly.	Slight	Slight	Slight	Poor: small stones.
551 Leviathan	Severe: percs slowly.	Moderate: slope.	Slight	Slight	Poor: small stones.
553 Leviathan	Severe: percs slowly, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: small stones, slope.
554 Leviathan	Severe: percs slowly.	Moderate: slope.	Slight	Slight	Poor: small stones.
557 Leviathan	Severe: percs slowly, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: small stones, slope.
559 Leviathan	Severe: percs slowly.	Moderate: slope, large stones.	Moderate: large stones.	Slight	Poor: small stones.
570 Turria	Moderate: flooding, percs slowly.	Severe: flooding.	Moderate: flooding.	Moderate: flooding.	Good.
585*:					
Barnard	Severe: cemented pan, percs slowly.	Severe: cemented pan.	Severe: cemented pan, too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, hard to pack.
Trosi	Severe: cemented pan.	Severe: cemented pan, large stones.	Severe: cemented pan.	Severe: cemented pan.	Poor: thin layer, large stones, slope.
590 Springmeyer	Severe: percs slowly.	Moderate: seepage.	Slight	Slight	Poor: small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
591 Springmeyer	Severe: percs slowly.	Moderate: seepage, slope.	Slight	Slight	Poor: small stones.
595 Springmeyer	Severe: percs slowly.	Moderate: seepage.	Moderate: too sandy.	Slight	Fair: too sandy, small stones.
600 Idlewild	Severe: percs slowly.	Slight	Severe: too clayey.	Slight	Poor: too clayey.
601 Idlewild	Severe: percs slowly.	Moderate: seepage.	Severe: too clayey.	Slight	Poor: too clayey.
602 Idlewild	Severe: wetness, percs slowly.	Severe: wetness.	Severe: wetness, too clayey.	Severe: wetness.	Poor: too clayey.
612 Verdico	Severe: depth to rock, percs slowly.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
613 Verdico	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
614 Verdico	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
615 Verdico	Severe: depth to rock, percs slowly.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
620, 621 Orr	Severe: percs slowly.	Moderate: seepage, slope.	Slight	Slight	Fair: small stones.
622 Orr	Severe: percs slowly, poor filter.	Severe: seepage.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.
623, 624 Orr	Severe: percs slowly.	Moderate: seepage.	Slight	Slight	Fair: small stones.
630, 631 Fleischmann	Severe: cemented pan.	Severe: cemented pan.	Severe: too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, hard to pack.
632 Fleischmann	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, hard to pack.
640 Notus	Severe: flooding.	Severe: seepage, flooding.	Severe: flooding, seepage, wetness.	Severe: flooding, seepage.	Poor: seepage, too sandy, small stones.
650, 651 Chalco	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
652 Chalco	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
653 Chalco	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
654*:					
Chalco	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
Celeton Variant	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
660, 661 Oest	Severe: poor filter.	Severe: seepage.	Severe: seepage.	Severe: seepage.	Poor: small stones.
662 Oest	Severe: poor filter.	Severe: seepage, large stones.	Severe: seepage, large stones.	Severe: seepage.	Poor: small stones.
663 Oest	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: slope.	Poor: small stones, slope.
664 Oest	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage.	Moderate: slope.	Poor: small stones.
668 Oest	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
669 Oest	Severe: poor filter.	Severe: seepage.	Severe: seepage.	Severe: seepage.	Poor: small stones.
670 Galeppi	Severe: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight	Fair: too clayey.
671 Galeppi	Severe: percs slowly.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, slope.
673 Galeppi	Severe: percs slowly, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: slope.
674 Galeppi	Severe: percs slowly.	Severe: slope.	Severe: seepage.	Severe: seepage.	Fair: too clayey, slope.
676*:					
Galeppi	Severe: percs slowly.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, slope.
Barnard	Severe: cemented pan, percs slowly.	Severe: cemented pan.	Severe: cemented pan, too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, hard to pack.
681 Reno	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: depth to rock, cemented pan.	Severe: cemented pan.	Poor: area reclaim, hard to pack.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
683 Reno	Severe: cemented pan.	Severe: cemented pan.	Severe: depth to rock, cemented pan.	Severe: cemented pan.	Poor: area reclaim, hard to pack.
730, 731 Stodick	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
740 Blackwell	Severe: flooding, wetness, percs slowly.	Severe: flooding, wetness.	Severe: flooding, wetness, too sandy.	Severe: flooding, wetness.	Poor: too sandy, wetness.
752*, 753*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, too sandy.
Corbett	Severe: depth to rock, poor filter, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, slope.
Rock outcrop.					
754*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, too sandy.
Rock outcrop.					
756*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, too sandy.
Corbett	Severe: depth to rock, poor filter, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, slope.
Haypress	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: seepage, slope.
772 Booford	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.
775 Booford	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
780 Bieber	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, small stones.
782 Bieber	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: cemented pan.	Severe: cemented pan.	Poor: area reclaim, small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
800 Truckee	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Fair: too clayey, wetness.
802 Truckee	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness, excess salt.	Severe: wetness.	Poor: excess salt.
805 Truckee	Severe: percs slowly, poor filter.	Severe: seepage, flooding, small stones.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.
806 Truckee	Severe: wetness, percs slowly, poor filter.	Severe: seepage, flooding, wetness.	Severe: seepage, wetness, too sandy.	Severe: seepage, wetness.	Fair: too sandy, wetness.
810, 812, 813 Rose Creek	Moderate: flooding, wetness.	Severe: seepage, flooding.	Severe: seepage, wetness, too sandy.	Severe: seepage.	Poor: too sandy.
820, 821 Marla	Severe: flooding, wetness, percs slowly.	Severe: seepage, flooding.	Severe: flooding, wetness.	Severe: flooding, seepage, wetness.	Poor: seepage, wetness.
830, 831 Fettic	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness, too clayey, excess sodium.	Severe: wetness.	Poor: too clayey, excess salt, excess sodium.
840*:					
Temo	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, too sandy.
Witefels	Severe: depth to rock, poor filter, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
Rock outcrop.					
850 Washoe	Severe: percs slowly, poor filter.	Severe: seepage.	Moderate: large stones.	Slight	Poor: small stones.
861 Reywat	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
862 Reywat	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, small stones.
863*:					
Reywat	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Rock outcrop.					

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
870*:					
Xman	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
Rock outcrop.					
871 Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
872 Xman	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
873*:					
Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Rock outcrop.					
875*:					
Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Zephan	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, large stones.
Mizel	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
876*:					
Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Oppio	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Old Camp	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, large stones, slope.
877*:					
Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, cemented pan, slope.	Poor: area reclaim, too clayey, hard to pack.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
877*:					
Mizel	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
880*:					
Zephan	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, large stones.
Rock outcrop.					
Smallcone	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
881, 882 Zephan	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, large stones.
890, 891 Indiano	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
892*:					
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Koontz	Severe: depth to rock, slope.	Severe: slope, small stones, depth to rock.	Severe: depth to rock, slope.	Severe: slope.	Poor: slope.
Flex	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
893*:					
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Cagle	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, small stones.
894*:					
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
894*:					
Skedaddle	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
895*:					
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Zephan	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, large stones.
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
900, 901 Flex	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
903 Flex	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
910, 911 Vamp	Severe: cemented pan, wetness.	Severe: seepage, cemented pan, flooding.	Severe: wetness, excess salt.	Severe: cemented pan, wetness.	Poor: area reclaim.
930 Old Camp	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, large stones, slope.
931*:					
Old Camp extremely stony	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, large stones, slope.
Old Camp stony	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, large stones, slope.
Rock outcrop.					
932 Old Camp	Severe: depth to rock, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, large stones.	Severe: depth to rock.	Poor: area reclaim, large stones.
960, 961, 962 Kayo	Severe: poor filter.	Severe: seepage, flooding.	Moderate: flooding, too sandy.	Moderate: flooding.	Poor: seepage, small stones.
963 Kayo	Severe: poor filter, slope.	Severe: seepage, flooding, slope.	Severe: slope.	Severe: slope.	Poor: seepage, small stones, slope.
971, 974 Aladshi	Severe: percs slowly.	Severe: seepage, flooding.	Moderate: flooding, too sandy.	Moderate: flooding.	Poor: small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
980---------- Koontz	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, small stones.
982---------- Koontz	Severe: depth to rock, slope.	Severe: slope, small stones.	Severe: depth to rock, slope.	Severe: slope.	Poor: slope.
990*. Rock outcrop					
991*: Xeric Torriorthents.					
Urban land.					
992*. Playas					
993*. Haplaquolls					
994*: Badland.					
Chalco----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Verdico----------	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
996*: Dune land.					
Playas.					
997*. Badland					
998*. Beaches					
1010---------- Gabica	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1040, 1041---------- Orr Variant	Severe: percs slowly.	Severe: flooding.	Moderate: flooding, too clayey.	Moderate: flooding.	Fair: too clayey.
1050, 1051---------- Waspo	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
1052*: Waspo----------	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Rock outcrop.					

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1054---------- Waspo	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.
1060*, 1062*:					
Witefels----------	Severe: depth to rock, poor filter, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, too sandy, slope.
Rock outcrop.					
1080---------- Inville Variant	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness.	Severe: wetness.	Fair: small stones.
1090---------- Railcity	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope, too sandy.	Severe: seepage, slope.	Poor: seepage, too sandy, small stones.
1091---------- Railcity	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.
1100*:					
Graylock----------	Severe: slope.	Severe: slope, seepage, small stones.	Severe: seepage, slope.	Severe: slope, seepage.	Poor: slope, too sandy, small stones.
Temo----------	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, seepage, too sandy.
Rock outcrop.					
1120, 1121---------- Apmat	Severe: poor filter.	Severe: seepage.	Severe: seepage, large stones.	Severe: seepage.	Poor: large stones.
1130---------- Dithod	Severe: wetness, percs slowly.	Severe: seepage, flooding, wetness.	Severe: wetness.	Severe: seepage, wetness.	Fair: wetness.
1141, 1142---------- Bedell	Severe: poor filter.	Severe: seepage, flooding.	Severe: seepage.	Severe: seepage.	Fair: thin layer.
1143---------- Bedell	Severe: poor filter.	Severe: seepage, flooding, slope.	Severe: seepage.	Severe: seepage.	Fair: slope, thin layer.
1160, 1161---------- Jowec	Severe: percs slowly.	Severe: flooding.	Moderate: flooding.	Moderate: flooding.	Good.
1170, 1171, 1172---- Wedertz	Severe: percs slowly, poor filter.	Severe: seepage, flooding.	Moderate: flooding, too sandy.	Moderate: flooding.	Fair: too sandy, small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1181*:					
Haypress	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: seepage, slope.
Tanob	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, slope.
Rock outcrop.					
1182*:					
Haypress	Severe: poor filter, slope, large stones.	Severe: seepage, slope, large stones.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: seepage, slope, large stones.
Tanob	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, slope.
Rock outcrop.					
1183*:					
Haypress	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: seepage, slope.
Rock outcrop.					
1190, 1191, 1192, 1193, 1194 Spasprey	Severe: cemented pan.	Severe: seepage, cemented pan.	Moderate: cemented pan, too sandy.	Severe: cemented pan.	Poor: area reclaim.
1200 Mellor	Severe: percs slowly.	Slight	Severe: excess salt.	Slight	Good.
1210 Linhart	Severe: flooding, poor filter.	Severe: seepage, flooding.	Severe: flooding, seepage.	Severe: flooding, seepage.	Poor: seepage, too sandy, small stones.
1211 Linhart	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: flooding, slope.	Poor: seepage, too sandy, small stones.
1220 Calpine	Severe: poor filter.	Severe: seepage.	Severe: seepage.	Severe: seepage.	Good.
1240 Pizene	Slight	Severe: seepage.	Slight	Slight	Good.
1250 Rednik	Severe: poor filter.	Severe: seepage, flooding.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.
1251 Rednik	Severe: poor filter.	Severe: seepage, flooding, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1260*:					
Thulepah	Severe: percs slowly, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: slope.
Mosquet	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, small stones.
1270*:					
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Lemm	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1271*:					
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
Barshaad	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.
Arzo	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
1272*:					
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
Arzo	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Reywat	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1273*:					
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
Barshaad	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1273*:					
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, cemented pan, slope.	Poor: area reclaim, too clayey, hard to pack.
1290 Parran	Severe: wetness, percs slowly.	Severe: flooding, wetness.	Severe: wetness, excess salt.	Severe: wetness.	Poor: too clayey, hard to pack, excess salt.
1300, 1301 Rose Creek Variant	Severe: percs slowly.	Severe: flooding.	Severe: wetness.	Moderate: flooding.	Fair: too sandy, small stones.
1310 Bango	Severe: percs slowly.	Moderate: slope.	Slight	Slight	Good.
1320*:					
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, depth to rock, cemented pan.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, cemented pan, slope.	Poor: area reclaim, seepage, small stones.
Rezave	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, small stones.
Fireball	Severe: slope.	Severe: seepage, slope, large stones.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1330*:					
Sutcliff	Severe: percs slowly.	Severe: slope, large stones.	Severe: large stones.	Moderate: cemented pan, slope.	Poor: large stones.
Kleinbush	Severe: percs slowly.	Moderate: slope.	Severe: too clayey.	Slight	Poor: too clayey, hard to pack.
Washoe	Severe: percs slowly, poor filter.	Severe: seepage, slope, large stones.	Severe: large stones.	Moderate: slope.	Poor: small stones.
1331*:					
Sutcliff	Severe: percs slowly.	Severe: slope, large stones.	Severe: large stones.	Moderate: cemented pan, slope.	Poor: large stones.
Bundorf	Severe: cemented pan.	Severe: cemented pan, slope.	Severe: cemented pan, too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, small stones.
Kleinbush	Severe: percs slowly.	Moderate: slope.	Severe: too clayey.	Slight	Poor: too clayey, hard to pack.
1340*:					
Hawsley	Severe: poor filter.	Severe: seepage.	Severe: seepage, too sandy.	Severe: seepage.	Poor: too sandy.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1340*:					
Ruhe	Severe: depth to rock, poor filter.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage, too sandy.	Severe: depth to rock, seepage.	Poor: area reclaim, seepage, too sandy.
Bluewing	Severe: flooding, poor filter.	Severe: seepage, flooding, slope.	Severe: flooding, too sandy.	Severe: flooding.	Poor: seepage, too sandy, small stones.
1341*:					
Isolde	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
Dune land.					
1342*:					
Isolde	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
Playas.					
1344*:					
Isolde	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
Toulon	Severe: poor filter.	Severe: seepage.	Severe: too sandy, large stones.	Slight	Poor: seepage, too sandy, small stones.
1345 Hawsley	Severe: poor filter.	Severe: seepage.	Severe: seepage, too sandy.	Severe: seepage.	Poor: too sandy.
1350*:					
Stumble	Severe: poor filter.	Severe: seepage, slope.	Moderate: slope, too sandy.	Moderate: slope.	Poor: small stones.
Ruhe	Severe: depth to rock, poor filter.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage, too sandy.	Severe: depth to rock, seepage.	Poor: area reclaim, seepage, too sandy.
Bluewing	Severe: flooding, poor filter.	Severe: seepage, flooding.	Severe: flooding, too sandy.	Severe: flooding.	Poor: seepage, too sandy, small stones.
1351 Stumble	Severe: poor filter.	Severe: seepage.	Moderate: too sandy.	Slight	Poor: small stones.
1360*:					
Trocken	Moderate: flooding, percs slowly, slope.	Severe: flooding, slope.	Moderate: flooding, slope, too sandy.	Moderate: flooding, slope.	Poor: seepage, small stones.
Stumble	Severe: poor filter.	Severe: seepage, slope.	Moderate: slope, too sandy.	Moderate: slope.	Poor: small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1360*:					
Bluewing	Severe: flooding, poor filter.	Severe: seepage, flooding, slope.	Severe: flooding, too sandy.	Severe: flooding.	Poor: seepage, too sandy, small stones.
1361*:					
Trocken	Moderate: flooding, percs slowly, slope.	Severe: flooding, slope.	Moderate: flooding, slope, too sandy.	Moderate: flooding, slope.	Poor: seepage, small stones.
Ruhe	Severe: depth to rock, poor filter.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage, too sandy.	Severe: depth to rock, seepage.	Poor: area reclaim, seepage, too sandy.
Bluewing	Severe: flooding, poor filter.	Severe: seepage, flooding, slope.	Severe: flooding, too sandy.	Severe: flooding.	Poor: seepage, too sandy, small stones.
1362*:					
Trocken	Moderate: flooding, percs slowly, slope.	Severe: flooding, slope.	Moderate: flooding, slope, too sandy.	Moderate: flooding, slope.	Poor: seepage, small stones.
Badland.					
1363 Trocken	Moderate: flooding, percs slowly.	Severe: flooding.	Moderate: flooding, too sandy.	Moderate: flooding.	Poor: seepage, small stones.
1364*:					
Trocken	Severe: slope.	Severe: flooding, slope.	Severe: slope.	Severe: slope.	Poor: seepage, small stones, slope.
Wrango	Severe: poor filter.	Severe: seepage, flooding.	Severe: too sandy.	Moderate: flooding.	Poor: seepage, too sandy, small stones.
1370*:					
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Fireball	Severe: slope.	Severe: seepage, slope, large stones.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
Rednik	Severe: poor filter.	Severe: seepage, flooding, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy, small stones.
1371*:					
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Flex	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1371*:					
Acrelane	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
1372*:					
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Isolde	Severe: poor filter.	Severe: seepage, slope.	Severe: seepage, too sandy.	Severe: seepage.	Poor: seepage, too sandy.
1373*:					
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Mizel	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, cemented pan, seepage.	Poor: area reclaim, seepage, small stones.
1374*:					
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Fireball	Severe: slope.	Severe: seepage, slope, large stones.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, depth to rock, cemented pan.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, cemented pan, slope.	Poor: area reclaim, seepage, small stones.
1380*:					
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, cemented pan, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, cemented pan, seepage.	Poor: area reclaim, seepage, small stones.
Singatse	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Rock outcrop.					
1390*:					
Pirouette	Severe: depth to rock, cemented pan.	Severe: seepage, depth to rock, cemented pan.	Severe: depth to rock, large stones.	Severe: depth to rock, cemented pan.	Poor: area reclaim, small stones.
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, depth to rock, cemented pan.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, cemented pan, slope.	Poor: area reclaim, seepage, small stones.
Rock outcrop.					

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1400*:					
Softscrabble	Severe: percs slowly, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope.	Poor: slope.
Gabica	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Burnborough	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: small stones, slope.
1401*:					
Softscrabble	Severe: percs slowly, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope.	Poor: slope.
Gabica	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Sumine	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1410*:					
Burnborough	Severe: slope.	Severe: seepage, slope.	Severe: slope.	Severe: seepage, slope.	Poor: small stones, slope.
Ticino	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Gabica	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1411*:					
Burnborough	Severe: slope.	Severe: seepage, slope.	Severe: slope.	Severe: seepage, slope.	Poor: small stones, slope.
Ticino	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Softscrabble	Severe: percs slowly, slope.	Severe: slope, large stones.	Severe: slope, large stones.	Severe: slope.	Poor: slope.
1420*:					
Barshaad	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: area reclaim, too clayey, hard to pack.
Fugawee	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1420*:					
Duckhill Variant	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1430*:					
Fraval	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Booford	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Jumbo	Severe: slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: large stones, slope.
1431*:					
Fraval	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Hirschdale	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Duckhill Variant	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
1432*:					
Fraval	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Hirschdale	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Jumbo	Severe: slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: large stones, slope.
1440 Tallac	Severe: slope, large stones.	Severe: seepage, slope, large stones.	Severe: cemented pan, slope, large stones.	Severe: seepage, slope.	Poor: slope.
1441 Tallac	Severe: slope.	Severe: seepage, slope.	Severe: cemented pan, slope.	Severe: seepage, slope.	Poor: large stones, slope.
1450*:					
Meiss	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1450*:					
Sibelia	Severe: slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
Rock outcrop.					
1460*:					
Jorge	Severe: slope.	Severe: seepage, slope.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
Boomtown	Severe: percs slowly, slope.	Severe: slope.	Severe: slope, too clayey.	Severe: slope.	Poor: too clayey, hard to pack, small stones.
Fugawee	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
1470*:					
Carioca	Severe: wetness.	Severe: seepage, slope.	Severe: depth to rock.	Severe: seepage.	Poor: small stones.
Sibelia Variant	Severe: wetness, slope.	Severe: seepage, slope, wetness.	Severe: seepage, slope, large stones.	Severe: seepage, slope.	Poor: large stones, slope.
Fugawee	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
1480*:					
Macareeno	Severe: wetness, percs slowly.	Severe: slope, wetness.	Moderate: wetness.	Severe: seepage.	Poor: small stones.
Blackwell	Severe: flooding, wetness, percs slowly.	Severe: flooding, wetness.	Severe: flooding, wetness, too sandy.	Severe: flooding, wetness.	Poor: too sandy, wetness.
Carioca	Severe: wetness, slope.	Severe: seepage, slope.	Severe: depth to rock, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1490*:					
Arzo	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
Indiano	Severe: depth to rock, percs slowly, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Barnard	Severe: cemented pan, percs slowly.	Severe: cemented pan.	Severe: cemented pan, too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, hard to pack.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1510*:					
Cagle	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, small stones.
Nosrac	Severe: percs slowly, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: small stones, slope.
Old Camp	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, large stones, slope.
1520*:					
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Smallcone	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Cagle	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, small stones.
1521*:					
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Yuko	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Lemm	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1522*:					
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Pahrange	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Lemm	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1530*:					
Bombadil	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Hefed	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1530*:					
Rubble land.					
1531*:					
Bombadil	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Hefed	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
Fireball	Severe: slope.	Severe: seepage, slope, large stones.	Severe: depth to rock, seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1540*:					
McQuarrie	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
Arzo	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: area reclaim, too clayey, hard to pack.
1541*:					
McQuarrie	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Duco	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, small stones, slope.
Tristan	Severe: percs slowly, slope, large stones.	Severe: slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: slope.	Poor: large stones, slope.
1550*:					
Skedaddle	Severe: depth to rock, slope.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope, large stones.	Severe: depth to rock, slope.	Poor: area reclaim, slope.
Pahrange	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, seepage, slope.	Poor: area reclaim, small stones, slope.
Lemm	Severe: poor filter, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.
1570*:					
Bluewing	Severe: flooding, poor filter.	Severe: seepage, flooding.	Severe: flooding, too sandy.	Severe: flooding.	Poor: seepage, too sandy, small stones.

See footnote at end of table.

TABLE 10.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1570*:					
Biddleman	Severe: poor filter.	Severe: seepage, slope.	Severe: too sandy.	Slight	Poor: seepage, too sandy, small stones.
Bundorf	Severe: cemented pan.	Severe: cemented pan.	Severe: cemented pan, too clayey.	Severe: cemented pan.	Poor: area reclaim, too clayey, small stones.
1580*:					
Frodo	Severe: depth to rock, cemented pan.	Severe: depth to rock, cemented pan.	Severe: depth to rock, too clayey.	Severe: depth to rock, cemented pan.	Poor: area reclaim, too clayey, hard to pack.
Xman	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: area reclaim, hard to pack, slope.
Oppio	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim, hard to pack.
1590 Ruhe	Severe: depth to rock, poor filter.	Severe: seepage, depth to rock, flooding.	Severe: depth to rock, seepage, too sandy.	Severe: depth to rock, seepage.	Poor: area reclaim, seepage, too sandy.
1600*:					
Wrango	Severe: poor filter.	Severe: seepage, flooding.	Severe: too sandy.	Moderate: flooding.	Poor: seepage, too sandy, small stones.
Ruhe	Severe: depth to rock, poor filter.	Severe: seepage, depth to rock, flooding.	Severe: depth to rock, seepage, too sandy.	Severe: depth to rock, seepage.	Poor: area reclaim, seepage, too sandy.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 11.--CONSTRUCTION MATERIALS

[Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "good," "fair," "poor," "probable," and "improbable." Absence of an entry indicates that the soil was not rated. The information in this table indicates the dominant soil condition and does not eliminate the need for onsite investigation]

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
101, 102, 106 Aquinas	Fair: low strength, thin layer, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim, small stones, thin layer.
110 Jowec Variant	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
111*:				
Jowec Variant	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
Greenbrae	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, thin layer.
120, 121 Doten	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, excess salt.
130 Greenbrae	Fair: thin layer.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
131, 132 Greenbrae	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, thin layer.
134 Greenbrae	Fair: thin layer.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
136 Greenbrae	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, thin layer.
140, 141, 142 Haybourne	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
150, 151 Doten Variant	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, excess salt.
160 Incy	Good	Probable	Improbable: too sandy.	Poor: too sandy.
161 Incy	Fair: slope.	Probable	Improbable: too sandy.	Poor: too sandy, slope.
171, 172, 173 Indian Creek	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
174 Indian Creek	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones.
175 Indian Creek	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
176*:				
Indian Creek	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
Reno	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Washoe	Fair: large stones.	Probable	Probable	Poor: area reclaim, small stones.
190, 191 Manogue	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
192 Manogue	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, slope.
200, 201, 202, 203 Northmore	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
210, 211 Luppino	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
221 Oppio	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
222 Oppio	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer, slope.
223*:				
Oppio	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
Rezave	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones.
Rock outcrop.				
230 Cradlebaugh	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
240 Updike	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
241 Updike	Good	Probable	Probable	Poor: area reclaim.
250, 251, 252 Cassiro	Fair: area reclaim, thin layer, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
260*:				
Acrelane	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
260*:				
Rock outcrop.				
262 Acrelane	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
280 Wedekind	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
281 Wedekind	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
282 Wedekind	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
290 Verdico Variant	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
291 Verdico Variant	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
300 Surgem	Poor: area reclaim, large stones.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: large stones.
301*:				
Surgem	Poor: area reclaim, large stones.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: large stones, slope.
Rock outcrop.				
302*:				
Surgem	Poor: area reclaim, large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: large stones, slope.
Rock outcrop.				
310*:				
Risley	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
Rock outcrop.				
311*:				
Risley	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer, slope.
Rock outcrop.				
312 Risley	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
313 Risley	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
314*:				
Risley	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer, slope.
Xman	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
341 Yuko	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
342*:				
Yuko	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Reywat	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
350 Mizel	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
351*:				
Mizel	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Skedaddle	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
Rock outcrop.				
360*. Pits				
370 Lemm	Good	Probable	Probable	Poor: small stones, area reclaim.
390 Duckhill	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
391*:				
Duckhill	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Hirschdale	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Fraval	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, slope.
400 Jubilee Variant	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt.
401 Jubilee Variant	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy, small stones, excess salt.
403 Jubilee Variant	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, excess salt.
410, 411 Ophir	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
420 Godecke	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt, excess sodium.
423 Godecke Variant	Fair: thin layer, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
430, 431 Sagouspe Variant	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer, wetness.
440, 441 Jubilee	Poor: wetness, frost action.	Probable	Improbable: too sandy.	Poor: wetness.
442 Jubilee	Poor: wetness, frost action.	Probable	Improbable: too sandy.	Poor: wetness, too sandy, small stones.
443 Jubilee	Poor: wetness, frost action.	Probable	Improbable: too sandy.	Poor: wetness, too sandy.
445 Jubilee	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
450 Voltaire	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
451, 452 Voltaire	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt, wetness, excess sodium.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
454 Voltaire	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
455*:				
Voltaire	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
Truckee	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: excess salt.
456 Voltaire	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim.
460, 461 Surprise	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
470 Dalzell	Good	Probable	Improbable: too sandy.	Poor: excess salt.
480, 482 Holbrook	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
490 Graufels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones.
491*:				
Graufels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones, slope.
Rock outcrop.				
492 Graufels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones, slope.
493*:				
Graufels	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Glenbrook	Poor: area reclaim.	Improbable: thin layer.	Improbable: too sandy.	Poor: area reclaim, too sandy, small stones.
494 Graufels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
495*:				
Graufels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Glenbrook	Poor: area reclaim.	Improbable: thin layer.	Improbable: too sandy.	Poor: area reclaim, too sandy, small stones.
Rock outcrop.				

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
496*:				
Graufels	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Glenbrook	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: too sandy.	Poor: area reclaim, too sandy, small stones.
Haypress	Poor: slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: large stones, area reclaim, slope.
500, 504, 505 Mottsville	Good	Probable	Improbable: too sandy.	Poor: too sandy, small stones.
510 Settlemeyer	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, area reclaim.
513*:				
Settlemeyer	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, area reclaim.
Notus	Good	Probable	Probable	Poor: small stones, area reclaim.
514 Settlemeyer	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, area reclaim.
520 Dressler	Fair: wetness.	Probable	Improbable: too sandy.	Poor: area reclaim, small stones.
530 Sagouspe	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy.
531 Sagouspe	Good	Improbable: excess fines.	Improbable: excess fines.	Good.
532 Sagouspe	Good	Probable	Probable	Poor: too sandy, area reclaim.
550, 551 Leviathan	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
553 Leviathan	Fair: slope, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
554 Leviathan	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
557 Leviathan	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
559 Leviathan	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
570 Turria	Fair: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Good.
585*:				
Barnard	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Trosi	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones.
590, 591 Springmeyer	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
595 Springmeyer	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
600, 601 Idlewild	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
602 Idlewild	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
612, 613 Verdico	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
614 Verdico	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
615 Verdico	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
620, 621 Orr	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
622 Orr	Good	Probable	Probable	Poor: small stones, area reclaim.
623, 624 Orr	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
630, 631 Fleischmann	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
632 Fleischmann	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim, small stones, slope.
640 Notus	Good	Probable	Probable	Poor: small stones, area reclaim.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
650 Chalco	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
651 Chalco	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
652, 653 Chalco	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
654*:				
Chalco	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
Celeton Variant	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
660, 661, 662 Oest	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
663 Oest	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
664 Oest	Good	Probable	Probable	Poor: small stones, area reclaim.
668 Oest	Poor: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
669 Oest	Good	Probable	Probable	Poor: small stones, area reclaim.
670 Galeppi	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: large stones.
671 Galeppi	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: large stones, slope.
673 Galeppi	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope.
674 Galeppi	Fair: low strength, frost action.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones.
676*:				
Galeppi	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones.
Barnard	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
681, 683 Reno	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
730 Stodick	Poor: area reclaim, thin layer.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
731 Stodick	Poor: area reclaim, slope, thin layer.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
740 Blackwell	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer, wetness.
752*:				
Toiyabe	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Corbett	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: too sandy, small stones, slope.
Rock outcrop.				
753*:				
Toiyabe	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Corbett	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: too sandy, small stones, slope.
Rock outcrop.				
754*:				
Toiyabe	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Rock outcrop.				
756*:				
Toiyabe	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Corbett	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: too sandy, small stones, slope.
Haypress	Poor: slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: large stones, area reclaim, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
772 Booford	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
775 Booford	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
780, 782 Bieber	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
800 Truckee	Fair: wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Good.
802 Truckee	Fair: wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt.
805 Truckee	Good	Probable	Probable	Poor: area reclaim, excess salt, excess sodium.
806 Truckee	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt.
810, 812, 813 Rose Creek	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
820, 821 Marla	Fair: wetness.	Improbable: thin layer.	Improbable: too sandy.	Fair: too sandy, small stones.
830, 831 Fettic	Fair: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt, excess sodium.
840*:				
Temo	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Witefels	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones, slope.
Rock outcrop.				
850 Washoe	Good	Probable	Probable	Poor: small stones, area reclaim.
861 Reywat	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim. small stones, slope.
862 Reywat	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
863*:				
Reywat	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
870*:				
Xman	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
Rock outcrop.				
871 Xman	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
872 Xman	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
873*:				
Xman	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
875*:				
Xman	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Zephan	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Mizel	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
876*:				
Xman	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Oppio	Poor: area reclaim, slope, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Old Camp	Poor: area reclaim, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
877*:				
Xman	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Frodo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Mizel	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
880*:				
Zephan	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Rock outcrop.				
Smallcone	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
881 Zephan	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
882 Zephan	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
890 Indiano	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
891 Indiano	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
892*:				
Indiano	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Koontz	Poor: thin layer, slope.	Improbable: excess fines, large stones, thin layer.	Improbable: excess fines, large stones, thin layer.	Poor: slope.
Flex	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
893*:				
Indiano	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
893*:				
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Cagle	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
894*:				
Indiano	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Skedaddle	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
895*:				
Indiano	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Zephan	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
900 Flex	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
901 Flex	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
903 Flex	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
910, 911 Vamp	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt.
930 Old Camp	Poor: area reclaim, large stones.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
931*:				
Old Camp extremely stony	Poor: area reclaim, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
931*:				
Old Camp stony	Poor: area reclaim, large stones.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
Rock outcrop.				
932 Old Camp	Poor: area reclaim, large stones.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones.
960, 961, 962 Kayo	Good	Probable	Probable	Poor: small stones, area reclaim.
963 Kayo	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
971, 974 Aladshi	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
980 Koontz	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
982 Koontz	Poor: thin layer.	Improbable: excess fines, large stones, thin layer.	Improbable: excess fines, large stones, thin layer.	Poor: slope.
990*. Rock outcrop				
991*: Xeric Torriorthents.				
Urban land.				
992*. Playas				
993*. Haplaquolls				
994*: Badland.				
Chalco	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Verdico	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
996*: Dune land.				
Playas.				
997*. Badland				
998*. Beaches				

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1010 Gabica	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1040 Orr Variant	Fair: thin layer, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
1041 Orr Variant	Fair: thin layer, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
1050 Waspo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, slope.
1051 Waspo	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, slope.
1052*:				
Waspo	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, slope.
Rock outcrop.				
1054 Waspo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, small stones.
1060*:				
Witefels	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones, slope.
Rock outcrop.				
1062*:				
Witefels	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy, small stones, slope.
Rock outcrop.				
1080 Inville Variant	Fair: wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
1090 Railcity	Poor: slope.	Probable	Improbable: too sandy.	Poor: too sandy, small stones, area reclaim.
1091 Railcity	Good	Probable	Improbable: too sandy.	Poor: too sandy, small stones, area reclaim.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1100*:				
Graylock	Severe: slope.	Improbable: thin layer.	Improbable: too sandy.	Poor: slope, too sandy, small stones.
Temo	Poor: area reclaim, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, too sandy, small stones.
Rock outcrop.				
1120 Apmat	Fair: large stones.	Improbable: large stones.	Improbable: large stones.	Poor: too sandy, area reclaim, small stones.
1121 Apmat	Fair: large stones.	Improbable: large stones.	Improbable: large stones.	Poor: area reclaim, small stones.
1130 Dithod	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones.
1141, 1142, 1143 Bedell	Good	Probable	Improbable: too sandy.	Fair: too sandy, small stones, area reclaim.
1160, 1161 Jowec	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
1170, 1171 Wedertz	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, area reclaim.
1172 Wedertz	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy.
1181*:				
Haypress	Poor: slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: large stones, area reclaim, slope.
Tanob	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Rock outcrop.				
1182*:				
Haypress	Poor: slope, large stones.	Improbable: thin layer.	Improbable: thin layer.	Poor: large stones, area reclaim, slope.
Tanob	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Rock outcrop.				

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1183*:				
Haypress	Poor: slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: large stones, area reclaim, slope.
Rock outcrop.				
1190, 1191 Spasprey	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim, small stones.
1192 Spasprey	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy.
1193, 1194 Spasprey	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim, small stones.
1200 Mellor	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt.
1210 Linhart	Good	Probable	Improbable: too sandy.	Poor: too sandy, small stones, area reclaim.
1211 Linhart	Fair: slope.	Probable	Improbable: too sandy.	Poor: too sandy, small stones, area reclaim.
1220 Calpine	Good	Probable	Improbable: too sandy.	Fair: small stones.
1240 Pizene	Good	Improbable: excess fines.	Improbable: excess fines.	Good.
1250, 1251 Rednik	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1260*:				
Thulepah	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Mosquet	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1270*:				
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Indiano	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Lemm	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1271*:				
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Barshaad	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Arzo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
1272*:				
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Arzo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Reywat	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1273*:				
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Barshaad	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Frodo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1290 Parran	Poor: low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, excess salt.
1300 Rose Creek Variant	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
1301 Rose Creek Variant	Good	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, area reclaim.
1310 Bango	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Fair: small stones, excess salt.
1320*:				
Osobb	Poor: area reclaim, large stones, slope.	Improbable: large stones.	Improbable: large stones.	Poor: area reclaim, small stones, slope.
Rezave	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1320*:				
Fireball	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
1330*:				
Sutcliff	Poor: thin layer.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, area reclaim.
Kleinbush	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim.
Washoe	Fair: large stones.	Probable	Probable	Poor: area reclaim, small stones.
1331*:				
Sutcliff	Poor: thin layer.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, area reclaim.
Bundorf	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
Kleinbush	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim.
1340*:				
Hawsley	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy.
Ruhe	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
Bluewing	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1341*:				
Isolde	Good	Probable	Improbable: too sandy.	Poor: too sandy.
Dune land.				
1342*:				
Isolde	Good	Probable	Improbable: too sandy.	Poor: too sandy.
Playas.				
1344*:				
Isolde	Good	Probable	Improbable: too sandy.	Poor: too sandy.
Toulon	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1345 Hawsley	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: too sandy.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1350*:				
Stumble	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
Ruhe	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
Bluewing	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1351 Stumble	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
1360*:				
Trocken	Good	Probable	Probable	Poor: small stones, area reclaim.
Stumble	Good	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
Bluewing	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1361*:				
Trocken	Good	Probable	Probable	Poor: small stones, area reclaim.
Ruhe	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
Bluewing	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1362*:				
Trocken	Good	Probable	Probable	Poor: small stones, area reclaim.
Badland.				
1363 Trocken	Good	Probable	Probable	Poor: small stones, area reclaim.
1364*:				
Trocken	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
Wrango	Fair: large stones.	Improbable: small stones.	Probable	Poor: small stones, area reclaim.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1370*:				
Singatse	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Fireball	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Rednik	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
1371*:				
Singatse	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Flex	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Acrelane	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1372*:				
Singatse	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Isolde	Good	Probable	Improbable: too sandy.	Poor: too sandy.
1373*:				
Singatse	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Mizel	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Stingdorn	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, small stones, slope.
1374*:				
Singatse	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Fireball	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1374*:				
Osobb	Poor: area reclaim, large stones.	Improbable: large stones.	Improbable: large stones.	Poor: area reclaim, small stones, slope.
1380*:				
Stingdorn	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, small stones, slope.
Singatse	Poor: area reclaim.	Improbable: thin layer.	Improbable: thin layer.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
1390*:				
Pirouette	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
Osobb	Poor: area reclaim, large stones.	Improbable: large stones.	Improbable: large stones.	Poor: area reclaim, small stones, slope.
Rock outcrop.				
1400*:				
Softscrabble	Poor: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Gabica	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Burnborough	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
1401*:				
Softscrabble	Poor: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Gabica	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Sumine	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
1410*:				
Burnborough	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1410*:				
Ticino	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Gabica	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1411*:				
Burnborough	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Ticino	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Softscrabble	Poor: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
1420*:				
Barshaad	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
Fugawee	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Duckhill Variant	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
1430*:				
Fraval	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, slope.
Booford	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Jumbo	Poor: slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: large stones, area reclaim, slope.
1431*:				
Fraval	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, slope.
Hirschdale	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Duckhill Variant	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1432*:				
Fraval	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, slope.
Hirschdale	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Jumbo	Poor: slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: large stones, area reclaim, slope.
1440 Tallac	Poor: large stones.	Improbable: excess fines.	Improbable: excess fines.	Poor: large stones, slope.
1441 Tallac	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
1450*:				
Meiss	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Sibelia	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Rock outcrop.				
1460*:				
Jorge	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Boomtown	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Fugawee	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
1470*:				
Carioca	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
Sibelia Variant	Fair: large stones, wetness, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Fugawee	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1480*:				
Macareeno	Fair: wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim.
Blackwell	Poor: wetness.	Improbable; excess fines.	Improbable: excess fines.	Poor: thin layer, wetness.
Carioca	Fair: slope, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
1490*:				
Arzo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Indiano	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Barnard	Poor: area reclaim, low strength, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
1510*:				
Cagle	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Nosrac	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Old Camp	Poor: area reclaim, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
1520*:				
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Smallcone	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Cagle	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
1521*:				
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Yuko	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1521*:				
Lemm	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
1522*:				
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Pahrange	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Lemm	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
1530*:				
Bombadil	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Hefed	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Rubble land.				
1531*:				
Bombadil	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Hefed	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
Fireball	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, area reclaim, slope.
1540*:				
McQuarrie	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Arzo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1541*:				
McQuarrie	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Duco	Poor: area reclaim, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
Tristan	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Poor: area reclaim, small stones, slope.
1550*:				
Skedaddle	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, large stones, slope.
Pahrange	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, slope.
Lemm	Fair: slope.	Probable	Probable	Poor: small stones, area reclaim, slope.
1570*:				
Bluewing	Fair: large stones.	Probable	Probable	Poor: small stones, area reclaim.
Biddleman	Good	Improbable: small stones.	Probable	Poor: small stones, area reclaim.
Bundorf	Poor: area reclaim, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
1580*:				
Frodo	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
Xman	Poor: area reclaim, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones, slope.
Oppio	Poor: area reclaim, low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
1590 Ruhe	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.
1600*:				
Wrango	Fair: large stones.	Improbable: small stones.	Probable	Poor: small stones, area reclaim.

See footnote at end of table.

TABLE 11.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
1600*:				
Ruhe	Poor: area reclaim.	Probable	Probable	Poor: area reclaim, small stones.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 12.--WATER MANAGEMENT

[Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," and "severe." Absence of an entry indicates that the soil was not evaluated. The information in this table indicates the dominant soil condition and does not eliminate the need for onsite investigation]

Soil name and map symbol	Limitations for--		Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions
101 Aquinas	Moderate: cemented pan, slope.	Moderate: thin layer, piping.	Deep to water	Soil blowing, percs slowly, cemented pan.	Cemented pan, soil blowing.
102, 106 Aquinas	Severe: slope.	Moderate: thin layer, piping.	Deep to water	Soil blowing, percs slowly, cemented pan.	Slope, cemented pan, soil blowing.
110 Jowec Variant	Moderate: slope.	Slight	Deep to water	Soil blowing, percs slowly, slope.	Soil blowing.
111*:					
Jowec Variant	Severe: slope.	Slight	Deep to water	Soil blowing, percs slowly, slope.	Slope, soil blowing.
Greenbrae	Moderate: seepage, slope.	Severe: piping.	Deep to water	Soil blowing, percs slowly, slope.	Too sandy, soil blowing.
120 Doten	Slight	Severe: hard to pack.	Deep to water	Slow intake, percs slowly.	Percs slowly, poor outlets.
121 Doten	Severe: slope.	Severe: hard to pack.	Deep to water	Slow intake, percs slowly, slope.	Slope, percs slowly.
130 Greenbrae	Severe: seepage.	Severe: piping.	Deep to water	Soil blowing, percs slowly.	Soil blowing, percs slowly.
131 Greenbrae	Moderate: seepage.	Severe: piping.	Deep to water	Soil blowing, percs slowly.	Too sandy, soil blowing.
132 Greenbrae	Moderate: seepage, slope.	Severe: piping.	Deep to water	Soil blowing, percs slowly, slope.	Too sandy, soil blowing.
134 Greenbrae	Severe: seepage.	Severe: piping.	Deep to water	Soil blowing, percs slowly, slope.	Soil blowing, percs slowly.
136 Greenbrae	Moderate: seepage, slope.	Severe: piping.	Deep to water	Soil blowing, percs slowly, slope.	Too sandy, soil blowing.
140, 141 Haybourne	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Too sandy.
142 Haybourne	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Slope, too sandy.
150, 151 Doten Variant	Slight	Severe: excess salt.	Deep to water	Slow intake, percs slowly, erodes easily.	Erodes easily, percs slowly.
160 Incy	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
161 Incy	Severe: seepage, slope.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Slope, too sandy, soil blowing.
171 Indian Creek	Severe: seepage, cemented pan.	Severe: seepage.	Deep to water	Droughty, percs slowly.	Large stones, cemented pan.
172 Indian Creek	Severe: seepage, cemented pan.	Severe: seepage.	Deep to water	Droughty, soil blowing, percs slowly.	Large stones, cemented pan.
173 Indian Creek	Severe: seepage, cemented pan, slope.	Severe: seepage.	Deep to water	Droughty, soil blowing, percs slowly.	Slope, large stones, cemented pan.
174 Indian Creek	Severe: cemented pan.	Severe: hard to pack, large stones.	Deep to water	Large stones, percs slowly, cemented pan.	Large stones, cemented pan, percs slowly.
175 Indian Creek	Severe: seepage, cemented pan.	Severe: seepage.	Deep to water	Droughty, percs slowly.	Large stones, cemented pan.
176*:					
Indian Creek	Severe: seepage, cemented pan, slope.	Severe: seepage.	Deep to water	Droughty, percs slowly.	Slope, large stones, cemented pan.
Reno	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Slope, large stones, cemented pan.
Washoe	Severe: slope.	Moderate: thin layer, large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
190 Manogue	Moderate: depth to rock, slope.	Severe: hard to pack.	Deep to water	Slow intake, percs slowly, slope.	Percs slowly.
191, 192 Manogue	Severe: slope.	Severe: hard to pack.	Deep to water	Slow intake, percs slowly, slope.	Slope, percs slowly.
200 Northmore	Moderate: seepage.	Slight	Deep to water	Soil blowing, percs slowly.	Soil blowing, percs slowly.
201, 202 Northmore	Moderate: seepage, slope.	Slight	Deep to water	Soil blowing, percs slowly, slope.	Soil blowing, percs slowly.
203 Northmore	Severe: slope.	Slight	Deep to water	Soil blowing, percs slowly, slope.	Slope, soil blowing, percs slowly.
210 Luppino	Severe: depth to rock.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Depth to rock.
211 Luppino	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
221, 222 Oppio	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
223*:					
Oppio	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Rezave	Severe: depth to rock.	Severe: thin layer.	Deep to water	Large stones, droughty, percs slowly.	Large stones, depth to rock.
Rock outcrop.					
230 Cradlebaugh	Severe: seepage.	Severe: wetness, excess salt.	Flooding, frost action, excess salt.	Wetness, flooding, excess salt.	Erodes easily, wetness.
240 Updike	Slight	Moderate: hard to pack, excess salt.	Deep to water	Percs slowly, erodes easily, excess salt.	Erodes easily, percs slowly.
241 Updike	Moderate: seepage.	Moderate: thin layer, hard to pack, excess salt.	Deep to water	Percs slowly, erodes easily, excess salt.	Erodes easily, percs slowly.
250, 251 Cassiro	Moderate: depth to rock, slope.	Moderate: thin layer.	Deep to water	Droughty, slope.	Favorable.
252 Cassiro	Severe: slope.	Moderate: thin layer.	Deep to water	Droughty, slope.	Slope.
260*:					
Acrelane	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
262 Acrelane	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
280, 281, 282 Wedekind	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
290, 291 Verdico Variant	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
300 Surgem	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, percs slowly.	Slope, large stones, depth to rock.
301*, 302*:					
Surgem	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, percs slowly.	Slope, large stones, depth to rock.
Rock outcrop.					
310*, 311*:					
Risley	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Rock outcrop.					

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
312, 313 Risley	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
314*:					
Risley	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Rock outcrop.					
341 Yuko	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock, erodes easily.
342*:					
Yuko	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock, erodes easily.
Reywat	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Rock outcrop.					
350 Mizel	Severe: depth to rock, slope.	Slight	Deep to water	Depth to rock, slope.	Slope, depth to rock.
351*:					
Mizel	Severe: depth to rock, slope.	Slight	Deep to water	Depth to rock, slope.	Slope, depth to rock.
Skedaddle	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
360*. Pits					
370 Lemm	Severe: seepage.	Severe: thin layer.	Deep to water	Droughty, slope.	Favorable.
390 Duckhill	Severe: depth to rock, slope.	Moderate: large stones.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
391*:					
Duckhill	Severe: depth to rock, slope.	Moderate: large stones.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Hirschdale	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Fraval	Severe: slope.	Severe: large stones.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
400 Jubilee Variant	Severe: seepage.	Severe: seepage, piping, wetness.	Frost action, cutbanks cave, excess salt.	Wetness, droughty, fast intake.	Wetness, too sandy, soil blowing.
401 Jubilee Variant	Severe: seepage.	Severe: seepage, piping, wetness.	Frost action, cutbanks cave.	Wetness, droughty, fast intake.	Wetness, too sandy, soil blowing.
403 Jubilee Variant	Severe: seepage.	Severe: seepage, piping, wetness.	Frost action, cutbanks cave.	Wetness	Wetness, too sandy.
410 Ophir	Severe: seepage.	Severe: seepage, wetness.	Slope, cutbanks cave.	Wetness, droughty, fast intake.	Wetness, too sandy, soil blowing.
411 Ophir	Severe: seepage.	Severe: seepage, wetness.	Cutbanks cave	Wetness, droughty, fast intake.	Wetness, too sandy, soil blowing.
420 Godecke	Slight	Severe: excess sodium, excess salt.	Percs slowly, excess salt, excess sodium.	Wetness, fast intake, soil blowing.	Wetness, soil blowing, percs slowly.
423 Godecke Variant	Moderate: cemented pan.	Moderate: thin layer, excess salt.	Deep to water	Fast intake, soil blowing, percs slowly.	Soil blowing, percs slowly.
430, 431 Sagouspe Variant	Severe: seepage.	Severe: piping, wetness.	Frost action, cutbanks cave.	Wetness, droughty, fast intake.	Erodes easily, wetness, too sandy.
440, 441 Jubilee	Severe: seepage.	Severe: piping, wetness.	Wetness, cutbanks cave, poor outlets.	Wetness, seepage.	Wetness, poor outlets.
442, 443 Jubilee	Severe: seepage.	Severe: piping, wetness.	Wetness, cutbanks cave, poor outlets.	Wetness, fast intake, droughty.	Wetness, poor outlets.
445 Jubilee	Severe: seepage.	Severe: piping.	Deep to water	Soil blowing	Too sandy, soil blowing.
450, 451 Voltaire	Slight	Severe: wetness.	Percs slowly, frost action, cutbanks cave.	Wetness, percs slowly.	Wetness, too sandy, percs slowly.
452 Voltaire	Slight	Severe: wetness, excess sodium, excess salt.	Percs slowly, frost action, cutbanks cave.	Wetness, percs slowly, excess sodium.	Erodes easily, wetness, too sandy.
454 Voltaire	Slight	Moderate: piping.	Deep to water	Slow intake, percs slowly.	Too sandy, percs slowly.
455*:					
Voltaire	Slight	Moderate: piping.	Deep to water	Slow intake, percs slowly.	Too sandy, percs slowly.
Truckee	Slight	Severe: piping.	Deep to water	Erodes easily, excess salt.	Erodes easily.
456 Voltaire	Severe: seepage.	Moderate: thin layer, wetness.	Deep to water	Percs slowly, erodes easily.	Erodes easily, percs slowly.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
460 Surprise	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Soil blowing.
461 Surprise	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, slope.	Soil blowing.
470 Dalzell	Severe: seepage.	Severe: seepage, piping.	Deep to water	Fast intake, soil blowing, cemented pan.	Cemented pan.
480 Holbrook	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Too sandy.
482 Holbrook	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Large stones, too sandy.
490 Graufels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, depth to rock, too sandy.
491*:					
Graufels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, depth to rock, too sandy.
Rock outcrop.					
492 Graufels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, depth to rock, too sandy.
493*:					
Graufels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, depth to rock.	Slope, depth to rock, too sandy.
Glenbrook	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, large stones, depth to rock.
494 Graufels	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, depth to rock.	Depth to rock, too sandy.
495*:					
Graufels	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, depth to rock.	Depth to rock, too sandy.
Glenbrook	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, large stones, depth to rock.
Rock outcrop.					
496*:					
Graufels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, depth to rock.	Slope, depth to rock, too sandy.
Glenbrook	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, large stones, depth to rock.
Haypress	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, slope, droughty.	Large stones, slope, too sandy.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
500 Mottsville	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
504 Mottsville	Severe: seepage, slope.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Slope, too sandy, soil blowing.
505 Mottsville	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
510 Settlemeyer	Moderate: seepage.	Severe: piping, wetness.	Frost action	Wetness	Erodes easily, wetness, too sandy.
513*:					
Settlemeyer	Moderate: seepage.	Severe: piping, wetness.	Frost action	Wetness	Erodes easily, wetness, too sandy.
Notus	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, too sandy, soil blowing.
514 Settlemeyer	Moderate: seepage, slope.	Severe: piping, wetness.	Frost action, slope.	Wetness, slope.	Erodes easily, wetness, too sandy.
520 Dressler	Severe: seepage.	Severe: seepage.	Large stones, frost action, slope.	Wetness, droughty, fast intake.	Large stones, wetness, too sandy.
530 Sagouspe	Severe: seepage.	Severe: seepage, piping.	Cutbanks cave.	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
531 Sagouspe	Severe: seepage.	Severe: seepage, piping.	Cutbanks cave.	Soil blowing	Too sandy, soil blowing.
532 Sagouspe	Severe: seepage.	Severe: seepage, piping.	Cutbanks cave.	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
550 Leviathan	Slight	Moderate: large stones.	Deep to water	Droughty	Large stones.
551 Leviathan	Moderate: slope.	Moderate: large stones.	Deep to water	Droughty, slope.	Large stones.
553 Leviathan	Severe: slope.	Moderate: large stones.	Deep to water	Droughty, slope.	Slope, large stones.
554 Leviathan	Moderate: slope.	Moderate: large stones.	Deep to water	Droughty, percs slowly.	Large stones, percs slowly.
557 Leviathan	Severe: slope.	Moderate: large stones.	Deep to water	Droughty, percs slowly.	Slope, large stones, percs slowly.
559 Leviathan	Moderate: slope.	Moderate: large stones.	Deep to water	Large stones, droughty, percs slowly.	Large stones, percs slowly.
570 Turria	Moderate: seepage.	Severe: piping.	Deep to water	Erodes easily	Erodes easily.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
585*:					
Barnard	Moderate: cemented pan, slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Large stones, cemented pan.
Trosi	Severe: cemented pan.	Severe: large stones.	Deep to water	Large stones, droughty, percs slowly.	Large stones, cemented pan.
590 Springmeyer	Moderate: seepage.	Slight	Deep to water	Percs slowly	Favorable.
591 Springmeyer	Moderate: seepage, slope.	Slight	Deep to water	Percs slowly, slope.	Favorable.
595 Springmeyer	Moderate: seepage.	Slight	Deep to water	Percs slowly	Too sandy.
600 Idlewild	Slight	Slight	Deep to water	Percs slowly	Percs slowly.
601 Idlewild	Slight	Slight	Deep to water	Soil blowing, percs slowly.	Soil blowing, percs slowly.
602 Idlewild	Slight	Moderate: wetness.	Percs slowly, frost action.	Wetness, percs slowly.	Wetness, percs slowly.
612 Verdico	Moderate: depth to rock, slope.	Severe: hard to pack.	Deep to water	Percs slowly, depth to rock.	Depth to rock.
613, 614 Verdico	Severe: slope.	Severe: hard to pack.	Deep to water	Percs slowly, depth to rock.	Slope, depth to rock.
615 Verdico	Moderate: depth to rock, slope.	Severe: hard to pack.	Deep to water	Soil blowing, percs slowly, depth to rock.	Depth to rock, soil blowing.
620, 621 Orr	Moderate: seepage, slope.	Slight	Deep to water	Slope	Favorable.
622 Orr	Severe: seepage.	Severe: seepage.	Deep to water	Slope	Too sandy.
623, 624 Orr	Moderate: seepage.	Slight	Deep to water	Favorable	Favorable.
630, 631 Fleischmann	Moderate: cemented pan, slope.	Severe: hard to pack.	Deep to water	Percs slowly, cemented pan, slope.	Cemented pan, percs slowly.
632 Fleischmann	Severe: slope.	Severe: hard to pack.	Deep to water	Percs slowly, cemented pan, slope.	Slope, cemented pan, percs slowly.
640 Notus	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, too sandy, soil blowing.
650, 651 Chalco	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
652 Chalco	Severe: depth to rock.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Depth to rock, percs slowly.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
653 Chalco	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
654*:					
Chalco	Severe: depth to rock.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Depth to rock, percs slowly.
Celeton Variant	Severe: depth to rock.	Slight	Deep to water	Depth to rock, slope.	Depth to rock.
660, 661, 662 Oest	Moderate: seepage, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, slope.	Large stones.
663, 664 Oest	Severe: slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones.
668 Oest	Severe: slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
669 Oest	Moderate: seepage.	Severe: seepage.	Deep to water	Droughty	Large stones.
670 Galeppi	Moderate: seepage, slope.	Severe: thin layer.	Deep to water	Soil blowing, slope.	Soil blowing.
671, 673 Galeppi	Severe: slope.	Severe: thin layer.	Deep to water	Soil blowing, slope.	Slope, soil blowing.
674 Galeppi	Severe: slope.	Severe: large stones.	Slope	Large stones, droughty, slope.	Large stones.
676*:					
Galeppi	Severe: slope.	Severe: thin layer.	Deep to water	Large stones, droughty, slope.	Slope, soil blowing.
Barnard	Moderate: cemented pan, slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Large stones, cemented pan.
681 Reno	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Slope, large stones, cemented pan.
683 Reno	Moderate: depth to rock, cemented pan, slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Large stones, cemented pan.
730, 731 Stodick	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
740 Blackwell	Slight	Severe: piping, wetness.	Flooding, frost action.	Wetness	Wetness, too sandy.
752*, 753*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
752*, 753*:					
Corbett	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, depth to rock, too sandy.
Rock outcrop.					
754*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake.	Slope, large stones, depth to rock.
Rock outcrop.					
756*:					
Toiyabe	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake.	Slope, large stones, depth to rock.
Corbett	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, depth to rock, too sandy.
Haypress	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, slope, droughty.	Large stones, slope, too sandy.
772, 775 Booford	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
780 Bieber	Severe: cemented pan.	Severe: seepage.	Deep to water	Percs slowly, cemented pan.	Large stones, cemented pan.
782 Bieber	Severe: cemented pan, slope.	Severe: seepage.	Deep to water	Percs slowly, cemented pan, slope.	Slope, large stones, cemented pan.
800 Truckee	Slight	Severe: piping.	Frost action	Wetness, erodes easily.	Erodes easily, wetness.
802 Truckee	Slight	Severe: piping, excess salt.	Frost action, excess salt.	Wetness, erodes easily, excess salt.	Erodes easily, wetness.
805 Truckee	Severe: seepage.	Severe: seepage.	Deep to water	Excess salt	Too sandy.
806 Truckee	Severe: seepage.	Severe: seepage, piping, excess salt.	Frost action, cutbanks cave, excess salt.	Excess salt	Favorable.
810 Rose Creek	Severe: seepage.	Severe: piping.	Deep to water	Favorable	Too sandy.
812 Rose Creek	Severe: seepage.	Severe: piping.	Deep to water	Fast intake, soil blowing.	Too sandy, soil blowing.
813 Rose Creek	Severe: seepage.	Severe: piping.	Deep to water	Favorable	Too sandy.
820 Marla	Severe: seepage.	Severe: seepage, piping, wetness.	Flooding, slope, cutbanks cave.	Wetness, droughty, fast intake.	Wetness, too sandy.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
821 Marla	Severe: seepage.	Severe: seepage, piping, wetness.	Flooding, cutbanks cave.	Wetness, droughty, fast intake.	Wetness, too sandy.
830, 831 Fettic	Slight	Severe: wetness, excess sodium, excess salt.	Percs slowly, frost action, cutbanks cave.	Wetness, percs slowly.	Erodes easily, wetness, too sandy.
840*:					
Temo	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, large stones, depth to rock.
Witefels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, depth to rock, too sandy.
Rock outcrop.					
850 Washoe	Moderate: seepage.	Moderate: thin layer, large stones.	Deep to water	Droughty	Large stones.
861, 862 Reywat	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
863*:					
Reywat	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Rock outcrop.					
870*:					
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Rock outcrop.					
871, 872 Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
873*:					
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Rock outcrop.					
875*:					
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Zephan	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Large stones, percs slowly, depth to rock.	Slope, large stones, depth to rock.
Mizel	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
876*:					
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Oppio	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock.
Old Camp	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
877*:					
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Slope, large stones, depth to rock.
Mizel	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
880*:					
Zephan	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Large stones, percs slowly, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
Smallcone	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
881, 882 Zephan	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Large stones, percs slowly, depth to rock.	Slope, large stones, depth to rock.
890, 891 Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
892*:					
Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
Koontz	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, rooting depth, slope.	Large stones, small stones, slope.
Flex	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
893*:					
Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
893*:					
Cagle	Severe: slope.	Moderate: thin layer, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
894*:					
Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Skedaddle	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
895*:					
Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Zephan	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Large stones, percs slowly, depth to rock.	Slope, large stones, depth to rock.
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
900, 901, 903 Flex	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
910 Vamp	Moderate: seepage, cemented pan.	Severe: piping, excess salt.	Deep to water	Soil blowing, cemented pan, excess salt.	Cemented pan.
911 Vamp	Moderate: seepage, cemented pan.	Severe: piping, excess salt.	Deep to water	Cemented pan, excess salt.	Cemented pan, erodes easily.
930 Old Camp	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
931*:					
Old Camp extremely stony	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Old Camp stony	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
932 Old Camp	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
960, 961, 962 Kayo	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, slope.	Too sandy.
963 Kayo	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, too sandy.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
971 Aladshi	Severe: seepage.	Severe: seepage.	Deep to water	Soil blowing, slope.	Too sandy, soil blowing.
974 Aladshi	Severe: seepage.	Severe: seepage.	Deep to water	Slope	Too sandy.
980 Koontz	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
982 Koontz	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, rooting depth, slope.	Large stones, small stones, slope.
990*. Rock outcrop					
991*: Xeric Torriorthents.					
Urban land.					
992*. Playas					
993*. Haplaquolls					
994*: Badland.					
Chalco	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Verdico	Severe: slope.	Severe: hard to pack.	Deep to water	Percs slowly, depth to rock.	Slope, depth to rock.
996*: Dune land.					
Playas.					
997*. Badland					
998*. Beaches					
1010 Gabica	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Large stones, droughty.	Slope, large stones, depth to rock.
1040 Orr Variant	Slight	Severe: piping.	Deep to water	Favorable	Erodes easily.
1041 Orr Variant	Slight	Severe: piping.	Deep to water	Soil blowing	Erodes easily, soil blowing.
1050, 1051 Waspo	Severe: slope.	Severe: thin layer.	Deep to water	Slow intake, percs slowly, depth to rock.	Slope, depth to rock, percs slowly.
1052*: Waspo	Severe: slope.	Severe: thin layer.	Deep to water	Slow intake, percs slowly, depth to rock.	Slope, depth to rock, percs slowly.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1052*: Rock outcrop.					
1054 Waspo	Moderate: depth to rock, slope.	Severe: thin layer.	Deep to water	Slow intake, percs slowly, depth to rock.	Depth to rock, percs slowly.
1060*, 1062*:					
Witefels	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, depth to rock, too sandy.
Rock outcrop.					
1080 Inville Variant	Moderate: slope.	Moderate: wetness.	Frost action, slope.	Wetness, slope.	Wetness.
1090, 1091 Railcity	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones, too sandy.
1100*:					
Graylock	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, slope.	Erodes easily, slope, too sandy.
Temo	Severe: depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
1120 Apmat	Severe: seepage.	Severe: large stones.	Deep to water	Large stones, droughty, fast intake.	Large stones.
1121 Apmat	Severe: seepage.	Severe: large stones.	Deep to water	Large stones, droughty.	Large stones.
1130 Dithod	Slight	Severe: piping.	Deep to water	Favorable	Favorable.
1141, 1142 Bedell	Severe: seepage.	Severe: piping.	Deep to water	Droughty, fast intake, soil blowing.	Soil blowing.
1143 Bedell	Severe: seepage, slope.	Severe: piping.	Deep to water	Droughty, fast intake, soil blowing.	Slope, soil blowing.
1160, 1161 Jowec	Moderate: seepage.	Severe: piping.	Deep to water	Percs slowly, erodes easily.	Erodes easily.
1170, 1171 Wedertz	Severe: seepage.	Severe: seepage.	Deep to water	Soil blowing, slope.	Too sandy, soil blowing.
1172 Wedertz	Severe: seepage.	Severe: seepage.	Deep to water	Fast intake, soil blowing, slope.	Too sandy, soil blowing.
1181*, 1182*:					
Haypress	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, slope, droughty.	Large stones, slope, too sandy.
Tanob	Severe: slope.	Severe: piping.	Deep to water	Droughty, fast intake, soil blowing.	Slope, depth to rock, soil blowing.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1181*, 1182*: Rock outcrop.					
1183*: Haypress	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, slope, droughty.	Large stones, slope, too sandy.
Rock outcrop.					
1190 Spasprey	Moderate: seepage, cemented pan.	Severe: seepage, piping.	Deep to water	Droughty, soil blowing, cemented pan.	Cemented pan, too sandy, soil blowing.
1191, 1192, 1193 Spasprey	Moderate: seepage, cemented pan, slope.	Severe: seepage, piping.	Deep to water	Droughty, soil blowing, cemented pan.	Cemented pan, too sandy, soil blowing.
1194 Spasprey	Moderate: seepage, cemented pan, slope.	Severe: seepage, piping.	Deep to water	Cemented pan	Cemented pan, too sandy.
1200 Mellor	Slight	Severe: excess salt.	Deep to water	Percs slowly, erodes easily, excess salt.	Erodes easily, percs slowly.
1210 Linhart	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, soil blowing, slope.	Too sandy, soil blowing.
1211 Linhart	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, soil blowing, slope.	Slope, too sandy, soil blowing.
1220 Calpine	Severe: seepage.	Severe: piping.	Deep to water	Droughty, soil blowing, slope.	Soil blowing.
1240 Pizene	Severe: seepage.	Severe: piping.	Deep to water	Slope, excess salt.	Favorable.
1250 Rednik	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Large stones, too sandy.
1251 Rednik	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Slope, large stones, too sandy.
1260*: Thulepah	Severe: slope.	Slight	Deep to water	Percs slowly, slope.	Slope, percs slowly.
Mosquet	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, percs slowly, depth to rock.	Slope, large stones, depth to rock.
1270*: Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Indiano	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1270*:					
Lemm	Severe: seepage, slope.	Severe: thin layer.	Deep to water	Droughty, slope.	Slope.
1271*:					
Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Barshaad	Severe: slope.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Slope, depth to rock, erodes easily.
Arzo	Severe: slope.	Moderate: thin layer, hard to pack.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
1272*:					
Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Arzo	Severe: slope.	Moderate: thin layer, hard to pack.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Reywat	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
1273*:					
Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Barshaad	Severe: slope.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Slope, depth to rock, erodes easily.
Frodo	Severe: depth to rock, cemented pan, slope.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Slope, large stones, depth to rock.
1290 Parran	Slight	Severe: excess salt.	Percs slowly, frost action, excess salt.	Wetness, percs slowly, erodes easily.	Erodes easily, wetness, percs slowly.
1300 Rose Creek Variant	Slight	Severe: piping.	Deep to water	Soil blowing	Erodes easily, too sandy, soil blowing.
1301 Rose Creek Variant	Slight	Severe: piping.	Deep to water	Fast intake, soil blowing.	Erodes easily, too sandy, soil blowing.
1310 Bango	Moderate: slope.	Severe: piping.	Deep to water	Slope, excess salt.	Erodes easily.
1320*:					
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1320*:					
Rezave	Severe: depth to rock.	Severe: thin layer.	Deep to water	Large stones, droughty, percs slowly.	Large stones, depth to rock.
Fireball	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
1330*:					
Sutcliff	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones, erodes easily.
Kleinbush	Moderate: slope.	Moderate: hard to pack, excess salt.	Deep to water	Fast intake, percs slowly, slope.	Erodes easily, percs slowly.
Washoe	Severe: slope.	Moderate: thin layer, large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
1331*:					
Sutcliff	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones, erodes easily.
Bundorf	Severe: cemented pan, slope.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Slope, large stones, cemented pan.
Kleinbush	Moderate: slope.	Moderate: hard to pack, excess salt.	Deep to water	Fast intake, percs slowly, slope.	Erodes easily, percs slowly.
1340*:					
Hawsley	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
Ruhe	Severe: seepage, depth to rock.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, depth to rock.
Bluewing	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Slope, large stones, too sandy.
1341*:					
Isolde	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
Dune land.					
1342*:					
Isolde	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
Playas.					
1344*:					
Isolde	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1344*:					
Toulon	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Large stones, too sandy.
1345 Hawsley	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
1350*:					
Stumble	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, too sandy, soil blowing.
Ruhe	Severe: seepage, depth to rock.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, depth to rock.
Bluewing	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Large stones, too sandy.
1351 Stumble	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
1360*:					
Trocken	Severe: slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones, too sandy.
Stumble	Severe: seepage, slope.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Slope, too sandy, soil blowing.
Bluewing	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Slope, large stones, too sandy.
1361*:					
Trocken	Severe: slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones, too sandy.
Ruhe	Severe: seepage, depth to rock, slope.	Severe: seepage.	Deep to water	Droughty, fast intake.	Slope, large stones, depth to rock.
Bluewing	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Slope, large stones, too sandy.
1362*:					
Trocken	Severe: slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones, too sandy.
Badland.					
1363 Trocken	Moderate: seepage, slope.	Severe: seepage.	Deep to water	Droughty, slope.	Large stones, too sandy.
1364*:					
Trocken	Severe: slope.	Severe: seepage.	Deep to water	Droughty, slope.	Slope, large stones, too sandy.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1364*:					
Wrango	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Large stones, too sandy.
1370*:					
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, large stones, depth to rock.
Fireball	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Rednik	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Slope, large stones, too sandy.
1371*:					
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, large stones, depth to rock.
Flex	Severe: depth to rock, slope.	Slight	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
Acrelane	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
1372*:					
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, large stones, depth to rock.
Isolde	Severe: seepage.	Severe: seepage, piping.	Deep to water	Droughty, fast intake, soil blowing.	Too sandy, soil blowing.
1373*:					
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, large stones, depth to rock.
Mizel	Severe: depth to rock, slope.	Slight	Deep to water	Depth to rock, slope.	Slope, depth to rock.
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: seepage.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
1374*:					
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, large stones, depth to rock.
Fireball	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1380*:					
Stingdorn	Severe: depth to rock, cemented pan, slope.	Severe: seepage.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Singatse	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock. slope.	Slope, large stones, depth to rock.
Rock outcrop.					
1390*:					
Pirouette	Severe: depth to rock, cemented pan.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, depth to rock.	Large stones, depth to rock.
Osobb	Severe: depth to rock, cemented pan, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Rock outcrop.					
1400*:					
Softscrabble	Severe: slope.	Severe: large stones.	Deep to water	Large stones, percs slowly, slope.	Slope, large stones, percs slowly.
Gabica	Severe: depth to rock, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty.	Slope, large stones, depth to rock.
Burnborough	Severe: slope.	Moderate: large stones.	Deep to water	Droughty, slope.	Slope, large stones.
1401*:					
Softscrabble	Severe: slope.	Severe: large stones.	Deep to water	Large stones, percs slowly, slope.	Slope, large stones, percs slowly.
Gabica	Severe: depth to rock, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty.	Slope, large stones, depth to rock.
Sumine	Severe: slope.	Severe: large stones.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
1410*:					
Burnborough	Severe: slope.	Moderate: large stones.	Deep to water	Droughty, slope.	Slope, large stones.
Ticino	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock, erodes easily.
Gabica	Severe: depth to rock, slope.	Severe: seepage, large stones.	Deep to water	Large stones, droughty.	Slope, large stones, depth to rock.
1411*:					
Burnborough	Severe: slope.	Moderate: large stones.	Deep to water	Droughty, slope.	Slope, large stones.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1411*:					
Ticino	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock, erodes easily.
Softscrabble	Severe: slope.	Severe: large stones.	Deep to water	Large stones, percs slowly, slope.	Slope, large stones, percs slowly.
1420*:					
Barshaad	Severe: slope.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Slope, depth to rock, erodes easily.
Fugawee	Severe: slope.	Severe: piping.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
Duckhill Variant	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
1430*:					
Fraval	Severe: slope.	Severe: large stones.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Booford	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Jumbo	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, slope.	Slope, large stones.
1431*:					
Fraval	Severe: slope.	Severe: large stones.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Hirschdale	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Duckhill Variant	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
1432*:					
Fraval	Severe: slope.	Severe: large stones.	Deep to water	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Hirschdale	Severe: slope.	Moderate: thin layer, hard to pack, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Jumbo	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, slope.	Slope, large stones.
1440 Tallac	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, droughty.	Slope, large stones.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for--		Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions
1441---------- Tallac	Severe: seepage, slope.	Severe: seepage, large stones.	Deep to water----	Large stones, droughty.	Slope, large stones.
1450*:					
Meiss----------	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water----	Large stones, depth to rock, slope.	Slope, large stones, depth to rock.
Sibelia----------	Severe: seepage, slope.	Severe: seepage, large stones.	Deep to water----	Large stones, droughty, slope.	Slope, large stones.
Rock outcrop.					
1460*:					
Jorge----------	Severe: seepage, slope.	Severe: seepage.	Deep to water----	Droughty, slope.	Slope, large stones.
Boomtown---------	Severe: slope.	Moderate: hard to pack.	Deep to water----	Percs slowly, slope.	Slope, percs slowly.
Fugawee----------	Severe: slope.	Severe: piping.	Deep to water----	Depth to rock, slope.	Slope, depth to rock.
1470*:					
Carioca----------	Severe: seepage, slope.	Moderate: thin layer, large stones.	Deep to water----	Droughty, slope.	Slope, large stones.
Sibelia Variant--	Severe: seepage, slope.	Moderate: piping, large stones, wetness.	Large stones, slope.	Large stones, wetness, droughty.	Slope, large stones, wetness.
Fugawee----------	Severe: slope.	Severe: piping.	Deep to water----	Depth to rock, slope.	Slope, depth to rock.
1480*:					
Macareeno--------	Severe: slope.	Moderate: wetness.	Percs slowly, frost action, slope.	Wetness, percs slowly, slope.	Slope, large stones, wetness.
Blackwell--------	Slight----------	Severe: piping, wetness.	Flooding, frost action.	Wetness----------	Wetness, too sandy.
Carioca----------	Severe: seepage, slope.	Moderate: thin layer, large stones.	Deep to water----	Droughty, slope.	Slope, large stones.
1490*:					
Arzo----------	Severe: slope.	Moderate: thin layer, hard to pack.	Deep to water----	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
Indiano----------	Severe: slope.	Severe: thin layer.	Deep to water----	Depth to rock, slope.	Slope, large stones, depth to rock.
Barnard----------	Moderate: cemented pan, slope.	Severe: thin layer.	Deep to water----	Percs slowly, cemented pan, slope.	Large stones, cemented pan.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1510*:					
Cagle	Severe: slope.	Moderate: thin layer, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
Nosrac	Severe: slope.	Moderate: large stones.	Deep to water	Slope	Slope, large stones.
Old Camp	Severe: depth to rock, slope.	Severe: large stones, thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
1520*:					
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Smallcone	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Droughty, depth to rock, slope.	Slope, depth to rock.
Cagle	Severe: slope.	Moderate: thin layer, large stones.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.
1521*:					
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Yuko	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock, erodes easily.
Lemm	Severe: seepage, slope.	Severe: thin layer.	Deep to water	Droughty, slope.	Slope.
1522*:					
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Pahrange	Severe: slope.	Severe: thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Lemm	Severe: seepage, slope.	Severe: thin layer.	Deep to water	Droughty, slope.	Slope.
1530*:					
Bombadil	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.
Hefed	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Slope, large stones, too sandy.
Rubble land.					
1531*:					
Bombadil	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Features affecting-- Drainage	Irrigation	Terraces and diversions
1531*:					
Hefed	Severe: seepage, slope.	Severe: seepage.	Deep to water	Large stones, droughty, slope.	Slope, large stones, too sandy.
Fireball	Severe: seepage, slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
1540*:					
McQuarrie	Severe: depth to rock, slope.	Severe: piping.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
Arzo	Severe: slope.	Moderate: thin layer, hard to pack.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
1541*:					
McQuarrie	Severe: depth to rock, slope.	Severe: piping.	Deep to water	Depth to rock, slope.	Slope, large stones, depth to rock.
Duco	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Tristan	Severe: slope.	Severe: large stones.	Deep to water	Large stones, droughty, slope.	Slope, large stones.
1550*:					
Skedaddle	Severe: depth to rock, slope.	Severe: large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Pahrange	Severe: slope.	Severe: thin layer.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.
Lemm	Severe: seepage, slope.	Severe: thin layer.	Deep to water	Droughty, slope.	Slope.
1570*:					
Bluewing	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Large stones, too sandy.
Biddleman	Severe: seepage.	Severe: seepage.	Deep to water	Droughty, slope.	Erodes easily, too sandy.
Bundorf	Severe: cemented pan.	Severe: thin layer.	Deep to water	Percs slowly, cemented pan, slope.	Large stones, cemented pan.
1580*:					
Frodo	Severe: depth to rock, cemented pan.	Severe: thin layer.	Deep to water	Droughty, percs slowly, depth to rock.	Large stones, depth to rock.
Xman	Severe: depth to rock, slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, large stones, depth to rock.

See footnote at end of table.

TABLE 12.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for--		Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions
1580*:					
Oppio	Severe: slope.	Severe: thin layer.	Deep to water	Percs slowly, depth to rock, slope.	Slope, depth to rock, percs slowly.
1590 Ruhe	Severe: seepage, depth to rock.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, depth to rock.
1600*:					
Wrango	Severe: seepage.	Severe: seepage.	Deep to water	Large stones, droughty, fast intake.	Large stones, too sandy.
Ruhe	Severe: seepage, depth to rock.	Severe: seepage.	Deep to water	Droughty, fast intake, soil blowing.	Large stones, depth to rock.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 13.--ENGINEERING INDEX PROPERTIES

[The symbol < means less than; > means more than. Absence of an entry indicates that data were not estimated]

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
101, 102---------- Aquinas	0-7	Sandy loam--------	SM	A-2, A-4	0-5	90-100	85-95	50-65	25-40	---	NP
	7-37	Sandy clay loam, clay loam.	SC, CL	A-6	0-5	90-100	85-95	70-95	40-75	25-40	10-25
	37-46	Cemented----------	---	---	---	---	---	---	---	---	---
	46-60	Variable----------	---	---	---	---	---	---	---	---	---
106---------- Aquinas	0-1	Sandy loam--------	SM	A-2, A-4	0-5	90-100	85-95	50-65	25-40	---	NP
	1-30	Sandy clay loam, clay loam.	SC, CL	A-6	0-5	90-100	85-95	70-95	40-75	25-40	10-25
	30-36	Cemented----------	---	---	---	---	---	---	---	---	---
	36-60	Variable----------	---	---	---	---	---	---	---	---	---
110---------- Jowec Variant	0-10	Sandy loam--------	SM	A-2	0-5	90-100	90-100	50-60	15-35	---	NP
	10-20	Clay, sandy clay	SC, CL, CH	A-6, A-7	0	90-100	90-100	80-100	40-75	35-55	20-30
	20-66	Stratified sandy loam to clay loam.	SC	A-2, A-6	0	90-100	90-100	55-80	30-50	20-35	10-20
111*:											
Jowec Variant---	0-12	Sandy loam--------	SM	A-2	0-5	90-100	90-100	50-60	15-35	---	NP
	12-22	Clay, sandy clay	SC, CL, CH	A-6, A-7	0	90-100	90-100	80-100	40-75	35-55	20-30
	22-60	Stratified sandy loam to clay loam.	SC	A-2, A-6	0	90-100	90-100	55-80	30-50	20-35	10-20
Greenbrae--------	0-10	Sandy loam--------	SM	A-2	0	95-100	90-100	55-75	20-35	20-25	NP-5
	10-28	Clay loam, sandy clay loam.	SC, CL	A-6, A-7	0	95-100	90-100	70-85	40-65	35-45	15-25
	28-63	Stratified coarse sand to gravelly loam.	SM	A-2	0	90-100	75-100	45-60	25-35	---	NP
120, 121---------- Doten	0-21	Silty clay--------	CH, MH	A-7	0	100	100	95-100	85-100	50-60	20-30
	21-62	Silty clay, clay	CH, MH	A-7	0	100	100	95-100	85-100	50-60	20-30
130---------- Greenbrae	0-5	Sandy loam--------	SM	A-2, A-4	0	95-100	90-100	60-70	30-40	15-25	NP-5
	5-22	Sandy clay loam	SC, CL	A-6	0	95-100	95-100	80-90	35-55	30-40	10-20
	22-51	Sandy loam--------	SM	A-2	0	95-100	85-100	55-75	25-35	---	NP
	51-68	Silty clay loam	CL, CH	A-7	0	100	100	90-100	80-95	40-55	25-35
131---------- Greenbrae	0-10	Sandy loam--------	SM	A-2	0	95-100	90-100	55-75	20-35	20-25	NP-5
	10-30	Clay loam, sandy clay loam.	SC, CL	A-6, A-7	0	95-100	90-100	70-85	40-65	35-45	15-25
	30-63	Stratified coarse sand to gravelly loam.	SM	A-2	0	90-100	75-100	45-60	25-35	---	NP
132---------- Greenbrae	0-8	Sandy loam--------	SM	A-2	0	95-100	90-100	55-75	20-35	20-25	NP-5
	8-28	Clay loam, sandy clay loam.	SC, CL	A-6, A-7	0	95-100	90-100	70-85	40-65	35-45	15-25
	28-63	Stratified coarse sand to gravelly loam.	SM	A-2	0	90-100	75-100	45-60	25-35	---	NP
134---------- Greenbrae	0-6	Sandy loam--------	SM	A-2, A-4	0	95-100	90-100	60-70	30-40	15-25	NP-5
	6-24	Sandy clay loam	SC, CL	A-6	0	95-100	95-100	80-90	35-55	30-40	10-20
	24-52	Sandy loam--------	SM	A-2	0	95-100	85-100	55-75	25-35	---	NP
	52-68	Silty clay loam	CL, CH	A-7	0	100	100	90-100	80-95	40-55	25-35
136---------- Greenbrae	0-12	Sandy loam--------	SM	A-2	0	95-100	90-100	55-75	20-35	20-25	NP-5
	12-32	Clay loam, sandy clay loam.	SC, CL	A-6, A-7	0	95-100	90-100	70-85	40-65	35-45	15-25
	32-63	Stratified coarse sand to gravelly loam.	SM	A-2	0	90-100	75-100	45-60	25-35	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
140---------- Haybourne	0-10	Loamy sand--------	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	10-26	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	70-90	65-85	50-60	25-35	---	NP
	26-63	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-85	45-55	15-30	---	NP
141---------- Haybourne	0-10	Loamy sand--------	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	10-26	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	70-90	65-85	50-60	25-35	---	NP
	26-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-85	45-55	15-30	---	NP
142---------- Haybourne	0-12	Loamy sand--------	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	12-28	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	70-90	65-85	50-60	25-35	---	NP
	28-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-85	45-55	15-30	---	NP
150, 151--------- Doten Variant	0-5	Silty clay--------	CL, CH	A-7	0	100	100	95-100	90-95	40-60	20-30
	5-72	Silty clay, clay	CL, CH	A-7	0	100	100	90-100	75-100	40-60	20-30
160---------- Incy	0-9	Sand----------	SP-SM, SM	A-3, A-1, A-2	0	100	85-95	45-60	5-15	---	NP
	9-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	85-95	50-80	5-15	---	NP
161---------- Incy	0-12	Fine sand---------	SP-SM, SM	A-2, A-3	0	100	80-100	65-90	5-15	---	NP
	12-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	85-95	50-80	5-15	---	NP
171---------- Indian Creek	0-7	Gravelly sandy loam.	SM-SC	A-1, A-2	0-5	60-80	50-70	35-55	15-35	20-25	5-10
	7-18	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	80-100	60-90	55-80	50-80	55-70	30-45
	18-25	Indurated--------	---	---	---	---	---	---	---	---	---
	25-60	Stratified extremely gravelly loamy coarse sand to gravelly sandy clay loam.	GP-GM, GM-GC, GM	A-2, A-1	5-30	35-55	30-55	15-25	5-15	20-30	NP-10
172, 173--------- Indian Creek	0-8	Sandy loam--------	SM-SC	A-2, A-4	0-5	90-100	80-90	55-65	25-40	20-25	5-10
	8-18	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	80-100	60-90	55-80	50-80	55-70	30-45
	18-25	Indurated--------	---	---	---	---	---	---	---	---	---
	25-60	Stratified extremely gravelly loamy coarse sand to gravelly sandy clay loam.	GP-GM, GM-GC, GM	A-2, A-1	5-30	35-55	30-55	15-25	5-15	20-30	NP-10

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
174---------- Indian Creek	0-7	Extremely stony sandy loam.	SM	A-2, A-4	65-80	70-90	65-85	45-55	30-40	---	NP
	7-19	Clay, gravelly clay.	CH	A-7	0-25	80-100	70-100	65-90	55-80	55-70	30-45
	19-23	Indurated--------	---	---	---	---	---	---	---	---	---
	23-60	Cemented---------	---	---	---	---	---	---	---	---	---
175---------- Indian Creek	0-7	Very cobbly loam	SC, SM-SC	A-2, A-6, A-4	40-55	70-90	60-85	55-75	30-50	25-35	5-15
	7-19	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	80-100	60-90	55-80	50-80	55-70	30-45
	19-23	Indurated--------	---	---	---	---	---	---	---	---	---
	23-60	Stratified extremely gravelly loamy coarse sand to gravelly sandy clay loam.	GP-GM, GM-GC, GM	A-2, A-1	5-30	35-55	30-55	15-25	5-15	20-30	NP-10
176*:											
Indian Creek----	0-7	Stony loam-------	SC, SM-SC	A-2, A-6, A-4	40-55	70-90	60-85	55-75	30-50	25-35	5-15
	7-19	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	80-100	60-90	55-80	50-80	55-70	30-45
	19-23	Indurated--------	---	---	---	---	---	---	---	---	---
	23-60	Stratified extremely gravelly loamy coarse sand to gravelly sandy clay loam.	GP-GM, GM-GC, GM	A-2, A-1	5-30	35-55	30-55	15-25	5-15	20-30	NP-10
Reno----------	0-2	Very stony sandy loam.	SM	A-1, A-2, A-4	50-60	75-80	60-75	35-55	20-40	---	NP
	2-24	Sandy clay, clay, gravelly clay.	SC, CH, CL	A-7	0-20	80-100	75-95	65-95	35-85	40-60	25-35
	24-47	Cemented---------	---	---	---	---	---	---	---	---	---
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---
Washoe----------	0-8	Extremely stony fine sandy loam.	SM	A-1, A-2	45-55	75-85	50-60	40-55	15-30	---	NP
	8-38	Very gravelly sandy clay loam, very gravelly sandy loam.	GC	A-2, A-6	5-20	55-70	45-55	40-50	20-40	25-35	10-15
	38-60	Stratified gravelly loamy coarse sand to very cobbly loamy coarse sand.	GP-GM, GM, SP-SM, SM	A-1	10-50	50-80	50-75	20-40	5-20	---	NP
190---------- Manogue	0-2	Cobbly clay------	CH, MH	A-7	15-20	70-85	65-75	60-75	50-70	55-65	25-35
	2-63	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	63-72	Weathered bedrock	---	---	---	---	---	---	---	---	---
191---------- Manogue	0-3	Cobbly clay------	CH, MH	A-7	15-20	70-85	65-75	60-75	50-70	55-65	25-35
	3-63	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	63-72	Weathered bedrock	---	---	---	---	---	---	---	---	---
192---------- Manogue	0-4	Cobbly clay------	CH, MH	A-7	15-20	70-85	65-75	60-75	50-70	55-65	25-35
	4-63	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	63-72	Weathered bedrock	---	---	---	---	---	---	---	---	---
200---------- Northmore	0-15	Sandy loam-------	SM	A-2	0-5	90-100	85-100	55-70	25-35	---	NP
	15-45	Sandy clay-------	SC, CL	A-7	0	95-100	90-100	70-95	35-60	40-50	25-30
	45-60	Sandy loam, sandy clay loam.	SM-SC	A-2, A-4	0	95-100	90-100	55-70	25-45	20-30	5-10

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
201---------- Northmore	0-15	Sandy loam--------	SM	A-2	0-5	90-100	85-100	55-70	25-35	---	NP
	15-45	Sandy clay--------	SC, CL	A-7	0	95-100	90-100	70-95	35-60	40-50	25-30
	45-60	Sandy loam, sandy clay loam.	SM-SC	A-2, A-4	0	95-100	90-100	55-70	25-45	20-30	5-10
202, 203---------- Northmore	0-10	Sandy loam--------	SM	A-2	0-5	90-100	85-100	55-70	25-35	---	NP
	10-45	Sandy clay--------	SC, CL	A-7	0	95-100	90-100	70-95	35-60	40-50	25-30
	45-60	Sandy loam, sandy clay loam.	SM-SC	A-2, A-4	0	95-100	90-100	55-70	25-45	20-30	5-10
210, 211---------- Luppino	0-8	Gravelly sandy loam.	SM	A-1	0-5	75-90	55-65	35-45	15-25	---	NP
	8-14	Sandy clay loam, sandy loam, gravelly sandy clay loam.	SC	A-2, A-6	0	80-90	65-85	55-75	30-40	30-40	15-25
	14-23	Weathered bedrock	---	---	---	---	---	---	---	---	---
	23	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
221---------- Oppio	0-3	Cobbly sandy loam	SM, SM-SC	A-1, A-2	20-30	70-75	60-70	40-50	20-30	15-25	NP-10
	3-21	Clay, sandy clay	CH	A-7	0-5	90-100	90-100	75-95	55-90	50-60	30-40
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
222---------- Oppio	0-5	Cobbly sandy loam	SM, SM-SC	A-1, A-2	20-30	70-75	60-70	40-50	20-30	15-25	NP-10
	5-21	Clay, sandy clay	CH	A-7	0-5	90-100	90-100	75-95	55-90	50-60	30-40
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
223*:											
Oppio----------	0-4	Cobbly sandy loam	SM, SM-SC	A-1, A-2	20-30	70-75	60-70	40-50	20-30	15-25	NP-10
	4-21	Clay, sandy clay	CH	A-7	0-5	90-100	90-100	75-95	55-90	50-60	30-40
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rezave----------	0-4	Extremely stony very fine sandy loam.	SM	A-4	35-45	90-100	85-95	60-80	35-50	20-25	NP-5
	4-13	Clay, clay loam, stony clay.	CL, CH	A-7	5-30	90-100	90-100	80-100	65-95	40-60	15-35
	13-19	Very gravelly clay, gravelly clay loam.	SC, CL	A-7	5-10	80-90	50-70	50-70	35-60	40-50	15-25
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
230---------- Cradlebaugh	0-10	Loam----------	CL	A-6	0	100	100	90-100	60-75	30-40	10-20
	10-35	Stratified silty clay loam to fine sandy loam.	CL	A-6	0	100	100	85-95	60-75	30-40	10-20
	35-60	Sandy loam--------	SM, SM-SC, ML, CL-ML	A-4	0	100	100	70-85	40-55	20-30	NP-10
240---------- Updike	0-2	Loam----------	ML	A-4	0	80-100	80-90	60-85	50-70	---	NP
	2-20	Clay, sandy clay	CH	A-7	0	95-100	95-100	90-100	60-95	50-60	30-40
	20-63	Stratified sandy clay loam to clay.	CL, CH	A-6, A-7	0	95-100	95-100	80-100	50-65	35-55	20-35

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
241---------- Updike	0-2	Loam----------	ML	A-4	0	80-100	80-90	60-85	50-70	---	NP
	2-36	Clay, sandy clay	CH	A-7	0	95-100	95-100	90-100	60-95	50-60	30-40
	36-47	Sandy clay loam, sandy clay, clay.	CL, CH	A-7	0	95-100	95-100	80-95	50-65	40-55	20-30
	47-63	Stratified gravelly sandy loam to extremely gravelly sand.	GM, GP-GM, SM, SP-SM	A-1	5-10	30-60	25-55	10-25	5-15	---	NP
250---------- Cassiro	0-15	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	30-50	15-30	---	NP
	15-45	Very gravelly sandy clay, very gravelly clay.	GC, SC	A-2	5-15	50-75	40-50	25-45	15-35	25-50	10-25
	45-60	Variable---------	---	---	---	---	---	---	---	---	---
251---------- Cassiro	0-12	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	30-50	15-30	---	NP
	12-40	Very gravelly sandy clay, very gravelly clay.	GC, SC	A-2	5-15	50-75	40-50	25-45	15-35	25-50	10-25
	40-60	Variable---------	---	---	---	---	---	---	---	---	---
252---------- Cassiro	0-13	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	30-50	15-30	---	NP
	13-40	Very gravelly sandy clay, very gravelly clay.	GC, SC	A-2	5-15	50-75	40-50	25-45	15-35	25-50	10-25
	40-60	Variable---------	---	---	---	---	---	---	---	---	---
260*:											
Acrelane--------	0-6	Very stony sandy loam.	SM	A-1, A-2	25-40	90-100	60-75	35-50	15-30	---	NP
	6-10	Very gravelly sandy clay loam, very gravelly coarse sandy loam.	SC, SM-SC	A-2	0-5	80-100	30-50	30-45	15-30	20-30	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
262---------- Acrelane	0-4	Very stony sandy loam.	SM	A-1, A-2	25-40	90-100	60-75	35-50	15-30	---	NP
	4-10	Very gravelly sandy clay loam, very gravelly coarse sandy loam.	SC, SM-SC	A-2	0-5	80-100	30-50	30-45	15-30	20-30	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
280---------- Wedekind	0-2	Gravelly loam----	SM	A-2, A-4	0-5	75-85	50-65	40-60	30-50	15-25	NP-5
	2-14	Sandy clay loam, clay loam, gravelly sandy clay loam.	SC	A-2, A-6	0-5	80-90	55-90	45-70	20-50	30-40	10-20
	14-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
281---------- Wedekind	0-2	Gravelly loam----	SM	A-2, A-4	0-5	75-85	50-65	40-60	30-50	15-25	NP-5
	2-14	Sandy clay loam, clay loam, gravelly sandy clay loam.	SC	A-2, A-6	0-5	80-90	55-90	45-70	20-50	30-40	10-20
	14-60	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
282---------- Wedekind	0-4	Gravelly sandy loam.	SM	A-1	0-5	75-85	50-65	30-45	15-25	---	NP
	4-14	Sandy clay loam, clay loam, gravelly sandy clay loam.	SC	A-2, A-6	0-5	80-90	55-90	45-70	20-50	30-40	10-20
	14-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
290---------- Verdico Variant	0-5	Stony sandy loam	SM	A-1	5-10	75-95	55-65	35-45	15-25	---	NP
	5-28	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	85-95	65-85	60-70	50-65	50-60	30-40
	28	Weathered bedrock	---	---	---	---	---	---	---	---	---
291---------- Verdico Variant	0-6	Very stony sandy loam.	SM	A-2	10-25	85-100	75-85	50-60	20-30	---	NP
	6-28	Gravelly clay, clay, sandy clay.	CH	A-7	0-5	85-95	65-85	60-70	50-65	50-60	30-40
	28	Weathered bedrock	---	---	---	---	---	---	---	---	---
300---------- Surgem	0-4	Stony sandy loam	GM	A-1	5-10	45-60	40-55	25-40	15-25	15-25	NP-5
	4-24	Very cobbly clay, very cobbly sandy clay, very gravelly clay.	CL, CH, GC, SC	A-7, A-2	25-60	65-100	50-85	30-75	20-65	40-55	20-30
	24-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
301*:											
Surgem----------	0-5	Stony sandy loam	GM	A-1	5-10	45-60	40-55	25-40	15-25	15-25	NP-5
	5-24	Very cobbly clay, very cobbly sandy clay, very gravelly clay.	CL, CH, GC, SC	A-7, A-2	25-60	65-100	50-85	30-75	20-65	40-55	20-30
	24-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
302*:											
Surgem----------	0-6	Stony sandy loam	GM	A-1	5-10	45-60	40-55	25-40	15-25	15-25	NP-5
	6-24	Very cobbly clay, very cobbly sandy clay, very gravelly clay.	CL, CH, GC, SC	A-7, A-2	25-60	65-100	50-85	30-75	20-65	40-55	20-30
	24-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
310*:											
Risley----------	0-4	Very stony loam	SC, CL	A-6	10-20	75-95	70-85	60-80	40-65	25-35	10-15
	4-24	Clay, clay loam, sandy clay.	CL	A-7	0-5	85-100	85-100	75-100	60-95	40-50	20-25
	24-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
311*:											
Risley----------	0-3	Very stony loam	SC, CL	A-6	10-20	75-95	70-85	60-80	40-65	25-35	10-15
	3-23	Clay, clay loam, sandy clay.	CL	A-7	0-5	85-100	85-100	75-100	60-95	40-50	20-25
	23-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
312---------- Risley	0-3	Cobbly loam------	CL, CL-ML	A-6, A-4	25-40	80-100	75-90	65-80	50-65	25-35	5-15
	3-23	Clay, clay loam	CH, CL	A-7	0-5	85-100	85-100	75-100	60-95	40-55	20-30
	23-40	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
313---------- Risley	0-4	Cobbly clay loam	CL	A-6	25-40	80-100	75-90	65-85	60-70	35-40	15-20
	4-40	Clay, clay loam	CH, CL	A-7	0-5	85-100	85-100	75-100	60-95	40-55	20-30
	40-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
314*:											
Risley----------	0-6	Cobbly loam------	SC, CL	A-6	10-20	75-95	70-85	60-80	40-65	25-35	10-15
	6-28	Clay, clay loam, sandy clay.	CL	A-7	0-5	85-100	85-100	75-100	60-95	40-50	20-25
	28-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Xman----------	0-3	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	3-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
341---------- Yuko	0-2	Stony loam-------	CL	A-6	5-10	80-95	80-90	70-85	55-75	30-40	10-15
	2-8	Silty clay loam, clay loam.	CL	A-6, A-7	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	8-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
342*:											
Yuko----------	0-3	Very stony loam	CL, CL-ML	A-6, A-4	10-15	80-95	80-90	70-85	55-75	25-40	5-15
	3-9	Silty clay loam, clay loam.	CL	A-6, A-7	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	9-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Reywat----------	0-6	Extremely stony loam.	GM, SM	A-4	25-55	55-80	50-70	45-65	35-50	25-35	NP-10
	6-14	Very gravelly clay loam, very gravelly loam.	GC	A-2, A-6	10-20	40-60	35-55	35-45	25-40	30-40	10-20
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
350---------- Mizel	0-3	Very gravelly coarse sandy loam.	GM	A-1	5-10	40-60	30-40	15-30	10-25	---	NP
	3-7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
351*:											
Mizel----------	0-3	Very gravelly coarse sandy loam.	GM	A-1	5-10	40-60	30-40	15-30	10-25	---	NP
	3-7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Skedaddle--------	0-5	Very stony loam	GC, SC	A-2, A-6	30-50	60-80	50-70	40-60	30-45	25-35	10-15
	5-8	Weathered bedrock	---	---	---	---	---	---	---	---	---
	8-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
360*. Pits											

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
370---------- Lemm	0-19	Very gravelly coarse sandy loam.	SM	A-1	0-5	75-95	35-50	25-35	10-20	---	NP
	19-40	Very gravelly coarse sandy loam, very gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	70-90	35-50	20-30	15-25	20-35	5-15
	40-60	Very gravelly loamy coarse sand, gravelly loamy coarse sand.	SM, SP-SM	A-1	0-5	70-90	35-70	25-35	5-15	---	NP
390---------- Duckhill	0-3	Stony loam--------	SM, GM	A-2, A-4	5-10	50-70	40-60	35-50	30-45	15-25	NP-5
	3-9	Very gravelly loam, very gravelly clay loam.	GC	A-6, A-2	10-20	40-70	35-60	30-50	25-50	30-40	10-20
	9-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
391*:											
Duckhill---------	0-3	Stony loam--------	SM, GM	A-2, A-4	5-10	50-70	40-60	35-50	30-45	15-25	NP-5
	3-9	Very gravelly loam, very gravelly clay loam.	GC	A-6, A-2	10-20	40-70	35-60	30-50	25-50	30-40	10-20
	9-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hirschdale------	0-6	Very stony loam	CL, SC	A-6	25-35	80-90	70-80	45-65	40-55	25-35	10-15
	6-39	Gravelly clay loam, clay.	CL, CH	A-7	0-15	65-95	60-90	55-85	50-80	40-65	15-40
	39	Weathered bedrock	---	---	---	---	---	---	---	---	---
Fraval----------	0-9	Very stony loam	CL-ML	A-4	45-55	80-95	80-90	65-85	50-70	20-30	5-10
	9-27	Very gravelly loam, very gravelly clay loam, very cobbly loam.	SC, GC	A-6	20-30	60-90	55-75	45-65	35-50	30-40	10-20
	27-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
400, 401--------- Jubilee Variant	0-14	Loamy sand--------	SM	A-2	0	100	90-100	50-75	15-30	---	NP
	14-60	Stratified sandy loam to loamy coarse sand.	SM	A-2	0	100	90-100	50-70	15-35	---	NP
403---------- Jubilee Variant	0-14	Loam----------	SM, ML	A-4	0	100	90-100	60-95	45-65	---	NP
	14-60	Stratified sandy loam to loamy coarse sand.	SM	A-2	0	100	90-100	50-70	15-35	---	NP
410---------- Ophir	0-11	Loamy sand--------	SM	A-2	0	95-100	80-100	50-75	15-30	---	NP
	11-60	Stratified gravelly coarse sand to sandy loam.	SM	A-1, A-2	0	85-100	60-90	35-55	10-25	---	NP
411---------- Ophir	0-12	Loamy sand--------	SM	A-2	0	95-100	80-100	50-75	15-30	---	NP
	12-60	Stratified gravelly coarse sand to sandy loam.	SM	A-1, A-2	0	85-100	60-90	35-55	10-25	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
420---------- Godecke	0-5	Loamy sand--------	SM	A-2	0	100	100	50-75	15-30	---	NP
	5-15	Clay loam, sandy clay loam.	CL	A-6, A-7	0	100	100	80-95	55-75	30-45	10-25
	15-60	Stratified sandy loam to clay.	ML, CL	A-6, A-7	0	100	100	90-95	65-75	35-45	10-20
423---------- Godecke Variant	0-12	Loamy sand--------	SM	A-2	0	95-100	90-100	50-70	15-35	---	NP
	12-25	Sandy clay loam	SC, CL	A-6, A-7	0	95-100	95-100	80-95	35-60	35-45	15-25
	25-42	Sandy clay loam	SC	A-6, A-2	0	80-100	75-100	65-90	30-50	25-40	10-20
	42-60	Cemented----------	---	---	---	---	---	---	---	---	---
430, 431---------- Sagouspe Variant	0-5	Loamy very fine sand.	SM, ML	A-4	0	100	100	90-95	40-60	---	NP
	5-22	Sand----------	SM, SP-SM	A-3, A-2	0	100	90-100	50-70	5-15	---	NP
	22-60	Stratified sand to silt loam.	SM	A-2, A-4	0	100	95-100	50-80	20-40	20-25	NP-5
440---------- Jubilee	0-22	Sandy loam--------	SM	A-2	0	95-100	85-100	50-60	25-35	15-25	NP-5
	22-60	Stratified coarse sand to sandy loam.	SM	A-1	0	95-100	85-100	40-50	10-20	---	NP
441---------- Jubilee	0-11	Clay loam---------	CL-ML, CL	A-4, A-6	0	100	100	85-95	60-75	25-35	5-15
	11-60	Stratified coarse sand to sandy loam.	SM	A-1	0	95-100	85-100	40-50	10-20	---	NP
442---------- Jubilee	0-11	Gravelly sand----	SP-SM, SM	A-1	0	90-100	70-85	35-50	5-20	---	NP
	11-28	Stratified coarse sandy loam to fine sandy loam.	SM	A-2	0	95-100	85-100	55-60	25-35	15-25	NP-5
	28-60	Stratified coarse sand to sandy loam.	SM	A-1	0	95-100	85-100	40-50	10-20	---	NP
443---------- Jubilee	0-12	Loamy sand--------	SP-SM, SM	A-1	0	90-100	70-85	35-50	5-20	---	NP
	12-30	Stratified coarse sandy loam to fine sandy loam.	SM	A-2	0	95-100	85-100	55-60	25-35	15-25	NP-5
	30-60	Stratified coarse sand to sandy loam.	SM	A-1	0	95-100	85-100	40-50	10-20	---	NP
445---------- Jubilee	0-22	Sandy loam--------	SM	A-2	0	95-100	85-100	50-65	25-35	---	NP
	22-60	Stratified fine sandy loam to loamy coarse sand.	SM	A-2, A-4	0	95-100	85-100	50-75	25-40	---	NP
450---------- Voltaire	0-20	Loam----------	CL	A-6	0	100	100	80-100	60-80	25-35	10-15
	20-60	Stratified silty clay loam to loamy sand.	CL	A-6	0	100	100	80-100	65-85	30-40	10-20
451---------- Voltaire	0-15	Loam----------	CL	A-6	0	100	100	85-100	70-85	30-40	10-20
	15-60	Stratified silty clay loam to loamy sand.	CL	A-6	0	100	100	90-100	75-90	35-40	15-20
452---------- Voltaire	0-18	Loam----------	CL	A-6	0	100	100	85-100	70-85	30-40	10-20
	18-60	Stratified silty clay loam to loamy sand.	CL	A-6	0	100	100	90-100	75-90	35-40	15-20
454---------- Voltaire	0-20	Silty clay--------	CL, CH	A-7	0	100	100	95-100	90-95	45-55	20-30
	20-60	Stratified silty clay loam to loamy sand.	CL	A-6, A-7	0	100	100	85-95	75-85	30-45	10-20

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
455*:											
Voltaire	0-20	Silty clay	CL, CH	A-7	0	100	100	95-100	90-95	45-55	20-30
	20-60	Stratified silty clay loam to loamy sand.	CL	A-6, A-7	0	100	100	85-95	75-85	30-45	10-20
Truckee	0-12	Silt loam	ML	A-4	0	100	100	85-95	60-80	25-35	NP-10
	12-60	Stratified sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6	0	100	100	85-95	60-75	25-35	5-15
456 Voltaire	0-9	Clay loam	CL	A-6, A-7	0	100	100	90-100	70-80	35-45	15-20
	9-36	Stratified clay to silt loam.	CL	A-6, A-7	0	100	100	90-100	70-90	35-45	15-20
	36-60	Stratified very gravelly coarse sand to sandy clay loam.	GM	A-1, A-2	5-15	50-60	40-50	25-40	15-30	15-25	NP-5
460 Surprise	0-14	Loamy sand	SM	A-1, A-2	0	80-100	75-90	40-50	15-30	---	NP
	14-37	Stratified gravelly sandy loam to gravelly loam.	SM	A-1, A-2	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	37-66	Stratified gravelly loamy sand to sandy loam.	SM, GM	A-1, A-2	0-10	60-85	55-80	30-50	15-35	---	NP
461 Surprise	0-7	Coarse sandy loam	SM	A-1, A-2	0	80-100	75-90	40-55	20-30	---	NP
	7-24	Stratified gravelly sandy loam to gravelly loam.	SM	A-1, A-2	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	24-66	Stratified gravelly loamy sand to sandy loam.	SM, GM	A-1, A-2	0-10	60-85	55-80	30-50	15-35	---	NP
470 Dalzell	0-14	Loamy fine sand	SM	A-2	0	95-100	95-100	70-80	20-35	---	NP
	14-32	Sandy clay loam, loam, silty clay loam.	SC, CL	A-6, A-7	0	100	100	80-100	45-85	30-45	10-25
	32-36	Cemented	---	---	---	---	---	---	---	---	---
	36-60	Sandy loam, loamy sand, gravelly coarse sand.	SM, SP-SM	A-2, A-3, A-1	0	100	70-100	30-70	5-35	---	NP
480 Holbrook	0-14	Gravelly loamy sand.	SM	A-1	0-10	80-90	65-80	35-50	10-20	---	NP
	14-60	Stratified stony sand to very gravelly loam.	GM, SM	A-1, A-2	5-15	50-70	50-60	40-55	10-20	---	NP
482 Holbrook	0-10	Cobbly loamy sand	SM	A-1	20-30	75-90	45-65	25-40	10-20	---	NP
	10-60	Stratified stony sand to very gravelly loam.	GM, SM	A-1, A-2	5-15	50-70	50-60	40-55	10-20	---	NP
490 Graufels	0-10	Bouldery sand	SP-SM, SM	A-1, A-2, A-3	5-10	85-95	75-85	40-60	5-15	---	NP
	10-22	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	22-40	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
491*:											
Graufels--------	0-10	Bouldery sand----	SP-SM, SM	A-1, A-2, A-3	5-10	85-95	75-85	40-60	5-15	---	NP
	10-22	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	22-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
492---------- Graufels	0-12	Bouldery sand----	SP-SM, SM	A-1, A-2, A-3	5-10	85-95	75-85	40-60	5-15	---	NP
	12-26	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	26-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
493*:											
Graufels--------	0-11	Gravelly loamy coarse sand.	SM	A-1, A-2	0	85-95	60-75	30-55	10-20	---	NP
	11-25	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	25-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Glenbrook--------	0-7	Cobbly sand------	SP-SM	A-1	15-30	80-95	60-75	30-50	5-10	---	NP
	7-13	Gravelly loamy coarse sand, gravelly sand, coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-80	40-50	5-20	---	NP
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
494---------- Graufels	0-9	Gravelly loamy coarse sand.	SM	A-1, A-2	0	85-95	60-75	30-55	10-20	---	NP
	9-24	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	24-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
495*:											
Graufels--------	0-9	Gravelly loamy coarse sand.	SM	A-1, A-2	0	85-95	60-75	30-55	10-20	---	NP
	9-23	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	23-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Glenbrook--------	0-7	Cobbly sand------	SP-SM	A-1	15-30	80-95	60-75	30-50	5-10	---	NP
	7-13	Gravelly loamy coarse sand, gravelly sand, coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-80	40-50	5-20	---	NP
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
496*:											
Graufels--------	0-15	Gravelly loamy coarse sand.	SM	A-1, A-2	0	85-95	60-75	30-55	10-20	---	NP
	15-26	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	26-40	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
496*:											
Glenbrook--------	0-12	Cobbly sand-------	SP-SM	A-1	15-30	80-95	60-75	30-50	5-10	---	NP
	12-18	Gravelly loamy coarse sand, gravelly sand, coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-80	40-50	5-20	---	NP
	18	Weathered bedrock	---	---	---	---	---	---	---	---	---
Haypress---------	0-15	Very bouldery loamy coarse sand.	SM	A-1	10-35	80-95	65-80	35-50	10-25	---	NP
	15-46	Gravelly coarse sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	5-10	60-85	50-75	25-50	5-15	---	NP
	46	Weathered bedrock	---	---	---	---	---	---	---	---	---
500, 504--------- Mottsville	0-10	Sand----------	SP-SM, SM	A-1, A-2, A-3	0	95-100	80-100	40-70	5-20	---	NP
	10-60	Stratified gravelly coarse sand to loamy sand.	SP-SM, SM	A-1	0	90-100	55-95	30-50	5-20	---	NP
505---------- Mottsville	0-11	Gravelly coarse sand.	SP-SM, SM	A-1	0	80-100	55-75	20-35	5-15	---	NP
	11-60	Stratified gravelly coarse sand to loamy sand.	SP-SM, SM	A-1	0	90-100	55-95	30-50	5-20	---	NP
510---------- Settlemeyer	0-15	Fine sandy loam	SM-SC	A-4	0	100	100	70-90	35-50	20-30	5-10
	15-39	Silty clay loam, clay loam.	CL	A-6	0	100	100	80-100	75-95	35-40	15-20
	39-60	Stratified very gravelly loamy sand to silty clay loam.	GC, CL, GM-GC, CL-ML	A-4, A-6	0-5	60-90	60-85	45-80	35-60	15-25	5-15
513*:											
Settlemeyer-----	0-15	Fine sandy loam	SM-SC	A-4	0	100	100	70-90	35-50	20-30	5-10
	15-39	Silty clay loam, clay loam.	CL	A-6	0	100	100	80-100	75-95	35-40	15-20
	39-60	Stratified very gravelly loamy sand to silty clay loam.	GC, CL, GM-GC, CL-ML	A-4, A-6	0-5	60-90	60-85	45-80	35-60	15-25	5-15
Notus----------	0-12	Stony loamy fine sand.	SM	A-2	5-10	80-100	70-100	55-80	15-35	---	NP
	12-60	Stratified very gravelly coarse sand to sandy loam.	GP-GM, GM, SP-SM, SM	A-1	15-25	40-70	35-50	15-35	5-15	---	NP
514---------- Settlemeyer	0-12	Gravelly loam----	GC, CL, SC	A-6	0-5	70-90	60-75	50-75	45-60	20-30	10-15
	12-35	Silty clay loam, clay loam.	CL	A-6	0	100	100	80-100	75-95	35-40	15-20
	35-60	Stratified very gravelly loamy sand to silty clay loam.	GC, CL, GM-GC, CL-ML	A-4, A-6	0-5	60-90	60-85	45-80	35-60	15-25	5-15
520---------- Dressler	0-19	Loamy sand-------	SM	A-1, A-2	0-5	80-90	80-90	40-55	10-20	---	NP
	19-60	Stratified gravelly loamy sand to gravelly fine sandy loam.	SM, SP-SM	A-1	10-15	75-90	60-75	35-45	5-15	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
530---------- Sagouspe	0-21	Sand----------	SP-SM, SM	A-2, A-3	0	100	100	50-70	5-15	---	NP
	21-60	Stratified coarse sand to silt loam.	SM	A-2, A-4	0	100	100	50-75	15-40	10-20	NP-5
531---------- Sagouspe	0-21	Fine sandy loam	SM, ML	A-4	0	100	100	70-85	40-55	10-20	NP-5
	21-60	Stratified coarse sand to silt loam.	SM	A-2, A-4	0	100	100	50-75	15-40	10-20	NP-5
532---------- Sagouspe	0-10	Gravelly sand----	SP-SM	A-1, A-2, A-3	0-5	80-90	70-75	35-55	5-10	---	NP
	10-40	Stratified coarse sand to silt loam.	SM	A-2, A-4	0	100	100	50-75	15-40	10-20	NP-5
	40-60	Very gravelly loamy coarse sand.	GP-GM, GM	A-1	5-15	40-60	35-50	10-30	5-20	---	NP
550, 551, 553---- Leviathan	0-9	Stony sandy loam	SM, SM-SC	A-1, A-2	5-15	80-90	50-60	35-50	15-30	20-30	NP-10
	9-60	Very gravelly sandy clay loam.	GC, SC	A-2	10-30	50-70	40-50	35-45	15-25	35-45	15-20
554, 557--------- Leviathan	0-11	Very stony sandy loam.	GM, SM, GM-GC, SM-SC	A-1, A-2	5-20	60-90	50-60	35-50	15-30	20-30	NP-10
	11-60	Very gravelly sandy clay loam.	GC, SC	A-2	10-30	50-70	40-50	35-45	15-25	35-45	15-25
559---------- Leviathan	0-11	Extremely stony sandy loam.	GM, SM, GM-GC, SM-SC	A-1, A-2	20-45	60-90	50-60	35-50	15-30	20-30	NP-10
	11-60	Very gravelly sandy clay loam.	GC, SC	A-2	10-30	50-70	40-50	35-45	15-25	35-45	15-25
570---------- Turria	0-2	Loam----------	CL-ML, CL	A-4, A-6	0	100	100	85-95	65-75	25-35	5-15
	2-12	Clay loam, loam	CL	A-6, A-7	0	100	100	90-100	65-80	35-45	15-20
	12-60	Stratified sandy loam to silt loam.	CL-ML, CL	A-4, A-6	0	100	100	90-100	60-80	25-35	5-15
585*:											
Barnard---------	0-15	Stony sandy loam	SM, SM-SC	A-2, A-4	10-25	85-95	80-90	50-80	25-50	15-30	NP-10
	15-26	Clay, silty clay	CH	A-7	0-10	85-95	80-90	70-90	60-85	50-60	30-40
	26	Indurated--------	---	---	---	---	---	---	---	---	---
Trosi----------	0-12	Very stony sandy loam.	SM, GM	A-1, A-2, A-4	15-30	60-80	50-75	30-50	20-40	15-25	NP-5
	12-19	Very cobbly clay, very cobbly clay loam.	CL, CH, GC	A-7	30-60	70-85	65-80	60-75	45-65	40-60	15-30
	19-34	Indurated--------	---	---	---	---	---	---	---	---	---
	34-60	Variable---------	---	---	---	---	---	---	---	---	---
590, 591--------- Springmeyer	0-13	Stony loam-------	SC, CL, SM-SC, CL-ML	A-6, A-4	5-10	80-100	75-95	55-75	35-60	25-35	5-15
	13-40	Gravelly sandy clay loam, sandy clay loam, clay loam.	SC, CL	A-2, A-6, A-7	0-5	80-95	65-85	60-80	30-60	35-45	15-20
	40-60	Stratified very gravelly sandy clay loam to loamy sand.	SC	A-2	0-10	70-85	55-70	35-50	25-35	30-40	10-15

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
595---------- Springmeyer	0-13	Sandy clay loam	SC, CL	A-6	0-5	80-100	80-95	60-80	45-60	25-35	10-15
	13-40	Gravelly sandy clay loam, sandy clay loam, clay loam.	SC, CL	A-2, A-6, A-7	0-5	80-95	65-85	60-80	30-60	35-45	15-20
	40-60	Stratified very gravelly sandy clay loam to loamy sand.	SC	A-2	0-5	70-85	55-70	30-45	20-30	25-35	10-15
600---------- Idlewild	0-13	Clay loam--------	CL	A-6	0-5	95-100	90-100	85-95	55-80	25-40	10-20
	13-36	Silty clay, silty clay loam, clay.	CH, CL	A-7	0-10	90-100	85-100	75-95	70-90	45-60	20-30
	36-62	Stratified sandy clay loam to silty clay.	CL	A-7	0-10	90-100	85-100	75-95	50-80	40-50	15-25
601---------- Idlewild	0-13	Sandy loam-------	SM	A-2, A-4	0-5	95-100	90-100	60-85	30-50	15-25	NP-5
	13-36	Silty clay, silty clay loam, clay.	CH, CL	A-7	0-10	90-100	85-100	75-95	70-90	45-60	20-30
	36-62	Stratified sandy clay loam to silty clay.	CL	A-7	0-10	90-100	85-100	75-95	50-80	40-50	15-25
602---------- Idlewild	0-10	Gravelly sandy loam.	SM	A-1, A-2	0-10	65-85	60-75	35-55	15-30	15-25	NP-5
	10-36	Silty clay, silty clay loam, clay.	CH, CL	A-7	0-10	90-100	85-100	75-95	70-90	45-60	20-30
	36-60	Stratified sandy clay loam to silty clay.	CL	A-7	0-10	90-100	85-100	75-95	50-80	40-50	15-25
612---------- Verdico	0-2	Very stony sandy loam.	SM	A-2	15-25	85-100	75-85	50-60	20-30	---	NP
	2-22	Clay----------	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
613, 614--------- Verdico	0-2	Extremely stony sandy loam.	SM	A-2	25-45	85-100	75-85	50-60	20-30	---	NP
	2-22	Clay----------	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
615---------- Verdico	0-2	Sandy loam-------	SM	A-2, A-4	0-5	90-100	85-95	50-65	25-40	---	NP
	2-22	Clay----------	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
620, 621--------- Orr	0-10	Stony sandy loam	SM	A-2, A-4	5-10	80-100	70-100	50-70	20-40	---	NP
	10-50	Gravelly sandy loam, gravelly sandy clay loam, loam.	SM-SC, SC	A-2, A-4, A-6	0-5	75-85	70-85	60-80	30-50	25-35	5-15
	50-60	Gravelly sandy loam, sandy clay loam.	SM, SM-SC	A-2, A-1	0-5	70-85	60-80	40-65	20-35	15-30	NP-10
622---------- Orr	0-12	Stony sandy loam	SM	A-2, A-1	5-10	60-85	55-75	30-60	15-35	15-25	NP-5
	12-50	Gravelly sandy clay loam.	SM-SC, SC	A-2, A-4, A-6	0-5	65-85	65-75	50-65	20-45	25-35	5-15
	50-60	Stratified very gravelly sand to gravelly sandy loam.	GM, SM, GP-GM, SP-SM	A-1	10-20	50-80	40-50	25-35	5-15	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
623---------- Orr	0-10	Sandy loam--------	SM	A-2, A-4	0-5	85-95	80-90	60-70	30-40	---	NP
	10-50	Gravelly sandy loam, gravelly sandy clay loam, loam.	SM-SC, SC	A-2, A-4, A-6	0-5	75-85	70-85	60-80	30-50	25-35	5-15
	50-60	Gravelly sandy loam, sandy clay loam.	SM, SM-SC	A-2, A-1	0-5	70-85	60-80	40-65	20-35	15-30	NP-10
624---------- Orr	0-12	Gravelly sandy loam.	SM	A-2, A-1	0-5	70-80	65-75	40-65	20-35	---	NP
	12-50	Gravelly sandy loam, gravelly sandy clay loam, loam.	SM-SC, SC	A-2, A-4, A-6	0-5	75-85	70-85	60-80	30-50	25-35	5-15
	50-60	Gravelly sandy loam, sandy clay loam.	SM, SM-SC	A-2, A-1	0-5	70-85	60-80	40-65	20-35	15-30	NP-10
630, 631--------- Fleischmann	0-4	Gravelly clay loam.	CL	A-6, A-7	0-5	75-85	65-75	60-70	50-65	30-45	15-25
	4-20	Clay----------	CH	A-7	0-5	80-100	80-100	75-95	70-95	50-65	35-45
	20-43	Cemented---------	---	---	---	---	---	---	---	---	---
	43-60	Variable---------	---	---	---	---	---	---	---	---	---
632---------- Fleischmann	0-4	Loam----------	CL, SC	A-6	0-5	85-100	85-100	70-85	40-65	25-40	10-20
	4-20	Clay----------	CH	A-7	0-5	80-100	80-100	75-95	70-95	50-65	35-45
	20-43	Cemented---------	---	---	---	---	---	---	---	---	---
	43-60	Variable---------	---	---	---	---	---	---	---	---	---
640---------- Notus	0-12	Stony loamy fine sand.	SM	A-2	5-10	80-100	70-100	55-80	15-35	---	NP
	12-60	Stratified extremely gravelly coarse sand to sandy loam.	GP-GM, GM, SP-SM, SM	A-1	15-25	40-70	35-50	15-35	5-15	---	NP
650---------- Chalco	0-3	Very stony clay loam.	CL	A-6	25-50	90-100	80-100	60-80	50-70	35-40	15-20
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
651---------- Chalco	0-4	Very stony clay loam.	CL	A-6	25-50	90-100	80-100	60-80	50-70	35-40	15-20
	4-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
652---------- Chalco	0-3	Stony loam--------	SM, ML	A-2, A-4	25-40	70-90	65-80	45-65	30-60	25-35	NP-10
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-60	30-40
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
653---------- Chalco	0-3	Cobbly sandy loam	SM	A-2	25-45	70-90	65-80	50-60	20-30	20-30	NP-5
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-60	30-40
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
654*:											
Chalco----------	0-3	Cobbly sandy loam	SM	A-2	25-45	70-90	65-80	50-60	20-30	20-30	NP-5
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-60	30-40
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Celeton Variant-	0-6	Very gravelly loam.	GC	A-2, A-6	0-10	50-65	40-50	35-50	25-40	25-35	10-15
	6	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments > 3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
660---------- Oest	0-13	Very bouldery sandy loam.	SM	A-1, A-2	15-25	70-90	60-75	35-55	20-30	15-25	NP
	13-44	Very gravelly sandy loam, very gravelly sandy clay loam, very cobbly sandy loam.	SC	A-2	25-40	65-80	40-55	20-35	10-25	25-35	10-25
	44-60	Very gravelly loamy sand, extremely gravelly sand.	SC, SM-SC	A-1	20-30	40-50	30-40	15-25	5-10	---	5-15
661---------- Oest	0-14	Bouldery sandy loam.	SM, SM-SC	A-1, A-2	5-15	70-90	60-75	35-55	20-30	15-25	NP-10
	14-40	Very gravelly sandy loam, very gravelly sandy clay loam, very cobbly sandy loam.	SC	A-2	25-40	65-80	40-55	20-35	10-25	25-35	10-25
	40-60	Very gravelly loamy sand, extremely gravelly sand.	SC, SM-SC	A-1	20-30	40-50	30-40	15-25	5-10	---	5-15
662---------- Oest	0-8	Extremely stony sandy loam.	SM, SM-SC	A-1, A-2	15-35	70-90	50-65	30-45	15-25	15-25	NP-10
	8-40	Very gravelly sandy loam, very gravelly sandy clay loam, very cobbly sandy loam.	SC	A-2	25-40	65-80	40-55	20-35	10-25	25-35	10-25
	40-60	Very gravelly loamy sand, extremely gravelly sand.	SC, SM-SC	A-1	20-30	40-50	30-40	15-25	5-10	---	5-15
663---------- Oest	0-15	Very gravelly loam.	GM-GC	A-2	5-15	35-50	30-45	25-40	20-35	25-30	5-10
	15-40	Very gravelly sandy loam, very gravelly sandy clay loam.	GC	A-2	15-25	45-60	35-50	20-35	10-25	25-35	10-15
	40-60	Very gravelly loamy sand, extremely gravelly loamy sand, extremely gravelly sand.	GP-GM	A-1	20-30	40-50	30-40	15-25	5-10	---	NP
664---------- Oest	0-14	Very gravelly loam.	GM-GC	A-2	5-15	35-50	30-45	25-40	20-35	25-30	5-10
	14-40	Very gravelly sandy loam, very gravelly sandy clay loam.	GC	A-2	15-25	45-60	35-50	20-35	10-25	25-35	10-15
	40-60	Very gravelly loamy sand, extremely gravelly loamy sand, extremely gravelly sand.	GP-GM	A-1	20-30	40-50	30-40	15-25	5-10	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
668---------- Oest	0-15	Very bouldery sandy loam.	SM, SM-SC	A-1, A-2	15-25	70-90	60-75	35-55	20-30	15-25	NP-10
	15-40	Very gravelly sandy loam, very gravelly sandy clay loam, very cobbly sandy loam.	SC	A-2	25-40	65-80	40-55	20-35	10-25	25-35	10-25
	40-60	Very gravelly loamy sand, extremely gravelly sand.	SC, SM-SC	A-1	20-30	40-50	30-40	15-25	5-10	---	5-15
669---------- Oest	0-14	Gravelly sandy loam.	SM, SM-SC	A-1, A-2	5-10	70-90	60-75	35-55	20-30	15-25	NP-10
	14-40	Very gravelly sandy loam, very gravelly sandy clay loam.	GC	A-2	15-25	45-60	35-50	20-35	10-25	25-35	10-15
	40-60	Very gravelly loamy sand, extremely gravelly loamy sand, extremely gravelly sand.	GP-GM	A-1	20-30	40-50	30-40	15-25	5-10	---	NP
670---------- Galeppi	0-10	Sandy loam--------	SM	A-2, A-4	0-10	95-100	90-100	55-70	30-40	15-25	NP-5
	10-22	Sandy clay loam, clay loam.	SC, CL	A-6	0-10	95-100	90-100	75-90	35-60	30-40	10-15
	22-60	Sandy loam--------	SM	A-2	0-10	95-100	90-100	55-70	20-35	15-25	NP-5
671---------- Galeppi	0-10	Sandy loam--------	SM	A-2, A-4	0-10	95-100	90-100	55-70	30-40	15-25	NP-5
	10-24	Sandy clay loam, clay loam.	SC, CL	A-6	0-10	95-100	90-100	75-90	35-60	30-40	10-15
	24-60	Sandy loam--------	SM	A-2	0-10	95-100	90-100	55-70	20-35	15-25	NP-5
673---------- Galeppi	0-10	Sandy loam--------	SM	A-2, A-4	0-10	95-100	90-100	55-70	30-40	15-25	NP-5
	10-21	Sandy clay loam, clay loam.	SC, CL	A-6	0-10	95-100	90-100	75-90	35-60	30-40	10-15
	21-60	Sandy loam--------	SM	A-2	0-10	95-100	90-100	55-70	20-35	15-25	NP-5
674---------- Galeppi	0-10	Stony sandy loam	SM	A-2, A-4	20-40	85-95	80-95	50-70	30-40	15-25	NP-5
	10-21	Cobbly sandy clay loam, cobbly clay loam.	SC, CL	A-6	20-40	85-95	80-95	75-90	35-60	30-40	10-15
	21-60	Cobbly sandy loam	SM	A-2	20-40	85-95	80-95	50-70	20-35	15-25	NP-5
676*:											
Galeppi---------	0-9		SM	A-2, A-4	0-10	95-100	90-100	55-70	30-40	15-25	NP-5
	9-36	Sandy clay loam, clay loam.	SC, CL	A-6	0-10	95-100	90-100	75-90	35-60	30-40	10-15
	36-60	Sandy loam--------	SM	A-2	0-10	95-100	90-100	55-70	20-35	15-25	NP-5
Barnard---------	0-15	Stony sandy loam	SM, SM-SC	A-2, A-4	10-25	85-95	80-90	50-80	25-50	15-30	NP-10
	15-26	Clay, silty clay	CH	A-7	0-10	85-95	80-90	70-90	60-85	50-60	30-40
	26	Indurated--------	---	---	---	---	---	---	---	---	---
681---------- Reno	0-2	Very stony fine sandy loam.	SM	A-1, A-2, A-4	50-60	75-80	60-75	35-55	20-40	---	NP
	2-24	Sandy clay, clay, gravelly clay.	SC, CH, CL	A-7	0-20	80-100	75-95	65-95	35-85	40-60	25-35
	24-47	Cemented---------	---	---	---	---	---	---	---	---	---
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
683---------- Reno	0-4	Stony sandy loam	SM	A-1, A-2	25-35	75-85	50-75	30-50	15-30	---	NP
	4-24	Sandy clay, clay, gravelly clay.	SC, CH, CL	A-7	0-20	80-100	75-95	65-95	35-85	40-60	25-35
	24-47	Cemented---------	---	---	---	---	---	---	---	---	---
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---
730---------- Stodick	0-4	Very stony loam	CL-ML	A-4	5-10	85-95	80-90	70-85	50-70	15-25	5-10
	4-14	Very gravelly clay loam, very gravelly loam.	GC, SC	A-2, A-6	0-5	50-75	35-55	30-55	20-45	30-40	10-20
	14	Weathered bedrock	---	---	---	---	---	---	---	---	---
731---------- Stodick	0-5	Stony loam-------	CL-ML	A-4	0-5	85-95	80-90	70-85	50-70	15-25	5-10
	5-14	Very gravelly clay loam, very gravelly loam.	GC, SC	A-2, A-6	0-5	50-75	35-55	30-55	20-45	30-40	10-20
	14	Weathered bedrock	---	---	---	---	---	---	---	---	---
740---------- Blackwell	0-11	Sandy loam-------	SM	A-2	0	90-100	90-100	55-70	25-35	---	NP
	11-60	Stratified clay loam to gravelly coarse sand.	CL-ML, CL, SC, SM-SC	A-4, A-6	0	80-100	75-100	55-80	45-65	25-35	5-15
752*, 753*:											
Toiyabe---------	0-8	Bouldery coarse sand.	SP-SM, SM	A-1	5-20	70-100	60-85	20-50	5-20	---	NP
	8-13	Loamy coarse sand, gravelly loamy coarse sand, coarse sand.	SP-SM, SM	A-1	0-15	70-100	60-85	20-50	5-20	---	NP
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
Corbett---------	0-8	Bouldery sand----	SP-SM, SM	A-1	10-25	65-90	55-80	30-50	5-15	---	NP
	8-32	Loamy coarse sand, loamy sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	0-10	70-95	60-85	30-50	5-20	---	NP
	32	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
754*:											
Toiyabe---------	0-9	Bouldery coarse sand.	SP-SM, SM	A-1	5-20	70-100	60-85	20-50	5-20	---	NP
	9-13	Loamy coarse sand, gravelly loamy coarse sand, coarse sand.	SP-SM, SM	A-1	0-15	70-100	60-85	20-50	5-20	---	NP
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
756*:											
Toiyabe---------	0-7	Bouldery coarse sand.	SP-SM, SM	A-1	5-20	70-100	60-85	20-50	5-20	---	NP
	7-15	Loamy coarse sand, gravelly loamy coarse sand, coarse sand.	SP-SM, SM	A-1	0-15	70-100	60-85	20-50	5-20	---	NP
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
756*:											
Corbett	0-9	Bouldery sand	SP-SM, SM	A-1	10-25	65-90	55-80	30-50	5-15	---	NP
	9-34	Loamy coarse sand, loamy sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	0-10	70-95	60-85	30-50	5-20	---	NP
	34	Weathered bedrock	---	---	---	---	---	---	---	---	---
Haypress	0-15	Very bouldery loamy coarse sand.	SM	A-1	10-35	80-95	65-80	35-50	10-25	---	NP
	15-46	Gravelly coarse sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	5-10	60-85	50-75	25-50	5-15	---	NP
	46	Weathered bedrock	---	---	---	---	---	---	---	---	---
772 Booford	0-7	Very stony sandy loam.	SM	A-4	25-40	60-100	80-100	70-80	35-50	---	NP
	7-25	Clay, silty clay, gravelly clay.	CH, GC	A-7	0-15	65-100	60-100	50-100	40-95	55-65	30-40
	25-45	Weathered bedrock	---	---	---	---	---	---	---	---	---
775 Booford	0-8	Very stony loam	ML, CL-ML	A-4	25-40	80-95	75-90	60-75	50-65	20-30	NP-10
	8-25	Clay, silty clay, gravelly clay.	CH, GC	A-7	0-15	65-100	60-100	50-100	40-95	55-65	30-40
	25-45	Weathered bedrock	---	---	---	---	---	---	---	---	---
780 Bieber	0-8	Stony sandy loam	SM, SM-SC	A-4	5-30	80-100	75-95	50-70	35-50	20-30	NP-10
	8-19	Clay, clay loam	CL, CH	A-7	0	80-100	75-95	70-90	60-85	45-60	20-35
	19-25	Indurated	---	---	---	---	---	---	---	---	---
	25-60	Variable									
782 Bieber	0-7	Stony sandy loam	SM, SM-SC	A-4	5-30	80-100	75-95	50-70	35-50	20-30	NP-10
	7-19	Clay, clay loam	CL, CH	A-7	0	80-100	75-95	70-90	60-85	45-60	20-35
	19-25	Indurated	---	---	---	---	---	---	---	---	---
	25-60	Stratified cobbly sandy loam to very gravelly sandy loam.	GM	A-1	25-35	35-55	30-50	20-35	15-25	20-30	NP-5
800, 802 Truckee	0-12	Silt loam	ML	A-4	0	100	100	85-95	60-80	25-35	NP-10
	12-60	Stratified sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6	0	100	100	85-95	60-75	25-35	5-15
805 Truckee	0-12	Sandy loam	SM, ML	A-4	0	100	100	70-80	40-55	---	NP
	12-30	Stratified sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6	0-5	95-100	95-100	60-90	50-60	25-35	5-15
	30-60	Stratified gravelly sand to very gravelly sandy loam.	SP-SM, SM, GP-GM, GM	A-1	5-20	50-70	40-60	30-45	5-25	---	NP
806 Truckee	0-12	Sandy loam	SM, ML	A-4	0	100	100	70-80	40-55	---	NP
	12-30	Stratified sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6	0	100	100	85-95	60-75	20-35	5-15
	30-60	Stratified sand to very fine sandy loam.	SM	A-2	0	100	100	60-85	10-20	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
810---------- Rose Creek	0-16	Fine sandy loam	SM, ML	A-4	0-5	90-100	80-95	65-80	45-55	25-30	NP-5
	16-60	Stratified gravelly sand to silt loam.	SM	A-2, A-4	0-5	85-100	70-95	50-70	30-40	20-25	NP-5
812---------- Rose Creek	0-15	Loamy fine sand	SM	A-2	0-5	90-100	80-95	50-60	25-35	---	NP
	15-60	Stratified gravelly sand to silt loam.	SM	A-2, A-4	0-5	85-100	70-95	50-70	30-40	20-25	NP-5
813---------- Rose Creek	0-16	Gravelly fine sandy loam.	SM	A-2, A-4	0-5	80-90	70-80	50-65	30-40	20-25	NP-5
	16-60	Stratified gravelly sand to silt loam.	SM	A-2, A-4	0-5	85-100	70-95	50-70	30-40	20-25	NP-5
820---------- Marla	0-18	Loamy sand--------	SP-SM, SM	A-1	0	90-100	75-100	35-50	5-25	---	NP
	18-44	Loamy coarse sand, loamy sand.	SP-SM, SM	A-1	0	90-100	75-100	35-50	5-25	---	NP
	44-66	Stratified gravelly loamy coarse sand to sandy loam.	SM	A-1, A-2, A-4	0	90-100	50-90	40-75	15-40	20-30	NP-5
821---------- Marla	0-18	Loamy sand--------	SP-SM, SM	A-1	0	90-100	75-100	35-50	5-25	---	NP
	18-44	Loamy coarse sand, loamy sand.	SP-SM, SM	A-1	0	90-100	75-100	35-50	5-25	---	NP
	44-66	Stratified gravelly loamy coarse sand to sandy loam.	SM	A-1, A-2, A-4	0	90-100	50-90	40-75	15-40	20-30	NP-5
830---------- Fettic	0-1	Silty clay loam	CL	A-6	0	95-100	95-100	90-100	80-90	35-40	15-20
	1-21	Clay loam, silty clay loam.	CL	A-6, A-7	0	95-100	95-100	95-100	80-90	35-45	15-20
	21-60	Stratified loamy sand to silty clay.	CL, SC	A-6	0	100	100	65-100	45-70	25-40	10-20
831---------- Fettic	0-4	Loam----------	CL	A-6	0	95-100	95-100	75-95	75-80	30-40	10-20
	4-20	Clay loam, silty clay loam.	CL	A-6, A-7	0	95-100	95-100	95-100	80-90	35-45	15-20
	20-60	Stratified loamy sand to silty clay.	CL, SC	A-6	0	100	100	65-100	45-70	25-40	10-20
840*:											
Temo----------	0-10	Bouldery coarse sand.	SP-SM	A-1	10-25	85-100	50-70	20-45	5-10	---	NP
	10-16	Gravelly loamy coarse sand, coarse sand, gravelly coarse sand.	SP-SM, SM	A-1	0-5	70-100	50-80	20-45	5-15	---	NP
	16	Weathered bedrock	---	---	---	---	---	---	---	---	---
Witefels--------	0-8	Gravelly coarse sand.	SM, SP-SM	A-1	0-5	90-95	65-75	20-40	5-15	---	NP
	8-35	Gravelly loamy coarse sand, gravelly coarse sand.	SM	A-1	0-5	85-95	55-75	20-35	10-20	---	NP
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
840*: Rock outcrop.											
850 Washoe	0-8	Gravelly sandy loam.	SM	A-1	0-10	70-80	60-70	35-50	15-25	---	NP
	8-38	Very gravelly sandy clay loam, very gravelly sandy loam.	GC, SC	A-2, A-6	5-20	55-80	50-70	40-55	20-50	25-35	10-20
	38-60	Stratified gravelly loamy coarse sand to very cobbly loamy coarse sand.	GP-GM, GM, SP-SM, SM	A-1	10-50	50-70	40-60	20-40	5-20	---	NP
861 Reywat	0-6	Extremely stony loam.	GM, SM	A-4	25-55	55-80	50-70	45-65	35-50	25-35	NP-10
	6-18	Very gravelly clay loam, very gravelly loam.	GC	A-2, A-6	10-20	40-60	35-55	35-45	25-40	30-40	10-20
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
862 Reywat	0-6	Very cobbly sandy loam.	SM	A-2	25-55	80-85	75-80	45-55	25-30	20-25	NP-5
	6-18	Very gravelly clay loam, very gravelly loam.	GC	A-2, A-6	10-20	40-60	35-55	35-45	25-40	30-40	10-20
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
863*: Reywat	0-6	Extremely stony loam.	GM, SM	A-4	25-55	55-80	50-70	45-65	35-50	25-35	NP-10
	6-14	Very gravelly clay loam, very gravelly loam.	GC	A-2, A-6	10-20	40-60	35-55	35-45	25-40	30-40	10-20
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
870*: Xman	0-3	Extremely stony sandy loam.	SM	A-2	30-60	75-90	70-80	45-55	25-35	---	NP
	3-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
871 Xman	0-2	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
872 Xman	0-2	Very stony sandy loam.	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
873*:											
Xman----------	0-4	Extremely stony sandy loam.	SM	A-2	30-60	75-90	70-80	45-55	25-35	---	NP
	4-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
875*:											
Xman----------	0-2	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Zephan----------	0-8	Very stony sandy loam.	SM-SC	A-2	10-25	65-80	55-65	35-45	15-25	20-30	5-10
	8-35	Very cobbly clay, very cobbly sandy clay, very cobbly clay loam.	GC, CH	A-7	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	35-42	Weathered bedrock	---	---	---	---	---	---	---	---	---
Mizel----------	0-3	Very gravelly coarse sandy loam.	GM	A-1	5-10	40-60	30-40	15-30	10-25	---	NP
	3-7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
876*:											
Xman----------	0-2	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Oppio----------	0-6	Very stony fine sandy loam.	SM	A-1, A-2	25-35	65-75	45-65	35-50	20-30	10-20	NP-5
	6-27	Gravelly clay-----	GC	A-6, A-7	0-5	60-70	50-60	45-55	40-50	35-45	20-30
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Old Camp--------	0-2	Extremely stony sandy loam.	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	2-14	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
877*:											
Xman----------	0-2	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
877*:											
Frodo	0-6	Very stony loam	CL, CL-ML	A-6, A-4	25-50	85-90	70-85	60-80	50-60	25-35	5-15
	6-18	Clay loam, clay, gravelly clay loam.	CL, CH	A-7	0-5	80-95	65-90	60-90	50-80	40-65	20-35
	18-23	Cemented	---	---	---	---	---	---	---	---	---
	23-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Mizel	0-3	Very gravelly coarse sandy loam.	GM	A-1	5-10	40-60	30-40	15-30	10-25	---	NP
	3-7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
880*:											
Zephan	0-8	Very gravelly sandy loam.	GM-GC, SM-SC	A-2	0-5	50-75	40-50	25-40	15-20	20-30	5-10
	8-35	Very cobbly clay, very cobbly sandy clay, very cobbly clay loam.	GC, CH	A-7	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	35-42	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
Smallcone	0-6	Very gravelly sandy loam.	GP-GM, GM, SP-SM, SM	A-1	0-10	40-75	15-50	10-30	5-25	20-30	NP-5
	6	Weathered bedrock	---	---	---	---	---	---	---	---	---
881 Zephan	0-8	Very gravelly sandy loam.	GM-GC, SM-SC	A-2	0-5	50-75	40-50	25-40	15-20	20-30	5-10
	8-35	Very cobbly clay, very cobbly sandy clay, very cobbly clay loam.	GC, CH	A-7	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	35-42	Weathered bedrock	---	---	---	---	---	---	---	---	---
882 Zephan	0-8	Stony sandy loam	SM-SC, SC	A-2	5-10	65-80	55-65	35-45	15-25	20-30	5-10
	8-35	Very cobbly clay, very cobbly sandy clay, very cobbly clay loam.	GC, CH	A-7	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	35-42	Weathered bedrock	---	---	---	---	---	---	---	---	---
890, 891 Indiano	0-14	Gravelly loam	GM, GM-GC, ML, CL-ML	A-4	0-5	60-80	60-75	50-70	35-60	20-30	NP-10
	14-29	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
892*:											
Indiano	0-13	Gravelly loam	GM, GM-GC, ML, CL-ML	A-4	0-5	60-80	60-75	50-70	35-60	20-30	NP-10
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
892*:											
Koontz----------	0-6	Cobbly loam------	SM, ML	A-4	15-30	80-90	70-80	45-60	40-55	20-30	NP-5
	6-18	Very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	0-15	50-65	35-50	25-45	25-40	30-40	10-20
	18	Weathered bedrock	---	---	---	---	---	---	---	---	---
Flex----------	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	40-65	40-50	30-40	15-25	15-25	NP-5
	3-10	Very gravelly sandy clay loam, very gravelly sandy loam.	GM-GC, GC	A-2	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
893*:											
Indiano---------	0-13	Stony fine sandy loam.	SM	A-1, A-2	20-25	70-85	65-80	40-65	20-35	---	NP
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Duco----------	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Cagle----------	0-7	Very stony clay loam.	CL	A-6, A-7	25-35	85-95	80-90	75-85	55-65	35-45	15-25
	7-20	Gravelly clay----	CL, CH	A-7	0-5	65-75	65-70	60-70	50-60	45-55	20-30
	20-23	Very gravelly clay, very cobbly clay loam, extremely gravelly clay.	GC	A-2	5-35	30-55	20-55	20-50	15-35	45-55	20-30
	23	Weathered bedrock	---	---	---	---	---	---	---	---	---
894*:											
Indiano---------	0-13	Stony fine sandy loam.	SM	A-1, A-2	20-25	70-85	65-80	40-65	20-35	---	NP
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Duco----------	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
894*:											
Skedaddle	0-5	Very stony loam	GC, SC	A-2, A-6	30-50	60-80	50-70	40-60	30-45	25-35	10-15
	5-8	Weathered bedrock	---	---	---	---	---	---	---	---	---
	8-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
895*:											
Indiano	0-13	Stony fine sandy loam.	SM	A-1, A-2	20-25	70-85	65-80	40-65	20-35	---	NP
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Zephan	0-8	Very stony sandy loam.	SM-SC	A-2	10-25	65-80	55-65	35-45	15-25	20-30	5-10
	8-35	Very cobbly clay, very cobbly sandy clay, very cobbly clay loam.	GC, CH	A-7	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	35-42	Weathered bedrock	---	---	---	---	---	---	---	---	---
Duco	0-7	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	7-15	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
900 Flex	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	40-65	40-50	30-40	15-25	15-25	NP-5
	3-10	Very gravelly sandy clay loam, very gravelly sandy loam.	GM-GC, GC	A-2	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
901 Flex	0-4	Very gravelly sandy loam.	GM, SM	A-1	0-10	40-65	40-50	30-40	15-25	15-25	NP-5
	4-10	Very gravelly sandy clay loam, very gravelly sandy loam.	GM-GC, GC	A-2	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
903 Flex	0-3	Stony sandy loam	SM	A-2	5-10	75-100	60-85	45-60	25-45	15-25	NP-5
	3-10	Very gravelly sandy clay loam, very gravelly sandy loam.	GM-GC, GC	A-2	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
910 Vamp	0-3	Fine sandy loam	SM, ML	A-4	0	100	90-100	65-80	40-60	---	NP
	3-36	Stratified silt loam to fine sandy loam.	SM, ML	A-4	0	90-100	90-100	70-90	45-65	20-30	NP-5
	36-42	Cemented	---	---	---	---	---	---	---	---	---
	42-60	Stratified silt loam to loamy sand.	SM, ML	A-4	0	90-100	85-100	60-80	35-60	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
911---------- Vamp	0-3	Silt loam--------	ML	A-4	0	100	90-100	75-90	60-75	---	NP
	3-36	Stratified silt loam to fine sandy loam.	SM, ML	A-4	0	90-100	90-100	70-90	45-65	20-30	NP-5
	36-42	Cemented---------	---	---	---	---	---	---	---	---	---
	42-60	Stratified silt loam to loamy sand.	SM, ML	A-4	0	90-100	85-100	60-80	35-60	---	NP
930---------- Old Camp	0-7	Stony sandy loam	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	7-17	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
931*:											
Old Camp-------- extremely stony	0-7	Extremely stony sandy loam.	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	7-17	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Old Camp-------- stony	0-8	Stony sandy loam	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	8-17	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
932---------- Old Camp	0-7	Stony sandy loam	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	7-17	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
960, 961--------- Kayo	0-11	Stony sandy loam	GM	A-1	5-10	50-60	40-55	25-40	10-20	---	NP
	11-22	Very gravelly coarse sandy loam, very gravelly sandy loam.	GM-GC, GP-GC	A-1, A-2	5-10	45-60	30-50	10-35	5-20	20-25	5-10
	22-60	Very gravelly loamy coarse sand, very gravelly sandy loam, extremely gravelly sand.	GP-GM	A-1	5-10	30-55	25-45	10-30	5-10	---	NP
962---------- Kayo	0-10	Very stony sandy loam.	GM, SM	A-1	10-25	50-70	45-60	25-40	15-25	---	NP
	10-25	Very gravelly coarse sandy loam, very gravelly sandy loam.	GM-GC, GP-GC	A-1, A-2	5-10	45-60	30-50	10-35	5-20	20-25	5-10
	25-60	Very gravelly loamy coarse sand, very gravelly sandy loam, extremely gravelly sand.	GP-GM	A-1	5-10	30-55	25-45	10-30	5-10	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
963---------- Kayo	0-11	Very stony sandy loam.	GM, SM	A-1	10-25	50-70	45-60	25-40	15-25	---	NP
	11-22	Very gravelly coarse sandy loam, very gravelly sandy loam.	GM-GC, GP-GC	A-1, A-2	5-10	45-60	30-50	10-35	5-20	20-25	5-10
	22-60	Very gravelly loamy coarse sand, very gravelly sandy loam, extremely gravelly sand.	GP-GM	A-1	5-10	30-55	25-45	10-30	5-10	---	NP
971---------- Aladshi	0-7	Sandy loam--------	SM	A-2	0-5	85-100	80-95	50-65	25-35	---	NP
	7-34	Gravelly loam, sandy clay loam, sandy loam.	SC, CL	A-6	5-10	80-95	70-90	55-75	45-60	25-35	10-20
	34-60	Stratified very gravelly loam to extremely gravelly loamy sand.	SM	A-1, A-2	5-10	60-75	35-50	25-40	15-30	---	NP
974---------- Aladshi	0-6	Gravelly sandy loam.	SM	A-1, A-2	0-5	80-95	60-75	40-55	20-30	---	NP
	6-34	Gravelly loam, sandy clay loam, sandy loam.	SC, CL	A-6	5-10	80-95	70-90	55-75	45-60	25-35	10-20
	34-60	Stratified very gravelly loam to extremely gravelly loamy sand.	SM	A-1, A-2	5-10	60-75	35-50	25-40	15-30	---	NP
980---------- Koontz	0-5	Gravelly loam----	SM, ML	A-4	0-10	70-90	60-75	45-60	35-55	20-30	NP-5
	5-18	Very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	0-15	50-65	35-50	30-45	25-40	30-40	10-20
	18	Weathered bedrock	---	---	---	---	---	---	---	---	---
982---------- Koontz	0-6	Stony loam--------	SM, ML	A-4	5-15	80-90	70-80	45-60	40-55	20-30	NP-5
	6-18	Very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	0-15	50-65	35-50	25-45	25-40	30-40	10-20
	18	Weathered bedrock	---	---	---	---	---	---	---	---	---
990*. Rock outcrop											
991*: Xeric Torriorthents.											
Urban land.											
992*. Playas											
993*. Haplaquolls											
994*: Badland.											

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
994*:											
Chalco----------	0-3	Very stony clay loam.	CL	A-6	25-50	90-100	80-100	60-80	50-70	35-40	15-20
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
Verdico---------	0-2	Extremely stony sandy loam.	SM	A-2	25-45	85-100	75-85	50-60	20-30	---	NP
	2-22	Clay----------	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
996*:											
Dune land.											
Playas.											
997*.											
Badland											
998*.											
Beaches											
1010----------	0-14	Very gravelly sandy loam.	GM	A-1, A-2	5-10	40-55	25-50	20-45	15-35	15-25	NP-5
Gabica	14-19	Very gravelly clay loam, very gravelly silty clay loam, very stony clay loam.	GC	A-2, A-6	10-50	45-60	25-50	25-50	20-40	25-35	10-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1040----------	0-18	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-90	55-75	35-55	15-30	---	NP
Orr Variant	18-39	Sandy clay loam, clay loam.	SC, SM-SC, CL, CL-ML	A-4, A-6	0	90-100	90-100	80-100	35-65	25-40	5-20
	39-65	Silty clay loam, silt loam.	ML, CL	A-4, A-6, A-7	0	95-100	95-100	90-100	70-95	30-45	5-20
1041----------	0-10	Coarse sandy loam	SM	A-1, A-2, A-4	0-5	90-100	85-100	45-70	20-40	---	NP
Orr Variant	10-31	Sandy clay loam, clay loam.	SC, SM-SC, CL, CL-ML	A-4, A-6	0	90-100	90-100	80-100	35-65	25-40	5-20
	31-60	Silty clay loam, silt loam.	ML, CL	A-4, A-6, A-7	0	95-100	95-100	90-100	70-95	30-45	5-20
1050----------	0-7	Clay----------	CH	A-7	0-5	90-100	85-100	75-95	65-90	50-60	25-35
Waspo	7-24	Clay----------	CH	A-7	0-5	90-100	85-100	75-95	65-90	50-60	25-35
	24-35	Weathered bedrock	---	---	---	---	---	---	---	---	---
1051----------	0-7	Stony clay-------	CH	A-7	5-10	90-100	85-100	75-95	65-90	50-60	25-35
Waspo	7-24	Clay----------	CH	A-7	0-5	90-100	85-100	75-95	65-90	50-60	25-35
	24-35	Weathered bedrock	---	---	---	---	---	---	---	---	---
1052*:											
Waspo----------	0-9	Stony clay-------	CH	A-7	5-10	90-100	85-100	75-95	65-90	50-60	25-35
	9-26	Clay----------	CH	A-7	0-5	90-100	85-100	75-95	65-90	50-60	25-35
	26-35	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1054----------	0-6	Gravelly clay----	CH, SC	A-7	0-5	90-100	60-75	50-70	45-65	50-60	25-35
Waspo	6-23	Clay----------	CH	A-7	0-5	90-100	85-100	75-95	65-90	50-60	25-35
	23-35	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1060*, 1062*:											
Witefels--------	0-8	Coarse sand------	SP-SM	A-1	0-5	95-100	85-95	20-40	5-10	---	NP
	8-35	Gravelly loamy coarse sand, gravelly coarse sand.	SM	A-1	0-5	85-95	55-75	20-35	10-20	---	NP
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1080---------- Inville Variant	0-8	Gravelly sandy loam.	SM	A-1, A-2	0-5	80-90	65-75	40-55	20-30	---	NP
	8-25	Very gravelly loam, very gravelly sandy loam, very gravelly sandy clay loam.	SC	A-2	5-10	75-85	40-50	30-45	10-25	25-35	10-15
	25-78	Gravelly sandy clay loam, gravelly clay loam, gravelly sandy loam.	SC	A-2, A-6	5-10	75-90	55-65	35-65	20-50	25-35	10-15
1090, 1091------- Railcity	0-6	Very bouldery coarse sand.	SP-SM, SM	A-1	15-25	90-100	60-80	25-40	5-15	---	NP
	6-60	Stratified extremely gravelly coarse sand to sandy loam.	SP-SM, SM	A-1	25-45	80-90	30-45	25-35	5-15	---	NP
1100*:											
Graylock--------	0-10	Bouldery loamy sand.	SM, SP-SM	A-1	5-10	80-90	35-55	20-30	5-15	---	NP
	10-60	Very gravelly coarse sand, very gravelly sand, very gravelly loamy sand.	SP, SP-SM	A-1	35-50	60-75	45-65	10-30	0-10	---	NP
	60	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Temo----------	0-10	Bouldery coarse sand.	SP-SM	A-1	10-25	85-100	50-70	20-45	5-10	---	NP
	10-16	Gravelly loamy coarse sand, coarse sand, gravelly coarse sand.	SP-SM, SM	A-1	0-5	70-100	50-80	20-45	5-15	---	NP
	16	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1120---------- Apmat	0-10	Very stony coarse sand.	SM, SP-SM	A-1	5-15	85-95	75-90	20-35	5-15	---	NP
	10-21	Very gravelly loamy sand.	SM, SP-SM, GM, GP-GM	A-1	0-15	50-60	40-50	20-30	5-15	---	NP
	21-55	Very stony coarse sandy loam, very stony sandy loam, extremely cobbly loam.	SM-SC	A-2	50-75	70-80	50-60	20-30	10-20	20-30	5-10
	55-60	Extremely bouldery loamy coarse sand.	SM, SP-SM	A-1	60-85	65-75	40-50	20-30	5-15	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1121---------- Apmat	0-10	Gravelly sandy loam.	GM, SM	A-2	0-10	60-80	50-75	35-60	25-35	---	NP
	10-21	Very gravelly loamy sand.	SM, SP-SM, GM, GP-GM	A-1	0-15	50-60	40-50	20-30	5-15	---	NP
	21-55	Very stony coarse sandy loam, very stony sandy loam, extremely cobbly loam.	SM-SC	A-2	50-75	70-80	50-60	20-30	10-20	20-30	5-10
	55-60	Extremely bouldery loamy coarse sand.	SM, SP-SM	A-1	60-85	65-75	40-50	20-30	5-15	---	NP
1130---------- Dithod	0-15	Sandy loam--------	SM	A-2, A-4	0-5	80-100	80-100	55-70	25-40	---	NP
	15-60	Stratified loamy fine sand to clay loam.	SM-SC, SC, CL-ML, CL	A-4, A-6	0-5	80-100	80-100	70-95	40-55	25-35	5-15
1141, 1142-------- Bedell	0-15	Loamy sand--------	SM	A-1, A-2	0-5	95-100	80-95	40-65	15-30	---	NP
	15-54	Sandy loam--------	SM	A-2	0-5	95-100	80-95	30-65	25-35	---	NP
	54-65	Loamy coarse sand, sand, sandy loam.	SP-SM, SM	A-1, A-2, A-3	0-15	95-100	80-90	40-65	5-30	---	NP
1143---------- Bedell	0-14	Loamy sand--------	SM	A-1, A-2	0-5	95-100	80-95	40-65	15-30	---	NP
	14-50	Sandy loam--------	SM	A-2	0-5	95-100	80-95	30-65	25-35	---	NP
	50-60	Loamy coarse sand, sand, sandy loam.	SP-SM, SM	A-1, A-2, A-3	0-15	95-100	80-90	40-65	5-30	---	NP
1160---------- Jowec	0-2	Silty clay loam	CL	A-6	0	95-100	95-100	90-100	85-95	35-40	15-20
	2-20	Clay----------	CH	A-7	0	95-100	95-100	85-100	75-90	50-55	25-30
	20-38	Clay loam--------	CL	A-7	0	95-100	95-100	80-95	65-80	40-50	20-25
	38-60	Stratified loam to sandy loam.	CL-ML, SM-SC	A-4	0	95-100	90-100	65-85	40-60	25-30	5-10
1161---------- Jowec	0-2	Sandy loam--------	SM	A-4	0	95-100	95-100	65-80	35-50	15-25	NP-5
	2-20	Clay----------	CH	A-7	0	95-100	95-100	85-100	75-90	50-55	25-30
	20-38	Clay loam--------	CL	A-7	0	95-100	95-100	80-95	65-80	40-50	20-25
	38-60	Stratified loam to sandy loam.	CL-ML, SM-SC	A-4	0	95-100	90-100	65-85	40-60	25-30	5-10
1170---------- Wedertz	0-6	Sandy loam--------	SM-SC, SM	A-2	0-5	90-100	85-95	50-65	25-35	20-25	NP-5
	6-22	Sandy clay loam, clay loam.	SC, CL	A-2, A-6	0-5	90-100	90-100	70-90	30-55	30-40	10-20
	22-34	Sandy loam--------	SM-SC	A-2	0-5	90-100	90-100	55-70	25-35	25-30	5-10
	34-60	Gravelly loamy sand.	SM	A-1	0-5	65-85	55-70	30-50	10-20	---	NP
1171---------- Wedertz	0-8	Sandy loam--------	SM-SC, SM	A-2	0-5	90-100	85-95	50-65	25-35	20-25	NP-5
	8-31	Sandy clay loam, clay loam.	SC, CL	A-2, A-6	0-5	90-100	90-100	70-90	30-55	30-40	10-20
	31-38	Sandy loam--------	SM-SC	A-2	0-5	90-100	90-100	55-70	25-35	25-30	5-10
	38-60	Gravelly loamy sand.	SM	A-1	0-5	65-85	55-70	30-50	10-20	---	NP
1172---------- Wedertz	0-7	Sand----------	SM, SP-SM	A-2, A-3	0-5	90-100	90-100	50-70	5-15	---	NP
	7-25	Sandy clay loam, clay loam.	SC, CL	A-2, A-6	0-5	90-100	90-100	70-90	30-55	30-40	10-20
	25-31	Sandy loam--------	SM-SC	A-2	0-5	90-100	90-100	55-70	25-35	25-30	5-10
	31-60	Gravelly loamy sand.	SM	A-1	0-5	65-85	55-70	30-50	10-20	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1181*:											
Haypress	0-15	Very bouldery loamy coarse sand.	SM	A-1	10-35	80-95	65-80	35-50	10-25	---	NP
	15-40	Gravelly coarse sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	5-10	60-85	50-75	25-50	5-15	---	NP
	40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Tanob	0-17	Gravelly loamy coarse sand.	SM	A-1	0-5	80-95	55-75	25-40	10-25	---	NP
	17-28	Sandy loam, coarse sandy loam.	SM	A-2, A-4	0-5	90-100	75-95	45-60	25-45	15-20	NP-5
	28	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1182*:											
Haypress	0-15	Extremely bouldery loamy coarse sand.	SM	A-1	25-70	80-95	65-80	35-50	10-25	---	NP
	15-40	Gravelly coarse sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	5-10	60-85	50-75	25-50	5-15	---	NP
	40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Tanob	0-17	Gravelly loamy coarse sand.	SM	A-1	0-5	80-95	55-75	25-40	10-25	---	NP
	17-28	Sandy loam, coarse sandy loam.	SM	A-2, A-4	0-5	90-100	75-95	45-60	25-45	15-20	NP-5
	28	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1183*:											
Haypress	0-14	Very bouldery loamy coarse sand.	SM	A-1	10-35	80-95	65-80	35-50	10-25	---	NP
	14-49	Gravelly coarse sand, gravelly loamy coarse sand.	SP-SM, SM	A-1	5-10	60-85	50-75	25-50	5-15	---	NP
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1190, 1191 Spasprey	0-2	Sandy loam	SM, SP-SM	A-1, A-2, A-3	0-5	90-100	85-95	40-65	5-25	15-20	NP-5
	2-12	Sandy clay loam, clay loam, loam.	SC, CL	A-6	0-5	95-100	90-100	70-95	45-70	30-40	10-20
	12-29	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
	29-46	Cemented	---	---	---	---	---	---	---	---	---
	46-60	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
1192 Spasprey	0-6	Sand	SM, SP-SM	A-1, A-2, A-3	0-5	90-100	85-95	40-65	5-25	15-20	NP-5
	6-14	Sandy clay loam, clay loam, loam.	SC, CL	A-6	0-5	95-100	90-100	70-95	45-70	30-40	10-20
	14-30	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
	30-47	Cemented	---	---	---	---	---	---	---	---	---
	47-60	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1193---------- Spasprey	0-2	Sandy loam--------	SM, SP-SM	A-1, A-2, A-3	0-5	90-100	85-95	40-65	5-25	15-20	NP-5
	2-12	Sandy clay loam, clay loam, loam.	SC, CL	A-6	0-5	95-100	90-100	70-95	45-70	30-40	10-20
	12-29	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
	29-46	Cemented---------	---	---	---	---	---	---	---	---	---
	46-60	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
1194---------- Spasprey	0-3	Stony sandy loam	SM-SC, SM, ML, CL-ML	A-4	0-5	85-95	80-90	50-75	45-60	20-30	NP-10
	3-14	Sandy clay loam, clay loam, loam.	SC, CL	A-6	0-5	95-100	90-100	70-95	45-70	30-40	10-20
	14-23	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
	23-40	Cemented---------	---	---	---	---	---	---	---	---	---
	40-60	Sandy loam, loamy sand.	SM	A-1, A-2	0-5	95-100	90-100	45-70	15-35	---	NP
1200---------- Mellor	0-11	Silt loam--------	ML, CL-ML	A-4	0	100	100	85-100	75-90	15-25	NP-10
	11-26	Silty clay loam, clay loam.	CL	A-6	0	100	100	90-100	80-95	25-40	10-20
	26-60	Silty clay loam, clay loam, silt loam.	CL	A-6	0	100	100	85-100	80-95	30-40	10-15
1210, 1211------- Linhart	0-14	Stony coarse sand	SP, SP-SM, SM	A-1	5-10	80-90	40-50	25-35	0-15	---	NP
	14-60	Stratified gravelly coarse sand to extremely gravelly loamy coarse sand.	SP, SP-SM, SM	A-1	0-5	75-90	20-50	10-35	0-15	---	NP
1220---------- Calpine	0-19	Coarse sandy loam	SM	A-2	0-5	95-100	75-100	50-70	20-35	15-25	NP-5
	19-45	Sandy loam, coarse sandy loam.	SM	A-2, A-4	0-5	100	75-100	50-70	20-40	15-25	NP-5
	45-65	Stratified loamy fine sand to coarse sand.	SP-SM, SM	A-1, A-2	0-5	100	75-100	40-70	10-25	---	NP
1240---------- Pizene	0-6	Sandy loam--------	SM	A-2, A-4	0	100	75-100	60-70	30-40	15-20	NP-5
	6-21	Sandy clay loam, sandy loam.	SC	A-6	0	100	100	70-85	35-50	30-40	10-20
	21-60	Sandy loam, fine sandy loam.	SM	A-4	0	75-100	100	70-85	35-50	15-20	NP-5
1250---------- Rednik	0-6	Very gravelly sandy loam.	GM	A-1, A-2	0-5	45-55	35-50	25-40	15-30	---	NP
	6-20	Very gravelly sandy loam, extremely gravelly loam, very gravelly sandy clay loam.	GC	A-2	5-30	35-60	30-50	20-35	15-30	25-35	10-15
	20-65	Very gravelly sandy loam, very gravelly sand, extremely gravelly loamy sand.	GP-GM, GM	A-1	5-30	35-60	30-50	15-35	5-25	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1251---------- Rednik	0-6	Very stony sandy loam.	GM	A-1, A-2	30-35	45-65	40-60	30-45	15-35	---	NP
	6-20	Very gravelly sandy loam, extremely gravelly loam, very gravelly sandy clay loam.	GC	A-2	5-30	35-60	30-50	20-35	15-30	25-35	10-15
	20-65	Very gravelly sandy loam, very gravelly sand, extremely gravelly loamy sand.	GP-GM, GM	A-1	5-30	35-60	30-50	15-35	5-25	---	NP
1260*: Thulepah--------	0-6	Very stony loam	SM	A-4	10-20	80-90	65-75	60-70	40-50	15-25	NP-5
	6-28	Gravelly clay loam, clay loam.	CL, SC	A-6, A-7	5-15	75-85	60-80	50-65	45-55	35-45	15-20
	28-60	Clay loam, gravelly clay loam, silty clay loam.	CL	A-6, A-7	5-10	70-95	65-90	65-85	55-75	35-45	15-25
Mosquet---------	0-5	Very cobbly fine sandy loam.	SM-SC, SC, GM-GC, GC	A-2	25-35	60-70	55-65	40-50	25-35	20-30	5-15
	5-14	Cobbly sandy clay, gravelly clay.	GC, SC	A-7	5-20	65-75	60-70	55-65	35-50	40-50	25-35
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1270*: Tristan---------	0-7	Very stony loam	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
Indiano---------	0-13	Gravelly loam----	GM, GM-GC, ML, CL-ML	A-4	0-5	60-80	60-75	50-70	35-60	20-30	NP-10
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Lemm----------	0-19	Very stony sandy loam.	SM	A-2	15-25	75-95	50-75	40-60	25-35	---	NP
	19-40	Very gravelly coarse sandy loam, very gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	70-90	35-50	20-30	15-25	20-35	5-15
	40-60	Very gravelly loamy coarse sand, gravelly loamy coarse sand.	SM, SP-SM	A-1	0-5	70-90	35-70	25-35	5-15	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1271*:											
Tristan---------	0-7	Very stony loam	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
Barshaad--------	0-1	Very stony loam	SM-SC, CL-ML	A-4	15-30	80-90	80-85	60-80	45-65	20-30	5-10
	1-24	Gravelly clay----	CH	A-7	0-10	60-80	60-75	55-70	50-65	50-65	25-30
	24	Weathered bedrock	---	---	---	---	---	---	---	---	---
Arzo----------	0-2	Very stony loam	CL, SC	A-6	20-30	80-85	60-70	50-70	35-60	30-35	10-15
	2-27	Clay loam, gravelly clay, clay.	CH, CL	A-7	0-10	90-95	75-90	65-90	50-80	40-55	20-30
	27-35	Gravelly loam----	SC, SM-SC, GC, GM-GC	A-2, A-6, A-4	0-10	60-80	55-75	35-60	30-50	25-35	5-15
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
1272*:											
Tristan---------	0-7	Very stony loam	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
Arzo----------	0-2	Very stony loam	CL, SC	A-6	20-30	80-85	60-70	50-70	35-60	30-35	10-15
	2-27	Clay loam, gravelly clay, clay.	CH, CL	A-7	0-10	90-95	75-90	65-90	50-80	40-55	20-30
	27-35	Gravelly loam----	SC, SM-SC, GC, GM-GC	A-2, A-6, A-4	0-10	60-80	55-75	35-60	30-50	25-35	5-15
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
Reywat----------	0-6	Extremely stony loam.	GM, SM	A-4	25-55	55-80	50-70	45-65	35-50	25-35	NP-10
	6-18	Very gravelly clay loam, very gravelly loam.	GC	A-2, A-6	10-20	40-60	35-55	35-45	25-40	30-40	10-20
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1273*:											
Tristan---------	0-7	Very stony loam	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1273*:											
Barshaad	0-1	Very stony loam	SM-SC, CL-ML	A-4	15-30	80-90	80-85	60-80	45-65	20-30	5-10
	1-24	Gravelly clay	CH	A-7	0-10	60-80	60-75	55-70	50-65	50-65	25-30
	24	Weathered bedrock	---	---	---	---	---	---	---	---	---
Frodo	0-6	Very stony loam	CL, CL-ML	A-6, A-4	25-50	85-90	70-85	60-80	50-60	25-35	5-15
	6-18	Clay loam, clay, gravelly clay loam.	CL, CH	A-7	0-5	80-95	65-90	60-90	50-80	40-65	20-35
	18-23	Cemented	---	---	---	---	---	---	---	---	---
	23-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1290 Parran	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-95	40-45	15-20
	5-60	Silty clay, clay	CL, CH	A-7	0	100	100	95-100	75-95	45-60	20-30
1300 Rose Creek Variant	0-5	Sandy loam	SM, ML	A-4	0	80-100	80-100	55-75	40-60	20-25	NP-5
	5-12	Very fine sandy loam.	SM-SC, CL-ML	A-4	0	85-100	85-100	75-95	35-55	20-30	5-10
	12-60	Stratified gravelly loamy sand to loam.	SM-SC, CL-ML	A-4	0	70-100	70-100	60-90	40-60	20-30	5-10
1301 Rose Creek Variant	0-5	Loamy fine sand	SM	A-2, A-4	0	90-100	90-100	80-95	25-40	---	NP
	5-12	Very fine sandy loam.	SM-SC, CL-ML	A-4	0	85-100	85-100	75-95	35-55	20-30	5-10
	12-60	Stratified gravelly loamy sand to loam.	SM-SC, CL-ML	A-4	0	70-100	70-100	60-90	40-60	20-30	5-10
1310 Bango	0-2	Gravelly sandy loam.	SM	A-1, A-2	0-5	75-85	70-80	40-60	20-35	---	NP
	2-10	Loam, clay loam	CL	A-6	0-5	90-100	90-100	75-90	55-75	30-35	10-15
	10-60	Stratified gravelly fine sandy loam to silt loam.	CL	A-6	0-5	85-95	85-95	70-90	55-75	25-35	10-15
1320*:											
Osobb	0-2	Extremely stony fine sandy loam.	GP-GM, GM, GM-GC	A-1, A-2	50-70	35-55	30-50	20-40	5-25	20-30	NP-10
	2-11	Very cobbly very fine sandy loam, extremely cobbly fine sandy loam, very gravelly loam.	GP-GM, GM, GM-GC	A-1, A-2	45-55	25-60	20-50	15-35	5-20	20-30	NP-10
	11-13	Indurated	---	---	---	---	---	---	---	---	---
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rezave	0-4	Extremely stony very fine sandy loam.	SM	A-4	35-45	90-100	85-95	60-80	35-50	20-25	NP-5
	4-13	Clay, clay loam, stony clay.	CL, CH	A-7	5-30	90-100	90-100	80-100	65-95	40-60	15-35
	13-19	Very gravelly clay, gravelly clay loam.	SC, CL	A-7	5-10	80-90	50-70	50-70	35-60	40-50	15-25
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1320*:											
Fireball--------	0-3	Extremely stony fine sandy loam.	SM-SC	A-2, A-4	40-50	80-90	70-80	50-70	30-45	20-25	5-10
	3-24	Very cobbly loam, very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	25-40	60-70	50-60	40-60	30-50	25-40	10-20
	24-47	Extremely cobbly loam, very gravelly silt loam.	GM-GC	A-2, A-4	45-55	60-70	40-50	35-50	25-40	20-25	5-10
	47	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1330*:											
Sutcliff--------	0-5	Very stony loam	GC, SC	A-2, A-6	40-50	60-70	40-60	35-55	25-50	25-35	10-15
	5-25	Very cobbly clay loam, very stony clay loam.	CL	A-6	40-50	85-95	75-85	60-85	50-70	35-40	15-20
	25-42	Very cobbly loam	SC	A-6	35-45	70-80	55-65	45-60	35-50	25-35	10-15
	42-53	Cemented---------	---	---	---	---	---	---	---	---	---
Kleinbush-------	0-5	Very cobbly loamy sand.	SM	A-2	50-60	85-95	80-90	50-70	10-25	---	NP
	5-38	Clay loam, clay	CL, CH	A-7	0	90-100	90-100	80-100	65-95	40-65	20-35
	38-60	Cobbly sandy clay loam, very gravelly sandy loam, cobbly sandy loam.	SC, SM-SC	A-2, A-4, A-6	10-15	90-100	55-80	35-65	15-40	25-40	5-15
Washoe----------	0-11	Extremely stony fine sandy loam.	SM	A-1, A-2	45-55	75-85	50-60	40-55	15-30	---	NP
	11-42	Very gravelly sandy clay loam, very gravelly sandy loam.	GC	A-2, A-6	5-20	55-70	45-55	40-50	20-40	25-35	10-15
	42-60	Stratified gravelly loamy coarse sand to very cobbly loamy coarse sand.	GP-GM, GM, SP-SM, SM	A-1	10-50	50-80	50-75	20-40	5-20	---	NP
1331*:											
Sutcliff--------	0-5	Very stony loam	GC, SC	A-2, A-6	40-50	60-70	40-60	35-55	25-50	25-35	10-15
	5-25	Very cobbly clay loam, very stony clay loam.	CL	A-6	40-50	85-95	75-85	60-85	50-70	35-40	15-20
	25-42	Very cobbly loam	SC	A-6	35-45	70-80	55-65	45-60	35-50	25-35	10-15
	42-53	Cemented---------	---	---	---	---	---	---	---	---	---
Bundorf---------	0-2	Very stony loam	GM-GC, GC	A-2	20-30	50-60	40-55	30-40	25-35	20-35	5-15
	2-10	Clay loam, clay	CL, CH	A-7	0	90-100	90-100	85-95	65-85	45-60	20-35
	10-19	Very cobbly loam, very gravelly clay loam.	GC	A-2	10-30	50-60	35-45	30-40	25-35	45-60	20-35
	19-27	Indurated--------	---	---	---	---	---	---	---	---	---
Kleinbush-------	0-5	Very cobbly loamy sand.	SM	A-2	50-60	85-95	80-90	50-70	10-25	---	NP
	5-38	Clay loam, clay	CL, CH	A-7	0	90-100	90-100	80-100	65-95	40-65	20-35
	38-60	Cobbly sandy clay loam, very gravelly sandy loam, cobbly sandy loam.	SC, SM-SC	A-2, A-4, A-6	10-15	90-100	55-80	35-65	15-40	25-40	5-15

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1340*:											
Hawsley	0-8	Sand	SM, SP-SM	A-2, A-3	0	100	90-100	75-90	5-25	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Sand, fine sand	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
Ruhe	0-6	Gravelly loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-75	30-50	5-25	---	NP
	6-14	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	14-35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	35-60	Stratified very cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP
Bluewing	0-9	Very stony loamy sand.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	9-60	Stratified extremely gravelly sand to very gravelly loamy coarse sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP
1341*:											
Isolde	0-6	Fine sand	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	6-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	60-85	0-10	---	NP
Dune land.											
1342*:											
Isolde	0-6	Fine sand	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	6-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	60-85	0-10	---	NP
Playas.											
1344*:											
Isolde	0-6	Fine sand	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	6-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	60-85	0-10	---	NP
Toulon	0-6	Very gravelly loam.	GM, SM	A-1, A-2	0-10	55-70	40-50	30-45	20-35	---	NP
	6-13	Very gravelly sandy loam, very gravelly loam, very gravelly coarse sandy loam.	GM, GP-GM	A-1, A-2	0-5	40-60	25-40	15-35	5-30	---	NP
	13-60	Stratified gravelly coarse sand to very cobbly coarse sand.	GP, GW, GP-GM, GW-GM	A-1	25-50	40-50	25-40	5-20	0-10	---	NP
1345 Hawsley	0-8	Sand	SM, SP-SM	A-2, A-3	0	100	90-100	75-90	5-25	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Sand, fine sand	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1350*:											
Stumble	0-2	Loamy sand	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	2-24	Loamy sand, loamy fine sand.	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	24-60	Gravelly loamy sand, gravelly loamy fine sand.	SM	A-1	0-10	75-85	50-70	40-50	15-25	---	NP
Ruhe	0-6	Gravelly loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-75	30-50	5-25	---	NP
	6-14	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	14-35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	35-60	Stratified very cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP
Bluewing	0-9	Very stony loamy sand.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	9-54	Stratified extremely gravelly sand to very gravelly loamy coarse sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP
1351 Stumble	0-6	Loamy sand	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	6-29	Loamy sand, loamy fine sand.	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	29-50	Gravelly loamy sand, gravelly loamy fine sand.	SM	A-1	0-10	75-85	50-70	40-50	15-25	---	NP
1360*:											
Trocken	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GP-GM, GM-GC	A-2	5-20	20-60	15-50	10-35	5-25	20-30	5-10
Stumble	0-2	Loamy sand	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	2-24	Loamy sand, loamy fine sand.	SM	A-2	0-5	85-100	85-100	55-75	15-25	---	NP
	24-60	Gravelly loamy sand, gravelly loamy fine sand.	SM	A-1	0-10	75-85	50-70	40-50	15-25	---	NP
Bluewing	0-9	Very stony loamy sand.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	9-54	Stratified extremely gravelly sand to very gravelly loamy coarse sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1361*:											
Trocken---------	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GP-GM, GM-GC	A-2	5-20	20-60	15-50	10-35	5-25	20-30	5-10
Ruhe----------	0-6	Very stony loamy sand.	SM	A-1, A-2	20-30	80-100	70-100	30-60	10-35	---	NP
	6-14	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	14-35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	35-60	Stratified very cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP
Bluewing--------	0-9	Very stony loamy sand.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	9-54	Stratified extremely gravelly sand to very gravelly loamy coarse sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP
1362*:											
Trocken---------	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GP-GM, GM-GC	A-2	5-20	20-60	15-50	10-35	5-25	20-30	5-10
Badland.											
1363---------- Trocken	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GP-GM, GM-GC	A-2	5-20	20-60	15-50	10-35	5-25	20-30	5-10
1364*:											
Trocken---------	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GP-GM, GM-GC	A-2	5-20	20-60	15-50	10-35	5-25	20-30	5-10

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1364*:											
Wrango----------	0-8	Gravelly loamy sand.	SM	A-1	0-5	60-80	55-75	15-40	10-25	---	NP
	8-60	Extremely gravelly loamy coarse sand, extremely gravelly sand, extremely gravelly loamy sand.	GP, GP-GM, GM	A-1	5-40	25-40	15-30	5-20	0-15	---	NP
1370*:											
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Fireball--------	0-3	Extremely stony fine sandy loam.	SM-SC	A-2, A-4	40-50	80-90	70-80	50-70	30-45	20-25	5-10
	3-24	Very cobbly loam, very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	25-40	60-70	50-60	40-60	30-50	25-40	10-20
	24-47	Extremely cobbly loam, very gravelly silt loam.	GM-GC	A-2, A-4	45-55	60-70	40-50	35-50	25-40	20-25	5-10
	47	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rednik----------	0-6	Very stony sandy loam.	GM	A-1, A-2	30-35	45-65	40-60	30-45	15-35	---	NP
	6-20	Very gravelly sandy loam, extremely gravelly loam, very gravelly sandy clay loam.	GC	A-2	5-30	35-60	30-50	20-35	15-30	25-35	10-15
	20-65	Very gravelly sandy loam, very gravelly sand, extremely gravelly loamy sand.	GP-GM, GM	A-1	5-30	35-60	30-50	15-35	5-25	---	NP
1371*:											
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Flex----------	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	40-65	40-50	30-40	15-25	15-25	NP-5
	3-10	Very gravelly sandy clay loam, very gravelly sandy loam.	GM-GC, GC	A-2	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1371*:											
Acrelane--------	0-6	Very stony sandy loam.	SM	A-1, A-2	25-40	90-100	60-75	35-50	15-30	---	NP
	6-10	Very gravelly sandy clay loam, very gravelly coarse sandy loam.	SC, SM-SC	A-2	0-5	80-100	30-50	30-45	15-30	20-30	5-15
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
1372*:											
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Isolde----------	0-6	Fine sand--------	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	6-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	60-85	0-10	---	NP
1373*:											
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Mizel----------	0-3	Very gravelly coarse sandy loam.	GM	A-1	5-10	40-60	30-40	15-30	10-25	---	NP
	3-7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Stingdorn-------	0-4	Extremely stony loam.	GC	A-2	25-50	35-50	30-40	25-40	20-30	25-35	10-15
	4-9	Very gravelly clay loam.	SC, GC	A-2	0-15	60-80	30-40	30-40	25-35	35-40	15-20
	9-12	Very gravelly sandy loam, extremely gravelly sandy loam.	GP-GM, SP-SM, GM, SM	A-1	0-15	50-75	25-50	10-40	5-15	---	NP
	12-13	Indurated--------	---	---	---	---	---	---	---	---	---
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1374*:											
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1374*:											
Fireball--------	0-3	Extremely stony fine sandy loam.	SM-SC	A-2, A-4	40-50	80-90	70-80	50-70	30-45	20-25	5-10
	3-24	Very cobbly loam, very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	25-40	60-70	50-60	40-60	30-50	25-40	10-20
	24-47	Extremely cobbly loam, very gravelly silt loam.	GM-GC	A-2, A-4	45-55	60-70	40-50	35-50	25-40	20-25	5-10
	47	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Osobb----------	0-2	Extremely stony fine sandy loam.	GP-GM, GM, GM-GC	A-1, A-2	50-70	35-55	30-50	20-40	5-25	20-30	NP-10
	2-11	Very cobbly very fine sandy loam, extremely cobbly fine sandy loam, very gravelly loam.	GP-GM, GM, GM-GC	A-1, A-2	45-55	25-60	20-50	15-35	5-20	20-30	NP-10
	11-13	Indurated--------	---	---	---	---	---	---	---	---	---
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1380*:											
Stingdorn-------	0-4	Extremely stony loam.	GC	A-2	25-50	35-50	30-40	25-40	20-30	25-35	10-15
	4-9	Very gravelly clay loam.	SC, GC	A-2	0-15	60-80	30-40	30-40	25-35	35-40	15-20
	9-12	Very gravelly sandy loam, extremely gravelly sandy loam.	GP-GM, SP-SM, GM, SM	A-1	0-15	50-75	25-50	10-40	5-15	---	NP
	12-13	Indurated--------	---	---	---	---	---	---	---	---	---
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Singatse--------	0-2	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	2-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	10-30	60-70	30-50	20-30	10-30	15-25	NP-5
	6-12	Weathered bedrock.	---	---	---	---	---	---	---	---	---
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1390*:											
Pirouette-------	0-3	Very stony very fine sandy loam.	SM, SM-SC	A-4	35-50	65-80	65-75	55-70	35-50	20-30	NP-10
	3-10	Very cobbly clay loam.	SC, CL, GC	A-6, A-7	30-40	55-75	50-65	40-60	35-55	35-45	15-20
	10-15	Very cobbly sandy loam.	GM	A-1	40-50	40-55	35-50	25-40	10-25	---	NP
	15-16	Indurated--------	---	---	---	---	---	---	---	---	---
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1390*:											
Osobb----------	0-4	Very stony very fine sandy loam.	SM, SM-SC, GM, GM-GC	A-1, A-2, A-4	30-50	60-80	50-70	45-65	15-40	20-30	NP-10
	4-17	Very cobbly very fine sandy loam, extremely cobbly fine sandy loam, very cobbly loam.	GP-GM, GM, GM-GC	A-1, A-2	45-55	25-60	20-50	15-35	5-20	20-30	NP-10
	17-18	Indurated--------	---	---	---	---	---	---	---	---	---
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1400*:											
Softscrabble----	0-9	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	9-30	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	30-78	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	78-89	Weathered bedrock	---	---	---	---	---	---	---	---	---
Gabica----------	0-14	Very cobbly sandy loam.	GM, SM	A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	14-19	Very gravelly clay loam, very gravelly silty clay loam, very stony clay loam.	GC	A-2, A-6	10-50	45-60	25-50	25-50	20-40	25-35	10-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Burnborough-----	0-17	Stony loam-------	CL, CL-ML	A-4, A-6	5-15	85-95	70-85	60-75	50-60	20-35	5-15
	17-60	Very gravelly loam, very gravelly clay loam.	GC, SC	A-2	15-25	55-65	25-55	20-35	15-30	25-40	10-20
1401*:											
Softscrabble----	0-9	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	9-30	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	30-78	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	78-89	Weathered bedrock	---	---	---	---	---	---	---	---	---
Gabica----------	0-14	Very cobbly sandy loam.	GM, SM	A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	14-19	Very gravelly clay loam, very gravelly silty clay loam, very stony clay loam.	GC	A-2, A-6	10-50	45-60	25-50	25-50	20-40	25-35	10-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1401*:											
Sumine----------	0-6	Very stony loam	SM-SC	A-4	10-20	70-85	60-75	50-65	35-50	25-30	5-10
	6-34	Very gravelly clay loam, very cobbly clay loam, very gravelly loam.	GC	A-2, A-6	15-40	45-70	35-65	30-50	30-45	30-40	10-20
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1410*:											
Burnborough-----	0-17	Very gravelly loam.	SC, SM-SC	A-2	5-10	65-75	40-55	30-45	25-35	20-35	5-15
	17-60	Very gravelly loam, very gravelly clay loam.	GC, SC	A-2	15-25	55-65	25-55	20-35	15-30	25-40	10-20
Ticino----------	0-11	Gravelly fine sandy loam.	SM	A-4	0-15	80-95	60-80	50-70	35-50	15-25	NP-5
	11-22	Gravelly loam, gravelly clay loam, gravelly sandy clay loam.	SC	A-6	0-15	80-95	60-80	50-70	35-50	25-40	10-20
	22	Weathered bedrock	---	---	---	---	---	---	---	---	---
Gabica----------	0-14	Very cobbly sandy loam.	GM, SM	A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	14-19	Very gravelly clay loam, very gravelly silty clay loam, very stony clay loam.	GC	A-2, A-6	10-50	45-60	25-50	25-50	20-40	25-35	10-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1411*:											
Burnborough-----	0-17	Very gravelly loam.	SC, SM-SC	A-2	5-10	65-75	40-55	30-45	25-35	20-35	5-15
	17-60	Very gravelly loam, very gravelly clay loam.	GC, SC	A-2	15-25	55-65	25-55	20-35	15-30	25-40	10-20
Ticino----------	0-11	Gravelly fine sandy loam.	SM	A-4	0-15	80-95	60-80	50-70	35-50	15-25	NP-5
	11-22	Gravelly loam, gravelly clay loam, gravelly sandy clay loam.	SC	A-6	0-15	80-95	60-80	50-70	35-50	25-40	10-20
	22	Weathered bedrock	---	---	---	---	---	---	---	---	---
Softscrabble----	0-9	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	9-30	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	30-78	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	78-89	Weathered bedrock	---	---	---	---	---	---	---	---	---
1420*:											
Barshaad--------	0-1	Very stony loam	SM-SC, CL-ML	A-4	15-30	80-90	80-85	60-80	45-65	20-30	5-10
	1-24	Gravelly clay----	CH	A-7	0-10	60-80	60-75	55-70	50-65	50-65	25-30
	24	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1420*:											
Fugawee----------	0-9	Stony sandy loam	SM, GM	A-2	5-15	60-80	55-75	50-60	25-35	---	NP
	9-17	Gravelly loam, loam.	SM, GM	A-2, A-4	0-10	60-90	55-80	50-70	30-50	25-40	NP-10
	17-37	Gravelly clay loam, clay loam.	SM, GM, ML	A-6, A-7	0-5	60-90	55-80	50-75	35-55	35-45	10-15
	37	Weathered bedrock	---	---	---	---	---	---	---	---	---
Duckhill Variant	0-8	Very stony sandy loam.	SM-SC	A-2	20-30	85-95	75-85	45-60	25-35	20-30	5-10
	8-13	Very cobbly clay loam, very cobbly loam.	GC	A-6	40-50	55-65	45-55	40-50	35-45	30-40	10-15
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1430*:											
Fraval----------	0-9	Very stony loam	CL-ML	A-4	45-55	80-95	80-90	65-85	50-70	20-30	5-10
	9-27	Very gravelly loam, very gravelly clay loam, very cobbly loam.	SC, GC	A-6	20-30	60-90	55-75	45-65	35-50	30-40	10-20
	27-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Booford---------	0-8	Very stony loam	ML, CL-ML	A-4	25-40	80-95	75-90	60-75	50-65	20-30	NP-10
	8-25	Clay, silty clay, gravelly clay.	CH, GC	A-7	0-15	65-100	60-100	50-100	40-95	55-65	30-40
	25-45	Weathered bedrock	---	---	---	---	---	---	---	---	---
Jumbo----------	0-21	Very stony loam	SM-SC, CL-ML	A-4	15-30	70-90	70-80	60-75	40-60	25-30	5-10
	21-54	Very cobbly loam, very cobbly clay loam.	SC, CL, GC	A-6	40-60	65-85	50-85	40-75	35-60	30-40	10-15
	54-70	Weathered bedrock	---	---	---	---	---	---	---	---	---
1431*:											
Fraval----------	0-9	Very stony loam	CL-ML	A-4	45-55	80-95	80-90	65-85	50-70	20-30	5-10
	9-27	Very gravelly loam, very gravelly clay loam, very cobbly loam.	SC, GC	A-6	20-30	60-90	55-75	45-65	35-50	30-40	10-20
	27-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Hirschdale-------	0-6	Very stony loam	CL, SC	A-6	25-35	80-90	70-80	45-65	40-55	25-35	10-15
	6-39	Gravelly clay loam, clay.	CL, CH	A-7	0-15	65-95	60-90	55-85	50-80	40-65	15-40
	39	Weathered bedrock	---	---	---	---	---	---	---	---	---
Duckhill Variant	0-8	Very stony sandy loam.	SM-SC	A-2	20-30	85-95	75-85	45-60	25-35	20-30	5-10
	8-13	Very cobbly clay loam, very cobbly loam.	GC	A-6	40-50	55-65	45-55	40-50	35-45	30-40	10-15
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1432*:											
Fraval----------	0-9	Very stony loam	CL-ML	A-4	45-55	80-95	80-90	65-85	50-70	20-30	5-10
	9-27	Very gravelly loam, very gravelly clay loam, very cobbly loam.	SC, GC	A-6	20-30	60-90	55-75	45-65	35-50	30-40	10-20
	27-40	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1432*:											
Hirschdale------	0-6	Very stony loam	CL, SC	A-6	25-35	80-90	70-80	45-65	40-55	25-35	10-15
	6-39	Gravelly clay loam, clay.	CL, CH	A-7	0-15	65-95	60-90	55-85	50-80	40-65	15-40
	39	Weathered bedrock	---	---	---	---	---	---	---	---	---
Jumbo----------	0-21	Very stony loam	SM-SC, CL-ML	A-4	15-30	70-90	70-80	60-75	40-60	25-30	5-10
	21-54	Very cobbly loam, very cobbly clay loam.	SC, CL, GC	A-6	40-60	65-85	50-85	40-75	35-60	30-40	10-15
	54-70	Weathered bedrock	---	---	---	---	---	---	---	---	---
1440---------- Tallac	0-26	Very bouldery sandy loam.	GM, SM	A-1	25-50	55-80	50-75	30-45	15-25	---	NP
	26-45	Very stony sandy loam, very stony loam.	GM, SM	A-1	30-55	50-70	45-65	15-35	10-25	---	NP
	45-60	Very bouldery loamy sand.	GM, SM	A-1	30-55	50-70	45-65	15-35	10-25	---	NP
1441---------- Tallac	0-26	Stony sandy loam	GM, SM	A-1, A-2	10-25	55-80	50-75	30-45	15-35	---	NP
	26-45	Very stony coarse sandy loam, very stony loam.	GM, SM	A-1	30-55	50-70	45-65	15-35	10-35	---	NP
	45-60	Very bouldery loamy sand.	GM, SM	A-1, A-2	30-55	50-70	45-65	15-35	10-25	---	NP
1450*:											
Meiss----------	0-7	Very cobbly sandy loam.	SM, SM-SC	A-4	30-50	75-90	60-75	40-55	35-50	15-25	NP-10
	7-20	Gravelly sandy loam, gravelly loam.	SM, GM	A-2, A-4	5-15	60-85	55-80	40-65	30-50	20-30	NP-5
	20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Sibelia---------	0-6	Very stony sandy loam.	SM, SM-SC	A-1, A-2	25-45	75-80	55-60	35-50	15-35	15-25	NP-10
	6-20	Very gravelly sandy loam.	GM, GM-GC, SM, SM-SC	A-1, A-2	10-25	45-65	35-55	25-35	10-30	15-25	NP-10
	20-47	Very cobbly sandy loam, extremely gravelly sandy loam.	GM, GM-GC	A-1, A-2	45-55	40-60	30-55	20-35	10-30	15-25	NP-10
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1460*:											
Jorge----------	0-9	Very stony sandy loam.	GM, SM	A-1, A-2	5-25	45-85	40-75	25-55	10-30	---	NP
	9-24	Very stony loam, very gravelly loam.	GM	A-1	20-50	45-55	40-50	25-35	10-20	---	NP
	24-52	Very gravelly loam, very gravelly clay loam, extremely gravelly loam.	GM, GM-GC	A-2	5-20	30-60	15-50	10-45	5-35	25-45	5-15
	52-65	Very gravelly sandy loam.	GM	A-1	5-10	30-60	25-50	20-45	10-20	---	NP
	65	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1460*:											
Boomtown--------	0-17	Very stony sandy loam.	SM-SC	A-2, A-4	10-25	70-90	65-80	40-65	30-50	20-30	5-10
	17-22	Gravelly loam, very gravelly loam.	SM-SC, CL-ML, GM-GC	A-2, A-4	0-5	40-80	35-75	30-65	25-55	20-30	5-10
	22-53	Clay loam, clay, gravelly clay.	CL, CH, GC	A-7	0-5	60-100	50-95	45-90	40-80	45-55	20-30
	53-61	Clay loam--------	ML, CL	A-6, A-7	0-10	75-100	75-100	65-85	50-75	35-45	10-20
Fugawee---------	0-5	Very stony sandy loam.	SM, GM	A-2	10-30	60-80	55-75	50-60	25-35	---	NP
	5-17	Gravelly loam, loam, gravelly sandy loam.	SM, GM	A-2, A-4	0-10	60-90	55-80	50-70	30-50	25-40	NP-10
	17-29	Gravelly clay loam, clay loam, cobbly loam.	SM, GM, ML	A-6, A-7	0-25	60-90	55-80	50-75	35-55	35-45	10-15
	29	Weathered bedrock	---	---	---	---	---	---	---	---	---
1470*:											
Carioca---------	0-7	Stony sandy loam	SM, GM	A-1	5-10	55-65	35-45	20-30	10-20	---	NP
	7-30	Very gravelly sandy loam.	GM	A-1	10-20	45-55	30-50	20-30	10-20	---	NP
	30-56	Very gravelly loam, very gravelly clay loam, extremely gravelly loam.	GC, GM-GC	A-2	15-40	40-60	30-55	25-45	15-35	25-35	5-15
	56-65	Gravelly loam----	GC, GM-GC	A-6, A-4	0-5	60-70	50-60	45-55	35-45	25-40	5-15
	65	Weathered bedrock	---	---	---	---	---	---	---	---	---
Sibelia Variant-	0-21	Stony loam-------	SM, SM-SC, GM-GC	A-4	5-20	65-75	60-70	55-65	35-50	15-25	NP-10
	21-60	Very cobbly loam, very cobbly sandy loam.	GM, GM-GC	A-4	30-50	60-70	50-60	45-55	35-45	15-25	NP-10
Fugawee---------	0-9	Very stony sandy loam.	SM, GM	A-2	10-30	60-80	55-75	50-60	25-35	---	NP
	9-17	Gravelly loam, loam.	SM, GM	A-2, A-4	0-10	60-90	55-80	50-70	30-50	25-40	NP-10
	17-37	Gravelly clay loam, clay loam.	SM, GM, ML	A-6, A-7	0-5	60-90	55-80	50-75	35-55	35-45	10-15
	37	Weathered bedrock	---	---	---	---	---	---	---	---	---
1480*:											
Macareeno-------	0-11	Loam----------	CL, CL-ML, SC, SM-SC	A-4, A-6	0-10	85-95	80-90	60-80	45-55	20-35	5-15
	11-41	Gravelly clay loam.	SC, CL	A-6	0-15	70-90	55-75	50-75	40-60	35-40	15-20
	41-54	Very cobbly loam	SC	A-6, A-2	25-35	75-85	50-70	40-65	30-50	25-35	10-15
Blackwell-------	0-11	Sandy loam-------	SM	A-2	0	90-100	90-100	55-70	25-35	---	NP
	11-60	Stratified clay loam to gravelly coarse sand.	CL-ML, CL, SC, SM-SC	A-4, A-6	0	80-100	75-100	55-80	45-65	25-35	5-15
Carioca---------	0-7	Stony sandy loam	SM, GM	A-1	5-10	55-65	35-45	20-30	10-20	---	NP
	7-30	Very gravelly sandy loam.	GM	A-1	10-20	45-55	30-50	20-30	10-20	---	NP
	30-56	Very gravelly loam, very gravelly clay loam, extremely gravelly loam.	GC, GM-GC	A-2	15-40	40-60	30-55	25-45	15-35	25-35	5-15
	56-65	Gravelly loam----	GC, GM-GC	A-6, A-4	0-5	60-70	50-60	45-55	35-45	25-40	5-15
	65	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag-ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct					Pct	
1490*:											
Arzo	0-2	Very stony loam	CL, SC	A-6	20-30	80-85	60-70	50-70	35-60	30-35	10-15
	2-27	Clay loam, gravelly clay, clay.	CH, CL	A-7	0-10	90-95	75-90	65-90	50-80	40-55	20-30
	27-35	Gravelly loam	SC, SM-SC, GC, GM-GC	A-2, A-6, A-4	0-10	60-80	55-75	35-60	30-50	25-35	5-15
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
Indiano	0-13	Stony sandy loam	SM	A-1, A-2	20-25	70-85	65-80	40-65	20-35	---	NP
	13-33	Clay loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Barnard	0-15	Stony sandy loam	SM, SM-SC	A-2, A-4	10-25	85-95	80-90	50-80	25-50	15-30	NP-10
	15-26	Clay, silty clay	CH	A-7	0-10	85-95	80-90	70-90	60-85	50-60	30-40
	26	Indurated	---	---	---	---	---	---	---	---	---
1510*:											
Cagle	0-2	Very stony clay loam.	CL	A-6, A-7	25-35	85-95	80-90	75-85	55-65	35-45	15-25
	2-16	Gravelly clay	CL, CH	A-7	0-5	65-75	65-70	60-70	50-60	45-55	20-30
	16-39	Very gravelly clay, very cobbly clay loam, extremely gravelly clay.	GC	A-2	5-35	30-55	20-55	20-50	15-35	45-55	20-30
	39	Weathered bedrock	---	---	---	---	---	---	---	---	---
Nosrac	0-14	Stony clay loam	GC	A-6	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	14-38	Very gravelly clay loam, very gravelly loam.	GC	A-2	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	38-60	Very gravelly loam, very gravelly fine sandy loam, very gravelly clay loam.	GC	A-2, A-6	10-25	35-55	30-50	25-45	20-40	30-35	10-15
Old Camp	0-2	Extremely stony sandy loam.	SM	A-1	25-55	60-70	55-65	35-45	15-25	15-25	NP-5
	2-14	Very cobbly clay loam, very stony sandy clay loam, very stony loam.	GC, SC	A-2, A-6	35-50	65-70	55-65	45-55	30-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1520*:											
Duco	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Smallcone	0-6	Very gravelly coarse sandy loam.	GP-GM, GM, SP-SM, SM	A-1	0-10	40-75	15-50	10-30	5-25	20-30	NP-5
	6	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1520*:											
Cagle----------	0-2	Very stony clay loam.	CL	A-6, A-7	25-35	85-95	80-90	75-85	55-65	35-45	15-25
	2-16	Gravelly clay----	CL, CH	A-7	0-5	65-75	65-70	60-70	50-60	45-55	20-30
	16-39	Very gravelly clay, very cobbly clay loam, extremely gravelly clay.	GC	A-2	5-35	30-55	20-55	20-50	15-35	45-55	20-30
	39	Weathered bedrock	---	---	---	---	---	---	---	---	---
1521*:											
Duco----------	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Yuko----------	0-2	Very stony loam	CL, CL-ML	A-6, A-4	10-15	80-95	80-90	70-85	55-75	25-40	5-15
	2-8	Silty clay loam, clay loam.	CL	A-6, A-7	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	8	Weathered bedrock	---	---	---	---	---	---	---	---	---
Lemm----------	0-19	Very stony sandy loam.	SM	A-2	15-25	75-95	50-75	40-60	25-35	---	NP
	19-40	Very gravelly coarse sandy loam, very gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	70-90	35-50	20-30	15-25	20-35	5-15
	40-60	Very gravelly loamy coarse sand, gravelly loamy coarse sand.	SM, SP-SM	A-1	0-5	70-90	35-70	25-35	5-15	---	NP
1522*:											
Duco----------	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Pahrange---------	0-11	Very stony sandy loam.	SM-SC	A-2, A-4	30-35	75-90	50-80	35-65	15-40	20-25	5-10
	11-26	Gravelly clay loam, cobbly clay loam.	CL, SC	A-6	10-30	80-90	60-85	50-80	40-65	35-40	15-20
	26	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1522*:											
Lemm----------	0-19	Very stony sandy loam.	SM	A-2	15-25	75-95	50-75	40-60	25-35	---	NP
	19-40	Very gravelly coarse sandy loam, very gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	70-90	35-50	20-30	15-25	20-35	5-15
	40-60	Very gravelly loamy coarse sand, gravelly loamy coarse sand.	SM, SP-SM	A-1	0-5	70-90	35-70	25-35	5-15	---	NP
1530*:											
Bombadil--------	0-4	Very stony sandy loam.	SM	A-2	20-30	70-90	65-85	50-65	25-35	15-25	NP-5
	4-13	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	70-90	65-85	50-70	25-35	5-15
	13-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hefed----------	0-2	Very stony sandy loam.	SM-SC	A-2	30-45	80-85	60-70	40-55	20-35	20-30	5-10
	2-13	Very gravelly sandy loam, very gravelly loam.	GC	A-2	5-10	50-65	35-55	25-50	10-35	25-35	10-15
	13-75	Stratified very gravelly loamy sand to very cobbly sandy loam.	SM	A-1, A-2	15-40	75-85	50-75	30-60	15-35	---	NP
Rubble land.											
1531*:											
Bombadil--------	0-4	Very stony sandy loam.	SM	A-2	20-30	70-90	65-85	50-65	25-35	15-25	NP-5
	4-13	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	70-90	65-85	50-70	25-35	5-15
	13-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hefed----------	0-2	Very stony sandy loam.	SM-SC	A-2	30-45	80-85	60-70	40-55	20-35	20-30	5-10
	2-13	Very gravelly sandy loam, very gravelly loam.	GC	A-2	5-10	50-65	35-55	25-50	10-35	25-35	10-15
	13-75	Stratified very gravelly loamy sand to very cobbly sandy loam.	SM	A-1, A-2	15-40	75-85	50-75	30-60	15-35	---	NP
Fireball--------	0-3	Extremely stony fine sandy loam.	SM-SC	A-2, A-4	40-50	80-90	70-80	50-70	30-45	20-25	5-10
	3-24	Very cobbly loam, very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	25-40	60-70	50-60	40-60	30-50	25-40	10-20
	24-47	Very cobbly loam, very gravelly silt loam.	GM-GC	A-2, A-4	45-55	60-70	40-50	35-50	25-40	20-25	5-10
	47	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Frag- ments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas- ticity index
	In				Pct					Pct	
1540*:											
McQuarrie--------	0-1	Very stony sandy loam.	SM, SM-SC	A-2	25-50	80-100	70-95	50-65	30-35	10-20	NP-10
	1-8	Sandy clay loam, clay loam.	SC, SM-SC, CL, CL-ML	A-2, A-4, A-6	0-15	85-95	80-90	65-80	30-65	20-35	5-15
	8-18	Clay loam, loam, cobbly clay loam.	CL, CL-ML	A-4, A-6	0-15	85-95	80-90	65-80	50-65	20-35	5-15
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tristan----------	0-7	Very stony loam.	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
Arzo----------	0-2	Very stony loam	CL, SC	A-6	20-30	80-85	60-70	50-70	35-60	30-35	10-15
	2-27	Clay loam, gravelly clay, clay.	CH, CL	A-7	0-10	90-95	75-90	65-90	50-80	40-55	20-30
	27-35	Gravelly loam----	SC, SM-SC, GC, GM-GC	A-2, A-6, A-4	0-10	60-80	55-75	35-60	30-50	25-35	5-15
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
1541*:											
McQuarrie--------	0-3	Very stony sandy loam.	SM, SM-SC	A-2	25-50	80-100	70-95	50-65	30-35	10-20	NP-10
	3-9	Sandy clay loam, clay loam.	SC, SM-SC, CL, CL-ML	A-2, A-4, A-6	0-5	85-95	80-90	65-80	30-65	20-35	5-15
	9-13	Clay loam, loam, cobbly clay loam.	CL, CL-ML	A-4, A-6	0-15	85-95	80-90	65-80	50-65	20-35	5-15
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Duco----------	0-5	Very stony sandy loam.	SM-SC, GM-GC	A-2	25-35	55-80	50-75	35-60	15-35	20-30	5-10
	5-19	Very gravelly clay loam, extremely stony clay loam, very cobbly clay loam.	GC	A-2	15-55	35-50	30-40	20-35	15-30	35-40	15-20
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tristan----------	0-7	Very stony loam.	GM-GC	A-2, A-4	30-50	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very stony loam, very cobbly clay loam, very gravelly clay loam.	GC, SC, CL	A-2, A-6	30-50	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely cobbly loam, extremely cobbly sandy clay loam.	GC	A-2	55-75	40-50	35-45	15-40	10-35	25-35	10-15
	49	Weathered bedrock	---	---	---	---	---	---	---	---	---
1550*:											
Skedaddle--------	0-8	Very stony loam	GC, SC	A-2, A-6	30-50	60-80	50-70	40-60	30-45	25-35	10-15
	8-11	Weathered bedrock	---	---	---	---	---	---	---	---	---
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1550*:											
Pahrange	0-11	Very stony sandy loam.	SM-SC	A-2, A-4	30-35	75-90	50-80	35-65	15-40	20-25	5-10
	11-26	Gravelly clay loam, cobbly clay loam.	CL, SC	A-6	10-30	80-90	60-85	50-80	40-65	35-40	15-20
	26	Weathered bedrock	---	---	---	---	---	---	---	---	---
Lemm	0-19	Very stony sandy loam.	SM	A-2	15-25	75-95	50-75	40-60	25-35	---	NP
	19-40	Very gravelly coarse sandy loam, very gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	70-90	35-50	20-30	15-25	20-35	5-15
	40-60	Very gravelly loamy coarse sand, gravelly loamy coarse sand.	SM, SP-SM	A-1	0-5	70-90	35-70	25-35	5-15	---	NP
1570*:											
Bluewing	0-7	Very stony loamy sand.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified extremely gravelly sand to very gravelly loamy coarse sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP
Biddleman	0-3	Gravelly sandy loam.	SM	A-1, A-2	5-10	70-80	60-70	40-55	20-35	---	NP
	3-8	Gravelly clay loam, gravelly loam, gravelly sandy clay loam.	SC, GC	A-2, A-6	0-5	60-75	55-65	40-55	30-45	30-35	10-15
	8-60	Sand and gravel	GP-GM, GP	A-1	5-15	10-30	10-20	5-10	0-10	---	NP
Bundorf	0-2	Very stony loam	GM-GC, GC	A-2	20-30	50-60	40-55	30-40	25-35	20-35	5-15
	2-10	Clay loam, clay	CL, CH	A-7	0	90-100	90-100	85-95	65-85	45-60	20-35
	10-19	Very cobbly loam, very gravelly clay loam.	GC	A-2	10-30	50-60	35-45	30-40	25-35	45-60	20-35
	19-27	Indurated	---	---	---	---	---	---	---	---	---
1580*:											
Frodo	0-6	Very stony loam	CL, CL-ML	A-6, A-4	25-50	85-90	70-85	60-80	50-60	25-35	5-15
	6-18	Clay loam, clay, gravelly clay loam.	CL, CH	A-7	0-5	80-95	65-90	60-90	50-80	40-65	20-35
	18-23	Cemented	---	---	---	---	---	---	---	---	---
	23-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Xman	0-2	Very stony loam	SM	A-2, A-4	20-50	70-85	65-75	45-60	25-50	---	NP
	2-14	Clay, gravelly clay.	CH	A-7	0-10	80-100	70-100	70-95	70-85	50-60	30-40
	14-29	Weathered bedrock	---	---	---	---	---	---	---	---	---
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Oppio	0-3	Cobbly sandy loam	SM, SM-SC	A-1, A-2	20-30	70-75	60-70	40-50	20-30	15-25	NP-10
	3-21	Clay, sandy clay	CH	A-7	0-5	90-100	90-100	75-95	55-90	50-60	30-40
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 13.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments > 3 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct					Pct	
1590---------- Ruhe	0-6	Stony loamy sand	SM, SP-SM	A-1	0-10	75-90	50-75	30-50	5-25	---	NP
	6-14	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	14-35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	35-60	Stratified very cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP
1600*:											
Wrango----------	0-8	Gravelly loamy sand.	SM	A-1	0-5	60-80	55-75	15-40	10-25	---	NP
	8-60	Extremely gravelly loamy coarse sand, extremely gravelly sand, extremely gravelly, loamy sand.	GP, GP-GM, GM	A-1	5-40	25-40	15-30	5-20	0-15	---	NP
Ruhe----------	0-6	Stony loamy sand	SM, SP-SM	A-1	0-10	75-90	50-75	30-50	5-25	---	NP
	6-14	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	14-35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	35-60	Stratified very cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS

[The symbol < means less than; > means more than. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" apply only to the surface layer. Absence of an entry indicates that data were not available or were not estimated]

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
101, 102---------- Aquinas	0-7	12-18	2.0-6.0	0.11-0.13	5.6-6.5	<2	Low----------	0.28	3	3
	7-37	20-35	0.06-0.2	0.16-0.18	5.6-7.8	<2	Moderate------	0.24		
	37-46	---	---	---	---	---	----------	----		
	46-60	---	---	---	---	---	----------	----		
106---------- Aquinas	0-1	12-18	2.0-6.0	0.11-0.13	5.6-6.5	<2	Low----------	0.28	3	3
	1-30	20-35	0.06-0.2	0.16-0.18	5.6-7.8	<2	Moderate------	0.24		
	30-36	---	---	---	---	---	----------	----		
	36-60	---	---	---	---	---	----------	----		
110---------- Jowec Variant	0-10	8-18	2.0-6.0	0.10-0.14	5.6-6.5	<2	Low----------	0.24	1	3
	10-20	35-50	<0.06	0.14-0.16	6.1-7.3	<2	High----------	0.28		
	20-66	25-35	0.2-0.6	0.15-0.18	7.4-8.4	<4	Moderate------	0.32		
111*:										
Jowec Variant---	0-12	8-18	2.0-6.0	0.10-0.14	5.6-6.5	<2	Low----------	0.24	1	3
	12-22	35-50	<0.06	0.14-0.16	6.1-7.3	<2	High----------	0.28		
	22-60	25-35	0.2-0.6	0.15-0.18	7.4-8.4	<4	Moderate------	0.32		
Greenbrae--------	0-10	10-18	2.0-6.0	0.07-0.10	5.6-6.5	<2	Low----------	0.15	5	3
	10-28	27-35	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate------	0.24		
	28-63	3-15	0.6-2.0	0.10-0.13	6.6-7.8	<2	Low----------	0.15		
120, 121---------- Doten	0-21	40-60	<0.06	0.14-0.16	>7.3	<16	High----------	0.24	5	4
	21-62	40-60	<0.06	0.14-0.16	>7.3	<16	High----------	0.24		
130---------- Greenbrae	0-5	10-18	0.6-2.0	0.13-0.17	5.6-7.3	<2	Low----------	0.17	5	3
	5-22	27-35	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate------	0.20		
	22-51	8-15	2.0-6.0	0.10-0.13	6.1-7.3	<2	Low----------	0.17		
	51-68	27-35	0.06-0.2	0.16-0.18	7.9-9.0	2-4	Moderate------	0.43		
131---------- Greenbrae	0-10	10-18	2.0-6.0	0.07-0.10	5.6-6.5	<2	Low----------	0.15	5	3
	10-30	27-35	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate------	0.24		
	30-63	3-15	0.6-2.0	0.10-0.13	6.6-7.8	<2	Low----------	0.15		
132---------- Greenbrae	0-8	10-18	2.0-6.0	0.07-0.10	5.6-6.5	<2	Low----------	0.15	5	3
	8-28	27-35	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate------	0.24		
	28-63	3-15	0.6-2.0	0.10-0.13	6.6-7.8	<2	Low----------	0.15		
134---------- Greenbrae	0-6	10-18	0.6-2.0	0.13-0.17	5.6-7.3	<2	Low----------	0.17	5	3
	6-24	27-35	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate------	0.20		
	24-52	8-15	2.0-6.0	0.10-0.13	6.1-7.3	<2	Low----------	0.17		
	52-68	27-35	0.06-0.2	0.16-0.18	7.9-9.0	2-4	Moderate------	0.43		
136---------- Greenbrae	0-12	10-18	2.0-6.0	0.07-0.10	5.6-6.5	<2	Low----------	0.15	5	3
	12-32	27-35	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate------	0.24		
	32-63	3-15	0.6-2.0	0.10-0.13	6.6-7.8	<2	Low----------	0.15		
140---------- Haybourne	0-10	2-10	6.0-20	0.07-0.08	6.6-7.8	<2	Low----------	0.15	5	2
	10-26	8-18	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low----------	0.28		
	26-63	5-12	2.0-20	0.07-0.10	6.6-8.4	<2	Low----------	0.15		
141---------- Haybourne	0-10	2-10	6.0-20	0.07-0.08	6.6-7.8	<2	Low----------	0.15	5	2
	10-26	8-18	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low----------	0.28		
	26-60	5-12	2.0-20	0.07-0.10	6.6-8.4	<2	Low----------	0.15		
142---------- Haybourne	0-12	2-10	6.0-20	0.07-0.08	6.6-7.8	<2	Low----------	0.15	5	2
	12-28	8-18	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low----------	0.28		
	28-60	5-12	2.0-20	0.07-0.10	6.6-8.4	<2	Low----------	0.15		
150, 151---------- Doten Variant	0-5	40-55	<0.06	0.15-0.17	>8.4	>4	High----------	0.43	5	4
	5-72	40-60	<0.06	0.15-0.17	>8.4	4-16	High----------	0.37		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
160---------- Incy	0-9	0-5	>20	0.05-0.07	6.6-7.3	<2	Low----------	0.10	5	1
	9-60	0-5	>20	0.05-0.07	6.6-7.8	<2	Low----------	0.10		
161---------- Incy	0-12	0-5	>20	0.05-0.07	6.6-7.3	<2	Low----------	0.10	5	1
	12-60	0-5	>20	0.05-0.07	6.6-7.8	<2	Low----------	0.10		
171---------- Indian Creek	0-7	8-18	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.24	1	4
	7-18	35-55	<0.06	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	18-25	---	---	---	---	---	----------	----		
	25-60	5-20	0.2-6.0	<0.03	6.6-9.0	<4	Low----------	0.17		
172, 173--------- Indian Creek	0-8	8-18	2.0-6.0	0.08-0.12	6.1-7.8	<2	Low----------	0.24	1	3
	8-18	35-55	<0.06	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	18-25	---	---	---	---	---	----------	----		
	25-60	5-20	0.2-6.0	<0.03	6.6-9.0	<4	Low----------	0.17		
174---------- Indian Creek	0-7	8-20	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17	1	8
	7-19	40-55	<0.06	0.14-0.16	6.1-7.3	<2	High----------	0.24		
	19-23	---	---	---	---	---	----------	----		
	23-60	---	---	---	---	---	----------	----		
175---------- Indian Creek	0-7	15-25	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.28	1	7
	7-19	35-55	<0.06	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	19-23	---	---	---	---	---	----------	----		
	23-60	5-20	0.2-6.0	<0.03	6.6-9.0	<4	Low----------	0.17		
176*:										
Indian Creek----	0-7	15-25	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.28	1	7
	7-19	35-55	<0.06	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	19-23	---	---	---	---	---	----------	----		
	23-60	5-20	0.2-6.0	<0.03	6.6-9.0	<4	Low----------	0.17		
Reno----------	0-2	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.17	2	4
	2-24	35-60	<0.06	0.12-0.16	6.1-7.3	<2	High----------	0.24		
	24-47	---	---	---	---	---	----------	----		
	47	---	---	---	---	---	----------	----		
Washoe----------	0-8	10-18	0.6-2.0	0.06-0.08	6.1-7.3	<2	Low----------	0.10	3	8
	8-38	18-27	0.2-0.6	0.07-0.10	6.1-7.3	<2	Moderate-----	0.17		
	38-60	3-10	>20	0.03-0.05	6.1-7.3	<2	Low----------	0.10		
190---------- Manogue	0-2	40-55	<0.06	0.14-0.16	6.1-8.4	<2	High----------	0.24	5	4
	2-63	40-55	<0.06	0.13-0.15	7.4-8.4	<4	High----------	0.28		
	63-72	---	---	---	---	---	----------	----		
191---------- Manogue	0-3	40-55	<0.06	0.14-0.16	6.1-8.4	<2	High----------	0.24	5	4
	3-63	40-55	<0.06	0.13-0.15	7.4-8.4	<4	High----------	0.28		
	63-72	---	---	---	---	---	----------	----		
192---------- Manogue	0-4	40-55	<0.06	0.14-0.16	6.1-8.4	<2	High----------	0.24	5	4
	4-63	40-55	<0.06	0.13-0.15	7.4-8.4	<4	High----------	0.28		
	63-72	---	---	---	---	---	----------	----		
200---------- Northmore	0-15	5-15	2.0-6.0	0.13-0.15	5.6-7.3	<2	Low----------	0.15	5	3
	15-45	35-45	0.06-0.2	0.14-0.18	5.6-7.3	<2	High----------	0.20		
	45-60	15-25	0.6-2.0	0.12-0.14	6.1-7.3	<2	Low----------	0.15		
201---------- Northmore	0-15	5-15	2.0-6.0	0.13-0.15	5.6-7.3	<2	Low----------	0.15	5	3
	15-45	35-45	0.06-0.2	0.14-0.18	5.6-7.3	<2	High----------	0.20		
	45-60	15-25	0.6-2.0	0.12-0.14	6.1-7.3	<2	Low----------	0.15		
202, 203--------- Northmore	0-10	5-15	2.0-6.0	0.13-0.15	5.6-7.3	<2	Low----------	0.15	5	3
	10-45	35-45	0.06-0.2	0.14-0.18	5.6-7.3	<2	High----------	0.20		
	45-60	15-25	0.6-2.0	0.12-0.14	6.1-7.3	<2	Low----------	0.15		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
210, 211--------- Luppino	0-8	5-15	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low----------	0.24	1	4
	8-14	18-30	0.2-0.6	0.15-0.18	5.6-7.3	<2	Moderate-----	0.20		
	14-23	---	---	---	---	---	----------	----		
	23	---	---	---	---	---	----------	----		
221---------- Oppio	0-3	8-20	2.0-6.0	0.07-0.11	5.6-7.3	<2	Low----------	0.28	3	4
	3-21	35-50	0.06-0.2	0.14-0.17	5.6-7.3	<2	High---------	0.20		
	21	---	---	---	---	---	----------	----		
222---------- Oppio	0-5	8-20	2.0-6.0	0.07-0.11	5.6-7.3	<2	Low----------	0.28	3	4
	5-21	35-50	0.06-0.2	0.14-0.17	5.6-7.3	<2	High---------	0.20		
	21	---	---	---	---	---	----------	----		
223*:										
Oppio----------	0-4	8-20	2.0-6.0	0.07-0.11	5.6-7.3	<2	Low----------	0.28	3	4
	4-21	35-50	0.06-0.2	0.14-0.17	5.6-7.3	<2	High---------	0.20		
	21	---	---	---	---	---	----------	----		
Rezave----------	0-4	12-18	0.6-2.0	0.06-0.08	6.6-8.4	<2	Low----------	0.24	1	8
	4-13	35-55	0.06-0.2	0.12-0.15	7.9-9.0	2-4	High---------	0.37		
	13-19	35-45	0.2-0.6	0.09-0.12	>8.4	2-8	Moderate-----	0.37		
	19	---	---	---	---	---	----------	----		
Rock outcrop.										
230---------- Cradlebaugh	0-10	20-27	0.6-2.0	0.18-0.20	>7.8	4-8	Moderate-----	0.32	5	6
	10-35	20-30	0.2-0.6	0.18-0.20	>7.8	>2	Moderate-----	0.37		
	35-60	5-15	2.0-6.0	0.13-0.15	7.9-8.4	>2	Low----------	0.32		
240---------- Updike	0-2	10-15	0.6-2.0	0.13-0.15	>7.8	2-4	Low----------	0.37	5	5
	2-20	35-50	<0.06	0.14-0.16	>7.8	2-8	High---------	0.24		
	20-63	30-45	0.06-0.2	0.14-0.17	>9.0	4-16	High---------	0.24		
241---------- Updike	0-2	10-15	0.6-2.0	0.13-0.15	>9.0	2-4	Low----------	0.37	5	5
	2-36	35-50	<0.06	0.14-0.16	>9.0	2-8	High---------	0.24		
	36-47	30-45	0.06-0.2	0.15-0.17	>9.0	4-8	High---------	0.20		
	47-63	3-10	>20	0.03-0.06	>9.0	8-16	Low----------	0.10		
250---------- Cassiro	0-15	8-18	2.0-6.0	0.10-0.12	5.6-6.5	<2	Low----------	0.24	2	4
	15-45	35-50	0.2-0.6	0.08-0.11	5.6-6.5	<2	Moderate-----	0.20		
	45-60	---	---	---	---	---	----------	----		
251---------- Cassiro	0-12	8-18	2.0-6.0	0.10-0.12	5.6-6.5	<2	Low----------	0.24	2	4
	12-40	35-45	0.2-0.6	0.08-0.11	5.6-6.5	<2	Moderate-----	0.20		
	40-60	---	---	---	---	---	----------	----		
252---------- Cassiro	0-13	8-18	2.0-6.0	0.10-0.12	5.6-6.5	<2	Low----------	0.24	2	4
	13-40	35-50	0.2-0.6	0.08-0.11	5.6-6.5	<2	Moderate-----	0.20		
	40-60	---	---	---	---	---	----------	----		
260*:										
Acrelane--------	0-6	8-15	2.0-6.0	0.08-0.12	5.6-6.5	<2	Low----------	0.17	1	4
	6-10	18-30	0.6-2.0	0.12-0.15	6.6-7.8	<2	Moderate-----	0.20		
	10	---	---	---	---	---	----------	----		
Rock outcrop.										
262---------- Acrelane	0-4	8-15	2.0-6.0	0.08-0.12	5.6-6.5	<2	Low----------	0.17	1	4
	4-10	18-30	0.6-2.0	0.12-0.15	6.6-7.8	<2	Moderate-----	0.20		
	10	---	---	---	---	---	----------	----		
280---------- Wedekind	0-2	10-15	2.0-6.0	0.13-0.16	6.1-7.3	<2	Low----------	0.24	1	4
	2-14	22-32	0.2-0.6	0.15-0.20	6.1-7.3	<2	Moderate-----	0.20		
	14-60	---	---	---	---	---	----------	----		
281---------- Wedekind	0-2	10-15	2.0-6.0	0.13-0.16	6.1-7.3	<2	Low----------	0.24	1	4
	2-14	22-32	0.2-0.6	0.15-0.20	6.1-7.3	<2	Moderate-----	0.20		
	14-60	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
282---------- Wedekind	0-4	8-15	2.0-6.0	0.07-0.12	6.1-7.3	<2	Low----------	0.15	1	5
	4-14	22-32	0.2-0.6	0.15-0.20	6.1-7.3	<2	Moderate-----	0.20		
	14-60	---	---	---	---	---	----------	----		
290---------- Verdico Variant	0-5	5-15	0.2-0.6	0.12-0.17	6.1-7.3	<2	Low----------	0.24	2	5
	5-28	40-50	0.06-0.2	0.12-0.17	6.1-7.3	<2	High----------	0.28		
	28	---	---	---	---	---	----------	----		
291---------- Verdico Variant	0-6	5-15	0.2-0.6	0.12-0.17	6.1-7.3	<2	Low----------	0.20	2	6
	6-28	40-50	0.06-0.2	0.12-0.17	6.1-7.3	<2	High----------	0.28		
	28	---	---	---	---	---	----------	----		
300---------- Surgem	0-4	5-15	2.0-6.0	0.07-0.10	6.1-7.8	<2	Low----------	0.15	2	4
	4-24	35-50	0.06-0.2	0.10-0.12	6.1-7.8	<2	Moderate-----	0.20		
	24-30	---	---	---	---	---	----------	----		
301*:										
Surgem----------	0-5	5-15	2.0-6.0	0.07-0.10	6.1-7.8	<2	Low----------	0.15	2	4
	5-24	35-50	0.06-0.2	0.10-0.12	6.1-7.8	<2	Moderate-----	0.20		
	24-30	---	---	---	---	---	----------	----		
Rock outcrop.										
302*:										
Surgem----------	0-6	5-15	2.0-6.0	0.07-0.10	6.1-7.8	<2	Low----------	0.15	2	4
	6-24	35-50	0.06-0.2	0.10-0.12	6.1-7.8	<2	Moderate-----	0.20		
	24-30	---	---	---	---	---	----------	----		
Rock outcrop.										
310*:										
Risley----------	0-4	15-27	0.2-0.6	0.09-0.12	5.6-7.3	<2	Moderate-----	0.32	2	7
	4-24	35-45	0.06-0.2	0.16-0.18	6.1-8.4	<2	High----------	0.20		
	24-40	---	---	---	---	---	----------	----		
Rock outcrop.										
311*:										
Risley----------	0-3	15-27	0.2-0.6	0.09-0.12	5.6-7.3	<2	Moderate-----	0.32	2	7
	3-23	35-45	0.06-0.2	0.16-0.18	6.1-8.4	<2	High----------	0.20		
	23-40	---	---	---	---	---	----------	----		
Rock outcrop.										
312---------- Risley	0-3	15-27	0.2-0.6	0.10-0.13	5.6-7.3	<2	Moderate-----	0.32	2	6
	3-23	35-45	0.06-0.2	0.15-0.17	6.1-8.4	<2	High----------	0.32		
	23-40	---	---	---	---	---	----------	----		
313---------- Risley	0-4	28-32	0.06-0.2	0.16-0.18	6.1-8.4	<2	Moderate-----	0.32	2	6
	4-40	35-45	0.06-0.2	0.15-0.17	6.1-8.4	<2	High----------	0.32		
	40-60	---	---	---	---	---	----------	----		
314*:										
Risley----------	0-6	15-27	0.2-0.6	0.09-0.12	5.6-7.3	<2	Moderate-----	0.32	2	7
	6-28	35-45	0.06-0.2	0.16-0.18	6.1-8.4	<2	High----------	0.20		
	28-40	---	---	---	---	---	----------	----		
Xman----------	0-3	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.32	1	5
	3-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	14-29	---	---	---	---	---	----------	----		
	29	---	---	---	---	---	----------	----		
Rock outcrop.										
341---------- Yuko	0-2	20-27	0.2-0.6	0.15-0.17	6.1-7.3	<2	Moderate-----	0.28	1	5
	2-8	32-35	0.2-0.6	0.15-0.17	6.1-7.8	<2	Moderate-----	0.37		
	8-40	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS --Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
342*:										
Yuko----------	0-3	15-27	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate-----	0.24	1	6
	3-9	32-35	0.2-0.6	0.15-0.17	6.1-7.8	<2	Moderate-----	0.37		
	9-40	---	---	---	---	---	----------	----		
Reywat----------	0-6	10-18	0.6-2.0	0.12-0.14	7.4-7.8	<2	Low----------	0.28	1	8
	6-14	24-35	0.2-0.6	0.14-0.16	7.4-7.8	<2	Moderate-----	0.15		
	14	---	---	---	---	---	----------	----		
Rock outcrop.										
350---------- Mizel	0-3	5-15	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low----------	0.17	1	5
	3-7	---	---	---	---	---	----------	----		
351*:										
Mizel----------	0-3	5-15	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low----------	0.17	1	5
	3-7	---	---	---	---	---	----------	----		
Skedaddle--------	0-5	18-27	0.6-2.0	0.06-0.10	6.6-7.8	<2	Low----------	0.28	1	7
	5-8	---	---	---	---	---	----------	----		
	8-20	---	---	---	---	---	----------	----		
Rock outcrop.										
360*. Pits										
370---------- Lemm	0-19	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.17	5	5
	19-40	10-18	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low----------	0.20		
	40-60	3-8	6.0-20	0.06-0.08	6.6-7.3	<2	Low----------	0.10		
390---------- Duckhill	0-3	10-20	0.6-2.0	0.14-0.18	5.6-6.5	<2	Low----------	0.24	1	6
	3-9	20-30	0.6-2.0	0.14-0.18	5.6-6.5	<2	Moderate-----	0.32		
	9-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
391*:										
Duckhill--------	0-3	10-20	0.6-2.0	0.14-0.18	5.6-6.5	<2	Low----------	0.24	1	6
	3-9	20-30	0.6-2.0	0.14-0.18	5.6-6.5	<2	Moderate-----	0.32		
	9-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Hirschdale------	0-6	15-27	0.2-2.0	0.06-0.12	6.1-7.3	<2	Moderate-----	0.20	2	8
	6-39	35-60	0.06-0.2	0.12-0.16	6.1-7.3	<2	High---------	0.24		
	39	---	---	---	---	---	----------	----		
Fraval----------	0-9	12-20	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low----------	0.28	2	7
	9-27	20-35	0.6-2.0	0.10-0.12	5.6-6.5	<2	Moderate-----	0.24		
	27-40	---	---	---	---	---	----------	----		
400---------- Jubilee Variant	0-14	2-8	2.0-6.0	0.08-0.10	>7.8	>8	Low----------	0.15	5	2
	14-60	8-15	2.0-6.0	0.10-0.12	>7.8	>8	Low----------	0.17		
401---------- Jubilee Variant	0-14	8-15	2.0-6.0	0.08-0.10	7.9-9.0	2-8	Low----------	0.15	5	2
	14-60	8-15	2.0-6.0	0.10-0.12	7.9-9.0	2-8	Low----------	0.17		
403---------- Jubilee Variant	0-14	10-22	2.0-6.0	0.14-0.18	7.9-9.0	2-8	Low----------	0.24	5	5
	14-60	8-15	2.0-6.0	0.10-0.12	7.9-9.0	2-8	Low----------	0.17		
410---------- Ophir	0-11	2-8	6.0-20	0.07-0.09	5.6-7.3	<2	Low----------	0.15	4	2
	11-60	3-10	6.0-20	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
411---------- Ophir	0-12	2-8	6.0-20	0.07-0.09	5.6-7.3	<2	Low----------	0.15	4	2
	12-60	3-10	6.0-20	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
420---------- Godecke	0-5	3-8	2.0-6.0	0.08-0.12	>8.4	>8	Low----------	0.15	5	2
	5-15	20-35	0.06-0.2	0.15-0.19	>8.4	>8	Moderate-----	0.28		
	15-60	25-30	0.06-0.2	0.15-0.19	>8.4	>8	Moderate-----	0.28		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
423---------- Godecke Variant	0-12	5-15	2.0-6.0	0.08-0.10	6.6-8.4	2-8	Low----------	0.15	4	2
	12-25	20-35	0.06-0.2	0.16-0.19	>8.4	4-16	Moderate------	0.28		
	25-42	20-35	0.06-0.2	0.15-0.18	>8.4	4-16	Moderate------	0.28		
	42-60	---	---	---	---	---	----------	----		
430, 431--------- Sagouspe Variant	0-5	3-12	0.6-2.0	0.10-0.12	6.1-7.3	<2	Low----------	0.37	4	2
	5-22	2-10	6.0-20	0.06-0.07	6.1-7.3	<2	Low----------	0.15		
	22-60	3-12	0.6-2.0	0.10-0.12	6.1-7.3	<2	Low----------	0.32		
440---------- Jubilee	0-22	5-15	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15	5	3
	22-60	5-15	6.0-20	0.06-0.08	6.6-7.8	<2	Low----------	0.10		
441---------- Jubilee	0-11	28-32	0.6-2.0	0.18-0.20	6.1-7.3	<2	Low----------	0.24	5	5
	11-60	5-15	6.0-20	0.06-0.08	6.6-7.8	<2	Low----------	0.10		
442---------- Jubilee	0-11	5-10	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.10	5	2
	11-28	8-18	2.0-6.0	0.11-0.13	6.6-7.3	<2	Low----------	0.15		
	28-60	5-15	6.0-20	0.06-0.08	6.6-7.8	<2	Low----------	0.10		
443---------- Jubilee	0-12	5-10	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.10	5	2
	12-30	8-18	2.0-6.0	0.11-0.13	6.6-7.3	<2	Low----------	0.15		
	30-60	5-15	6.0-20	0.06-0.08	6.6-7.8	<2	Low----------	0.10		
445---------- Jubilee	0-22	8-18	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15	5	3
	22-60	5-15	2.0-6.0	0.07-0.13	6.1-7.3	<2	Low----------	0.10		
450---------- Voltaire	0-20	20-27	0.2-0.6	0.15-0.17	>7.8	<4	Moderate------	0.32	5	5
	20-60	27-35	0.06-0.2	0.18-0.20	>7.8	4-8	Moderate------	0.28		
451---------- Voltaire	0-15	20-27	0.2-0.6	0.18-0.20	>8.4	4-8	Moderate------	0.32	5	6
	15-60	27-35	0.06-0.2	0.18-0.20	>7.8	>4	Moderate------	0.37		
452---------- Voltaire	0-18	20-27	0.2-0.6	0.18-0.20	>8.4	>16	Moderate------	0.32	5	6
	18-60	27-35	0.06-0.2	0.18-0.20	>7.8	>4	Moderate------	0.37		
454---------- Voltaire	0-20	40-45	0.06-0.2	0.17-0.19	7.4-8.4	<4	High----------	0.28	5	4
	20-60	20-35	0.06-0.2	0.17-0.19	7.4-8.4	<4	Moderate------	0.32		
455*:										
Voltaire---------	0-20	40-45	0.06-0.2	0.17-0.19	7.4-8.4	<4	High----------	0.28	5	4
	20-60	20-35	0.06-0.2	0.17-0.19	7.4-8.4	<4	Moderate------	0.32		
Truckee----------	0-12	10-20	0.6-2.0	0.14-0.16	7.9-8.4	2-8	Low----------	0.43	5	6
	12-60	18-28	0.2-0.6	0.15-0.18	7.9-8.4	2-8	Moderate------	0.24		
456---------- Voltaire	0-9	30-38	0.06-0.2	0.13-0.17	>7.3	<8	Moderate------	0.43	3	6
	9-36	27-35	0.06-0.2	0.15-0.20	>7.3	<8	Moderate------	0.37		
	36-60	5-15	2.0-6.0	0.05-0.10	>7.3	<8	Low----------	0.24		
460---------- Surprise	0-14	3-8	6.0-20.0	0.06-0.08	6.1-7.3	<2	Low----------	0.17	5	2
	14-37	10-18	2.0-6.0	0.09-0.12	6.1-7.3	<2	Low----------	0.20		
	37-66	7-12	2.0-6.0	0.06-0.12	6.1-7.3	<2	Low----------	0.10		
461---------- Surprise	0-7	5-15	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.20	5	3
	7-24	10-18	2.0-6.0	0.09-0.12	6.1-7.3	<2	Low----------	0.20		
	24-66	7-12	2.0-6.0	0.06-0.12	6.1-7.3	<2	Low----------	0.10		
470---------- Dalzell	0-14	4-10	2.0-6.0	0.10-0.12	>7.8	4-16	Low----------	0.17	3	2
	14-32	18-35	0.2-0.6	0.17-0.19	>8.4	4-16	Moderate------	0.32		
	32-36	---	---	---	---	---	----------	----		
	36-60	5-12	2.0-6.0	0.09-0.11	>8.4	2-8	Low----------	0.24		
480---------- Holbrook	0-14	3-8	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.17	5	3
	14-60	5-10	2.0-6.0	0.04-0.06	6.1-8.4	<2	Low----------	0.15		
482---------- Holbrook	0-10	5-12	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.28	5	4
	10-60	5-10	2.0-6.0	0.04-0.06	6.1-8.4	<2	Low----------	0.15		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
490---------- Graufels	0-10	2-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	4
	10-22	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	22-40	---	---	---	---	---	----------	----		
491*:										
Graufels--------	0-10	2-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	4
	10-22	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	22-40	---	---	---	---	---	----------	----		
Rock outcrop.										
492---------- Graufels	0-12	2-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	4
	12-26	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	26-40	---	---	---	---	---	----------	----		
493*:										
Graufels--------	0-11	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10	2	3
	11-25	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	25-40	---	---	---	---	---	----------	----		
Glenbrook-------	0-7	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	3
	7-13	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10		
	13	---	---	---	---	---	----------	----		
494---------- Graufels	0-9	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10	2	3
	9-24	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	24-40	---	---	---	---	---	----------	----		
495*:										
Graufels--------	0-9	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10	2	3
	9-23	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	23-40	---	---	---	---	---	----------	----		
Glenbrook-------	0-7	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	3
	7-13	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10		
	13	---	---	---	---	---	----------	----		
Rock outcrop.										
496*:										
Graufels--------	0-15	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10	2	3
	15-26	3-10	6.0-20	0.07-0.09	6.1-7.3	<2	Low----------	0.10		
	26-40	---	---	---	---	---	----------	----		
Glenbrook-------	0-12	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10	2	3
	12-18	0-8	6.0-20	0.05-0.07	6.1-7.3	<2	Low----------	0.10		
	18	---	---	---	---	---	----------	----		
Haypress--------	0-15	3-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10	3	---
	15-46	0-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10		
	46	---	---	---	---	---	----------	----		
500, 504--------- Mottsville	0-10	2-8	>6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.10	5	1
	10-60	3-10	>6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.10		
505---------- Mottsville	0-11	3-10	>6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.10	5	3
	11-60	3-10	>6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.10		
510---------- Settlemeyer	0-15	10-20	0.6-2.0	0.13-0.15	>7.3	<8	Low----------	0.24	5	4
	15-39	27-35	0.2-0.6	0.16-0.19	>7.3	<8	Moderate-----	0.37		
	39-60	12-20	0.2-2.0	0.07-0.11	6.6-8.4	<8	Low----------	0.24		
513*:										
Settlemeyer-----	0-15	10-20	0.6-2.0	0.13-0.15	>7.3	<8	Low----------	0.24	5	4
	15-39	27-35	0.2-0.6	0.16-0.19	>7.3	<8	Moderate-----	0.37		
	39-60	12-20	0.2-2.0	0.07-0.11	6.6-8.4	<8	Low----------	0.24		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
513*:										
Notus	0-12	2-7	2.0-6.0	0.06-0.08	6.1-7.3	<2	Low	0.20	5	3
	12-60	3-10	2.0-6.0	0.03-0.06	6.1-7.3	<2	Low	0.17		
514 Settlemeyer	0-12	15-22	0.6-2.0	0.11-0.13	>7.3	<8	Low	0.24	5	5
	12-35	27-35	0.2-0.6	0.16-0.19	>7.3	<8	Moderate	0.37		
	35-60	12-20	0.2-2.0	0.07-0.11	6.6-8.4	<8	Low	0.24		
520 Dressler	0-19	2-10	2.0-6.0	0.10-0.13	6.1-7.3	<2	Low	0.17	5	2
	19-60	3-8	2.0-6.0	0.06-0.08	6.1-7.3	<2	Low	0.17		
530 Sagouspe	0-21	0-5	6.0-20	0.05-0.07	6.6-8.4	<2	Low	0.15	5	1
	21-60	0-5	6.0-20	0.10-0.13	>7.8	<4	Low	0.20		
531 Sagouspe	0-21	5-10	2.0-6.0	0.13-0.15	6.6-8.4	<8	Low	0.24	5	3
	21-60	0-5	6.0-20	0.10-0.13	>7.8	<4	Low	0.20		
532 Sagouspe	0-10	0-5	6.0-20	0.05-0.07	6.6-8.4	<2	Low	0.15	4	2
	10-40	0-5	6.0-20	0.10-0.13	7.4-8.4	<2	Low	0.20		
	40-60	0-5	6.0-20	0.03-0.05	7.4-8.4	<2	Low	0.15		
550, 551, 553 Leviathan	0-9	10-20	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low	0.17	5	5
	9-60	27-35	0.2-0.6	0.09-0.12	6.1-7.3	<2	Moderate	0.17		
554, 557 Leviathan	0-11	10-18	0.2-0.6	0.08-0.10	6.1-7.3	<2	Low	0.17	5	5
	11-60	27-35	0.2-0.6	0.09-0.11	6.1-7.3	<2	Moderate	0.17		
559 Leviathan	0-11	10-18	0.2-0.6	0.05-0.07	6.1-7.3	<2	Low	0.15	5	8
	11-60	27-35	0.2-0.6	0.09-0.11	6.1-7.3	<2	Moderate	0.17		
570 Turria	0-2	15-25	0.6-2.0	0.16-0.18	6.1-7.8	<2	Moderate	0.37	5	5
	2-12	25-35	0.2-0.6	0.17-0.20	6.1-7.8	<2	Moderate	0.32		
	12-60	15-25	0.6-2.0	0.18-0.20	6.6-7.8	<2	Moderate	0.49		
585*:										
Barnard	0-15	5-15	0.6-2.0	0.16-0.19	6.1-7.3	<2	Low	0.20	1	4
	15-26	40-50	0.06-0.2	0.13-0.16	6.1-7.3	<2	High	0.28		
	26	---	---	---	---	---	---	---		
Trosi	0-12	8-15	2.0-6.0	0.07-0.09	5.6-7.3	<2	Low	0.10	1	---
	12-19	35-50	<0.06	0.07-0.09	6.1-7.3	<2	Moderate	0.10		
	19-34	---	---	---	6.1-7.3	<2	---	---		
	34-60	---	---	---	---	---	---	---		
590, 591 Springmeyer	0-13	18-25	0.2-2.0	0.15-0.16	6.1-7.3	<2	Moderate	0.32	5	5
	13-40	25-35	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.20		
	40-60	22-30	0.2-2.0	0.10-0.13	6.6-8.4	<2	Moderate	0.20		
595 Springmeyer	0-13	18-27	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.32	5	5
	13-40	25-35	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.20		
	40-60	18-25	0.2-2.0	0.11-0.13	6.6-8.4	<2	Moderate	0.20		
600 Idlewild	0-13	27-32	0.2-0.6	0.15-0.19	6.1-7.3	<2	Moderate	0.32	5	6
	13-36	35-45	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
	36-62	30-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
601 Idlewild	0-13	10-18	0.6-2.0	0.12-0.16	6.1-7.3	<2	Low	0.24	5	3
	13-36	35-45	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
	36-62	30-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
602 Idlewild	0-10	10-18	0.6-2.0	0.12-0.16	6.1-7.3	<2	Low	0.20	5	4
	10-36	35-45	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
	36-60	30-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	High	0.32		
612 Verdico	0-2	8-18	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low	0.28	2	5
	2-22	45-60	<0.06	0.13-0.18	6.1-7.3	<2	High	0.28		
	22-29	45-60	<0.06	0.13-0.18	6.6-7.8	<2	High	0.24		
	29-60	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
613, 614--------- Verdico	0-2	8-18	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low----------	0.28	2	6
	2-22	45-60	<0.06	0.13-0.18	6.1-7.3	<2	High----------	0.28		
	22-29	45-60	<0.06	0.13-0.18	6.6-7.8	<2	High----------	0.24		
	29-60	---	---	---	---	---	----------	----		
615---------- Verdico	0-2	8-18	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low----------	0.32	2	3
	2-22	45-60	<0.06	0.13-0.18	6.1-7.3	<2	High----------	0.28		
	22-29	45-60	<0.06	0.13-0.18	6.6-7.8	<2	High----------	0.24		
	29-60	---	---	---	---	---	----------	----		
620, 621--------- Orr	0-10	12-18	0.6-2.0	0.08-0.13	6.1-7.3	<2	Low----------	0.15	5	5
	10-50	18-25	0.2-0.6	0.15-0.17	6.1-7.3	<2	Moderate------	0.20		
	50-60	5-22	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15		
622---------- Orr	0-12	12-18	0.6-2.0	0.07-0.12	6.1-7.3	<2	Low----------	0.15	5	4
	12-50	20-25	0.2-0.6	0.15-0.18	6.1-7.3	<2	Moderate------	0.20		
	50-60	3-12	6.0-20	0.05-0.08	6.1-7.3	<2	Low----------	0.10		
623---------- Orr	0-10	12-18	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low----------	0.17	5	4
	10-50	18-25	0.2-0.6	0.15-0.17	6.1-7.3	<2	Moderate------	0.20		
	50-60	5-22	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15		
624---------- Orr	0-12	12-18	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15	5	4
	12-50	18-25	0.2-0.6	0.15-0.17	6.1-7.3	<2	Moderate------	0.20		
	50-60	5-22	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low----------	0.15		
630, 631--------- Fleischmann	0-4	27-35	0.2-0.6	0.15-0.20	5.6-7.3	<2	Moderate------	0.28	2	7
	4-20	40-55	0.06-0.2	0.13-0.16	6.1-7.3	<2	High----------	0.24		
	20-43	---	---	---	---	---	----------	----		
	43-60	---	---	---	---	---	----------	----		
632---------- Fleischmann	0-4	10-20	0.2-0.6	0.15-0.18	6.1-7.3	<2	Moderate------	0.32	2	6
	4-20	40-55	0.06-0.2	0.13-0.16	6.1-7.3	<2	High----------	0.24		
	20-43	---	---	---	---	---	----------	----		
	43-60	---	---	---	---	---	----------	----		
640---------- Notus	0-12	2-7	2.0-6.0	0.06-0.08	6.1-7.3	<2	Low----------	0.20	5	3
	12-60	3-10	2.0-6.0	0.03-0.06	6.1-7.3	<2	Low----------	0.17		
650---------- Chalco	0-3	27-35	0.2-0.6	0.13-0.16	6.1-7.8	<2	Moderate------	0.17	1	7
	3-15	40-60	<0.06	0.12-0.15	6.1-7.8	<2	High----------	0.24		
	15	---	---	---	---	---	----------	----		
651---------- Chalco	0-4	27-35	0.2-0.6	0.13-0.16	6.1-7.8	<2	Moderate------	0.17	1	7
	4-15	40-60	<0.06	0.12-0.15	6.1-7.8	<2	High----------	0.24		
	15	---	---	---	---	---	----------	----		
652---------- Chalco	0-3	15-25	0.6-2.0	0.12-0.15	6.1-7.3	<2	Low----------	0.28	1	5
	3-15	40-60	<0.06	0.12-0.15	6.1-8.4	<2	High----------	0.24		
	15-30	---	---	---	---	---	----------	----		
653---------- Chalco	0-3	10-12	2.0-6.0	0.09-0.11	6.1-7.3	<2	Low----------	0.24	1	5
	3-15	40-60	<0.06	0.12-0.15	6.1-8.4	<2	High----------	0.24		
	15-30	---	---	---	---	---	----------	----		
654*:										
Chalco----------	0-3	10-12	2.0-6.0	0.09-0.11	6.1-7.3	<2	Low----------	0.24	1	5
	3-15	40-60	<0.06	0.12-0.15	6.1-8.4	<2	High----------	0.24		
	15-30	---	---	---	---	---	----------	----		
Celeton Variant-	0-6	15-24	6.0-20	0.11-0.13	7.9-8.4	<4	Moderate------	0.32	1	5
	6	---	---	---	---	---	----------	----		
660---------- Oest	0-13	8-18	2.0-6.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17	5	4
	13-44	18-25	0.6-2.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17		
	44-60	5-12	6.0-20.0	0.05-0.08	6.1-7.3	<2	Low----------	0.10		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
661---------- Oest	0-14	8-18	2.0-6.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17	5	4
	14-40	18-25	0.6-2.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17		
	40-60	5-12	6.0-20.0	0.05-0.08	6.1-7.3	<2	Low----------	0.10		
662---------- Oest	0-8	8-18	2.0-6.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17	5	5
	8-40	18-25	0.6-2.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17		
	40-60	5-12	6.0-20.0	0.05-0.08	6.1-7.3	<2	Low----------	0.10		
663---------- Oest	0-15	10-22	0.6-2.0	0.08-0.11	6.1-7.3	<2	Low----------	0.24	5	6
	15-40	18-25	0.6-2.0	0.05-0.09	6.1-7.3	<2	Low----------	0.20		
	40-60	3-8	6.0-20	0.04-0.06	6.1-7.3	<2	Low----------	0.20		
664---------- Oest	0-14	10-22	0.6-2.0	0.08-0.11	6.1-7.3	<2	Low----------	0.24	5	6
	14-40	18-25	0.6-2.0	0.05-0.09	6.1-7.3	<2	Low----------	0.20		
	40-60	3-8	6.0-20	0.04-0.06	6.1-7.3	<2	Low----------	0.20		
668---------- Oest	0-15	8-18	2.0-6.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17	5	5
	15-40	18-25	0.6-2.0	0.07-0.10	6.1-7.3	<2	Low----------	0.17		
	40-60	5-12	6.0-20.0	0.05-0.08	6.1-7.3	<2	Low----------	0.10		
669---------- Oest	0-14	10-18	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.17	5	4
	14-40	18-25	0.6-2.0	0.05-0.09	6.1-7.3	<2	Low----------	0.20		
	40-60	3-8	6.0-20	0.04-0.06	6.1-7.3	<2	Low----------	0.20		
670---------- Galeppi	0-10	5-15	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.24	5	3
	10-22	22-30	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate------	0.24		
	22-60	5-15	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low----------	0.28		
671---------- Galeppi	0-10	5-15	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.24	5	3
	10-24	22-30	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate------	0.24		
	24-60	5-15	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low----------	0.28		
673---------- Galeppi	0-10	5-15	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.24	5	3
	10-21	22-30	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate------	0.24		
	21-60	5-15	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low----------	0.28		
674---------- Galeppi	0-10	5-15	2.0-6.0	0.08-0.11	6.1-7.3	<2	Low----------	0.15	5	4
	10-21	22-30	0.2-0.6	0.09-0.13	6.6-7.8	<2	Moderate------	0.20		
	21-60	5-15	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low----------	0.24		
676*:										
Galeppi----------	0-9	5-15	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.24	5	4
	9-36	22-30	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate------	0.24		
	36-60	5-15	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low----------	0.28		
Barnard----------	0-15	5-15	0.6-2.0	0.16-0.19	6.1-7.3	<2	Low----------	0.20	1	4
	15-26	40-50	0.06-0.2	0.13-0.16	6.1-7.3	<2	High----------	0.28		
	26	---	---	---	---	---	----------	----		
681---------- Reno	0-2	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.17	2	4
	2-24	35-60	<0.06	0.12-0.16	6.1-7.3	<2	High----------	0.24		
	24-47	---	---	---	---	---	----------	----		
	47	---	---	---	---	---	----------	----		
683---------- Reno	0-4	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.17	2	4
	4-24	35-60	<0.06	0.12-0.16	6.1-7.3	<2	High----------	0.24		
	24-47	---	---	---	---	---	----------	----		
	47	---	---	---	---	---	----------	----		
730---------- Stodick	0-4	10-20	0.2-2.0	0.13-0.17	6.1-7.3	<2	Low----------	0.32	2	7
	4-14	25-35	0.2-0.6	0.13-0.17	6.1-7.3	<2	Moderate------	0.32		
	14	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
731---------- Stodick	0-5	10-20	0.2-2.0	0.14-0.18	6.1-7.3	<2	Low----------	0.32	2	7
	5-14	25-35	0.2-0.6	0.13-0.17	6.1-7.3	<2	Moderate-----	0.32		
	14	---	---	---	---	---	----------	----		
740---------- Blackwell	0-11	5-15	0.6-2.0	0.13-0.16	6.1-7.3	<2	Low----------	0.24	5	---
	11-60	20-30	0.2-0.6	0.12-0.14	6.1-7.3	<2	Moderate-----	0.28		
752*, 753*:										
Toiyabe---------	0-8	2-4	6.0-20	0.06-0.08	5.6-7.3	<2	Low----------	0.10	1	3
	8-13	2-4	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.10		
	13	---	---	---	---	---	----------	----		
Corbett---------	0-8	0-5	6.0-20	0.03-0.05	5.6-6.5	<2	Low----------	0.15	2	8
	8-32	0-5	6.0-20	0.03-0.06	5.6-6.5	<2	Low----------	0.15		
	32	---	---	---	---	---	----------	----		
Rock outcrop.										
754*:										
Toiyabe---------	0-9	2-4	6.0-20	0.06-0.08	5.6-7.3	<2	Low----------	0.10	1	3
	9-13	2-4	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.10		
	13	---	---	---	---	---	----------	----		
Rock outcrop.										
756*:										
Toiyabe---------	0-7	2-4	6.0-20	0.06-0.08	5.6-7.3	<2	Low----------	0.10	1	3
	7-15	2-4	6.0-20	0.06-0.08	6.1-7.3	<2	Low----------	0.10		
	15	---	---	---	---	---	----------	----		
Corbett---------	0-9	0-5	6.0-20	0.03-0.05	5.6-6.5	<2	Low----------	0.15	2	8
	9-34	0-5	6.0-20	0.03-0.06	5.6-6.5	<2	Low----------	0.15		
	34	---	---	---	---	---	----------	----		
Haypress--------	0-15	3-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10	3	---
	15-46	0-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10		
	46	---	---	---	---	---	----------	----		
772---------- Booford	0-7	8-15	0.6-2.0	0.10-0.13	6.1-7.3	<2	Low----------	0.20	2	5
	7-25	45-60	0.06-0.2	0.13-0.17	6.1-7.3	<2	High----------	0.20		
	25-45	---	---	---	---	---	----------	----		
775---------- Booford	0-8	10-20	0.6-2.0	0.11-0.13	6.1-7.3	<2	Low----------	0.37	2	6
	8-25	45-60	0.06-0.2	0.13-0.17	6.1-7.3	<2	High----------	0.20		
	25-45	---	---	---	---	---	----------	----		
780---------- Bieber	0-8	5-18	0.6-2.0	0.11-0.14	6.1-7.3	<2	Low----------	0.17	1	8
	8-19	35-45	<0.06	0.14-0.16	6.1-8.4	<2	High----------	0.24		
	19-25	---	---	---	---	---	----------	----		
	25-60	---	---	---	---	---	----------	----		
782---------- Bieber	0-7	5-18	0.6-2.0	0.11-0.14	6.1-7.3	<2	Low----------	0.17	1	8
	7-19	35-45	<0.06	0.14-0.16	6.1-8.4	<2	High----------	0.24		
	19-25	---	---	---	---	---	----------	----		
	25-60	5-15	0.06-0.2	0.03-0.08	7.4-8.4	<2	Low----------	0.10		
800---------- Truckee	0-12	10-20	0.6-2.0	0.14-0.16	7.9-8.4	2-4	Low----------	0.43	5	6
	12-60	18-25	0.2-0.6	0.15-0.18	7.9-8.4	2-4	Moderate-----	0.24		
802---------- Truckee	0-12	10-20	0.6-2.0	0.14-0.16	>8.4	>16	Low----------	0.43	5	6
	12-60	18-25	0.2-0.6	0.15-0.18	>7.8	>8	Moderate-----	0.24		
805---------- Truckee	0-12	5-12	2.0-6.0	0.10-0.12	7.4-9.0	8-16	Low----------	0.20	5	4
	12-30	18-25	0.2-0.6	0.13-0.16	7.4-9.0	4-16	Moderate-----	0.20		
	30-60	3-10	6.0-20.0	0.08-0.10	7.4-8.4	2-4	Low----------	0.10		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
806---------- Truckee	0-12	5-12	2.0-6.0	0.10-0.12	>8.4	>16	Low----------	0.20	5	4
	12-30	18-25	0.2-0.6	0.14-0.17	>8.4	>8	Moderate-----	0.24		
	30-60	3-10	6.0-20.0	0.08-0.12	>7.8	4-16	Low----------	0.24		
810---------- Rose Creek	0-16	10-15	0.6-6.0	0.10-0.13	7.4-8.4	<4	Low----------	0.32	5	4
	16-60	10-18	2.0-6.0	0.10-0.13	7.9-9.0	2-4	Low----------	0.28		
812---------- Rose Creek	0-15	5-10	6.0-20	0.09-0.12	7.4-8.4	<2	Low----------	0.20	5	2
	15-60	10-18	2.0-6.0	0.10-0.13	7.9-9.0	2-4	Low----------	0.28		
813---------- Rose Creek	0-16	5-15	2.0-6.0	0.10-0.13	7.4-8.4	<4	Low----------	0.24	5	4
	16-60	10-18	2.0-6.0	0.10-0.13	7.9-9.0	2-4	Low----------	0.28		
820---------- Marla	0-18	2-8	2.0-6.0	0.06-0.08	5.1-7.3	<2	Low----------	0.15	5	8
	18-44	3-8	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.15		
	44-66	5-15	0.2-0.6	0.06-0.11	6.1-7.3	<2	Low----------	0.24		
821---------- Marla	0-18	2-8	2.0-6.0	0.06-0.08	5.1-7.3	<2	Low----------	0.15	5	8
	18-44	3-8	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.15		
	44-66	5-15	0.2-0.6	0.06-0.11	6.1-7.3	<2	Low----------	0.24		
830---------- Fettic	0-1	27-30	0.06-0.2	0.14-0.17	>7.8	>8	Moderate-----	0.49	5	5
	1-21	27-35	<0.06	0.14-0.16	>7.8	>8	Moderate-----	0.32		
	21-60	15-30	0.06-0.2	0.14-0.16	>7.8	>8	Moderate-----	0.37		
831---------- Fettic	0-4	20-27	0.2-0.6	0.14-0.17	>7.8	4-8	Moderate-----	0.28	5	4
	4-20	27-35	<0.06	0.14-0.16	>7.8	4-16	Moderate-----	0.32		
	20-60	15-30	0.06-0.2	0.14-0.16	>7.8	>8	Moderate-----	0.37		
840*:										
Temo----------	0-10	2-8	6.0-20	0.05-0.07	5.6-6.5	<2	Low----------	0.15	1	5
	10-16	2-8	6.0-20	0.05-0.07	5.6-6.5	<2	Low----------	0.17		
	16	---	---	---	---	---	----------	----		
Witefels--------	0-8	0-5	6.0-20	0.04-0.06	5.1-6.5	<2	Low----------	0.10	2	3
	8-35	3-10	6.0-20	0.05-0.07	5.1-6.5	<2	Low----------	0.10		
	35	---	---	---	---	---	----------	----		
Rock outcrop.										
850---------- Washoe	0-8	5-15	0.6-2.0	0.07-0.10	6.1-7.3	<2	Low----------	0.15	5	4
	8-38	18-27	0.2-0.6	0.10-0.14	6.1-7.3	<2	Moderate-----	0.20		
	38-60	5-10	>20	0.04-0.06	6.1-7.3	<2	Low----------	0.10		
861---------- Reywat	0-6	10-18	0.6-2.0	0.12-0.14	7.4-7.8	<2	Low----------	0.28	1	8
	6-18	24-35	0.2-0.6	0.14-0.16	7.4-8.4	<2	Moderate-----	0.15		
	18	---	---	---	---	---	----------	----		
862---------- Reywat	0-6	8-15	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low----------	0.15	1	8
	6-18	24-35	0.2-0.6	0.14-0.16	7.4-8.4	<2	Moderate-----	0.15		
	18	---	---	---	---	---	----------	----		
863*:										
Reywat----------	0-6	10-18	0.6-2.0	0.12-0.14	6.1-7.8	<2	Low----------	0.28	1	8
	6-14	24-35	0.2-0.6	0.14-0.16	6.6-8.4	<2	Moderate-----	0.15		
	14	---	---	---	---	---	----------	----		
Rock outcrop.										
870*:										
Xman----------	0-3	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low----------	0.28	1	5
	3-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High----------	0.24		
	14-29	---	---	---	---	---	----------	----		
	29	---	---	---	---	---	----------	----		
Rock outcrop.										

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
871, 872 Xman	0-2	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.32	1	5
	2-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
873*:										
Xman	0-4	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.28	1	5
	4-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
Rock outcrop.										
875*:										
Xman	0-2	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.32	1	5
	2-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
Zephan	0-8	10-15	0.6-2.0	0.12-0.15	5.6-6.5	<2	Low	0.15	2	4
	8-35	35-45	0.06-0.2	0.10-0.13	5.6-6.5	<2	High	0.10		
	35-42	---	---	---	---	---	---	---		
Mizel	0-3	5-15	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low	0.17	1	5
	3-7	---	---	---	---	---	---	---		
876*:										
Xman	0-2	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.32	1	5
	2-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
Oppio	0-6	8-18	2.0-6.0	0.07-0.09	7.4-7.8	<2	Low	0.28	2	8
	6-27	40-50	0.06-0.2	0.14-0.16	7.4-7.8	<2	High	0.17		
	27	---	---	---	---	---	---	---		
Old Camp	0-2	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low	0.17	1	8
	2-14	25-35	0.2-0.6	0.08-0.11	6.6-8.6	<2	Moderate	0.15		
	14	---	---	---	---	---	---	---		
877*:										
Xman	0-2	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.32	1	5
	2-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
Frodo	0-6	15-27	0.6-2.0	0.03-0.11	6.1-7.3	<2	Moderate	0.20	1	8
	6-18	35-60	0.06-0.2	0.11-0.17	6.6-8.4	<2	High	0.17		
	18-23	---	---	---	---	---	---	---		
	23-30	---	---	---	---	---	---	---		
Mizel	0-3	5-15	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low	0.17	1	5
	3-7	---	---	---	---	---	---	---		
880*:										
Zephan	0-8	10-15	0.6-2.0	0.12-0.15	5.6-6.5	<2	Low	0.15	2	4
	8-35	35-45	0.06-0.2	0.10-0.13	5.6-6.5	<2	High	0.10		
	35-42	---	---	---	---	---	---	---		
Rock outcrop.										
Smallcone	0-6	5-15	6.0-20	0.02-0.07	5.1-6.0	<2	Low	0.10	1	6
	6	---	---	---	---	---	---	---		
881 Zephan	0-8	10-15	0.6-2.0	0.12-0.15	5.6-6.5	<2	Low	0.15	2	4
	8-35	35-45	0.06-0.2	0.10-0.13	5.6-6.5	<2	High	0.10		
	35-42	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
882---------- Zephan	0-8	10-15	0.6-2.0	0.12-0.15	5.6-6.5	<2	Low----------	0.15	2	4
	8-35	35-45	0.06-0.2	0.10-0.13	5.6-6.5	<2	High----------	0.10		
	35-42	---	---	---	---	---	----------	----		
890, 891---------- Indiano	0-14	8-20	0.6-2.0	0.12-0.16	6.1-7.3	<2	Low----------	0.32	3	6
	14-29	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate------	0.28		
	29	---	---	---	---	---	----------	----		
892*:										
Indiano----------	0-13	8-20	0.6-2.0	0.12-0.16	6.1-7.3	<2	Low----------	0.32	3	6
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate------	0.28		
	33	---	---	---	---	---	----------	----		
Koontz----------	0-6	12-22	0.6-2.0	0.10-0.12	6.6-7.8	<2	Low----------	0.24	2	8
	6-18	25-35	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate------	0.24		
	18	---	---	---	---	---	----------	----		
Flex----------	0-3	8-18	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.17	1	5
	3-10	18-27	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	10	---	---	---	---	---	----------	----		
893*:										
Indiano----------	0-13	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.32	3	4
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate------	0.28		
	33	---	---	---	---	---	----------	----		
Duco----------	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low----------	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate------	0.24		
	19	---	---	---	---	---	----------	----		
Cagle----------	0-7	30-35	0.2-0.6	0.16-0.17	6.6-7.3	<2	Moderate------	0.28	3	8
	7-20	45-60	0.06-0.2	0.13-0.15	6.6-7.3	<2	High----------	0.24		
	20-23	30-55	0.06-0.2	0.07-0.09	6.6-7.3	<2	High----------	0.24		
	23	---	---	---	---	---	----------	----		
894*:										
Indiano----------	0-13	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.32	3	4
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate------	0.28		
	33	---	---	---	---	---	----------	----		
Duco----------	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low----------	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate------	0.24		
	19	---	---	---	---	---	----------	----		
Skedaddle--------	0-5	18-27	0.6-2.0	0.06-0.10	6.6-7.8	<2	Low----------	0.28	1	7
	5-8	---	---	---	---	---	----------	----		
	8-20	---	---	---	---	---	----------	----		
895*:										
Indiano----------	0-13	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low----------	0.32	3	4
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate------	0.28		
	33	---	---	---	---	---	----------	----		
Zephan----------	0-8	10-15	0.6-2.0	0.12-0.15	5.6-6.5	<2	Low----------	0.15	2	4
	8-35	35-45	0.06-0.2	0.10-0.13	5.6-6.5	<2	High----------	0.10		
	35-42	---	---	---	---	---	----------	----		
Duco----------	0-7	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low----------	0.17	1	5
	7-15	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate------	0.24		
	15	---	---	---	---	---	----------	----		
900---------- Flex	0-3	8-18	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.17	1	5
	3-10	18-27	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	10	---	---	---	---	---	----------	----		
901---------- Flex	0-4	8-18	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.17	1	5
	4-10	18-27	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	10	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
903---------- Flex	0-3	8-18	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low----------	0.20	1	4
	3-10	18-27	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	10	---	---	---	---	---	----------	----		
910---------- Vamp	0-3	12-18	2.0-6.0	0.11-0.13	>7.8	4-8	Low----------	0.32	5	3
	3-36	12-18	0.6-2.0	0.13-0.16	>7.8	4-8	Low----------	0.32		
	36-42	---	---	---	---	---	----------	----		
	42-60	10-18	0.6-6.0	0.08-0.16	>7.8	2-8	Low----------	0.32		
911---------- Vamp	0-3	12-18	0.6-2.0	0.13-0.16	>7.8	>16	Low----------	0.49	5	6
	3-36	12-18	0.6-2.0	0.13-0.16	>7.8	4-8	Low----------	0.32		
	36-42	---	---	---	---	---	----------	----		
	42-60	10-18	0.6-6.0	0.08-0.16	>7.8	2-8	Low----------	0.32		
930---------- Old Camp	0-7	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low----------	0.17	1	8
	7-17	25-35	0.2-0.6	0.08-0.11	6.6-8.6	<2	Moderate-----	0.15		
	17	---	---	---	---	---	----------	----		
931*:										
Old Camp-------- extremely stony	0-7	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low----------	0.17	1	8
	7-17	25-35	0.2-0.6	0.08-0.11	6.6-8.6	<2	Moderate-----	0.15		
	17	---	---	---	---	---	----------	----		
Old Camp-------- stony	0-8	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low----------	0.17	1	8
	8-17	25-35	0.2-0.6	0.08-0.11	6.6-8.6	<2	Moderate-----	0.15		
	17	---	---	---	---	---	----------	----		
Rock outcrop.										
932---------- Old Camp	0-7	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low----------	0.17	1	8
	7-17	25-35	0.2-0.6	0.08-0.11	6.6-8.6	<2	Moderate-----	0.15		
	17	---	---	---	---	---	----------	----		
960, 961--------- Kayo	0-11	5-12	2.0-6.0	0.05-0.09	6.1-7.3	<2	Low----------	0.17	5	4
	11-22	13-18	2.0-6.0	0.05-0.08	6.1-7.3	<2	Low----------	0.17		
	22-60	2-10	6.0-20	0.04-0.07	6.6-8.4	<2	Low----------	0.10		
962---------- Kayo	0-10	5-12	2.0-6.0	0.05-0.09	6.1-7.3	<2	Low----------	0.15	5	5
	10-25	13-18	2.0-6.0	0.05-0.08	6.1-7.3	<2	Low----------	0.17		
	25-60	2-10	6.0-20	0.04-0.07	6.6-8.4	<2	Low----------	0.10		
963---------- Kayo	0-11	5-12	2.0-6.0	0.05-0.09	6.1-7.3	<2	Low----------	0.15	5	5
	11-22	13-18	2.0-6.0	0.05-0.08	6.1-7.3	<2	Low----------	0.17		
	22-60	2-10	6.0-20	0.04-0.07	6.6-8.4	<2	Low----------	0.10		
971---------- Aladshi	0-7	5-15	0.6-2.0	0.09-0.13	6.1-7.3	<2	Low----------	0.28	5	3
	7-34	18-27	0.2-0.6	0.13-0.18	6.6-8.4	<2	Moderate-----	0.28		
	34-60	8-18	2.0-6.0	0.05-0.12	7.9-8.4	<2	Low----------	0.24		
974---------- Aladshi	0-6	5-15	0.6-2.0	0.07-0.09	6.1-7.3	<2	Low----------	0.24	5	4
	6-34	18-27	0.2-0.6	0.13-0.18	6.6-8.4	<2	Moderate-----	0.28		
	34-60	8-18	2.0-6.0	0.05-0.12	7.9-8.4	<2	Low----------	0.24		
980---------- Koontz	0-5	12-22	0.6-2.0	0.08-0.09	5.6-7.8	<2	Low----------	0.32	2	6
	5-18	25-35	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate-----	0.24		
	18	---	---	---	---	---	----------	----		
982---------- Koontz	0-6	12-22	0.6-2.0	0.10-0.12	6.6-7.8	<2	Low----------	0.28	2	8
	6-18	25-35	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate-----	0.24		
	18	---	---	---	---	---	----------	----		
990*. Rock outcrop										
991*: Xeric Torriorthents.										
Urban land.										

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
992*. Playas										
993*. Haplaquolls										
994*: Badland.										
Chalco----------	0-3	27-35	0.2-0.6	0.13-0.16	6.1-7.8	<2	Moderate-----	0.17	1	7
	3-15	40-60	<0.06	0.12-0.15	6.1-7.8	<2	High----------	0.24		
	15	---	---	---	---	---	----------	----		
Verdico---------	0-2	8-18	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low----------	0.28	2	6
	2-22	45-60	<0.06	0.13-0.18	6.1-7.3	<2	High----------	0.28		
	22-29	45-60	<0.06	0.13-0.18	6.6-7.8	<2	High----------	0.24		
	29-60	---	---	---	---	---	----------	----		
996*: Dune land.										
Playas.										
997*. Badland										
998*. Beaches										
1010---------- Gabica	0-14	5-15	2.0-6.0	0.06-0.09	5.6-7.3	<2	Low----------	0.17	1	8
	14-19	24-35	0.2-0.6	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
	19	---	---	---	---	---	----------	----		
1040---------- Orr Variant	0-18	5-15	0.6-2.0	0.10-0.12	6.1-7.3	<2	Low----------	0.17	5	4
	18-39	20-35	0.2-0.6	0.14-0.18	6.6-8.4	<4	Moderate-----	0.32		
	39-65	20-35	0.2-0.6	0.16-0.18	7.4-8.4	<4	Moderate-----	0.43		
1041---------- Orr Variant	0-10	5-15	0.6-2.0	0.10-0.12	6.1-7.3	<2	Low----------	0.20	5	3
	10-31	20-35	0.2-0.6	0.14-0.18	6.6-8.4	<4	Moderate-----	0.32		
	31-60	20-35	0.2-0.6	0.16-0.18	7.4-8.4	<4	Moderate-----	0.43		
1050---------- Waspo	0-7	45-60	<0.06	0.15-0.18	6.1-7.3	<2	High----------	0.32	3	4
	7-24	45-60	<0.06	0.15-0.18	6.1-7.8	<2	High----------	0.28		
	24-35	---	---	---	---	---	----------	----		
1051---------- Waspo	0-7	45-60	<0.06	0.15-0.18	6.1-7.3	<2	High----------	0.28	3	5
	7-24	45-60	<0.06	0.15-0.18	6.1-7.8	<2	High----------	0.28		
	24-35	---	---	---	---	---	----------	----		
1052*: Waspo----------	0-9	45-60	<0.06	0.15-0.18	6.1-7.3	<2	High----------	0.28	3	5
	9-26	45-60	<0.06	0.15-0.18	6.1-7.8	<2	High----------	0.28		
	26-35	---	---	---	---	---	----------	----		
Rock outcrop.										
1054---------- Waspo	0-6	45-60	<0.06	0.15-0.18	6.1-7.3	<2	High----------	0.32	3	5
	6-23	45-60	<0.06	0.15-0.18	6.1-7.8	<2	High----------	0.28		
	23-35	---	---	---	---	---	----------	----		
1060*, 1062*: Witefels---------	0-8	0-5	6.0-20	0.04-0.06	5.1-6.5	<2	Low----------	0.10	2	3
	8-35	3-10	6.0-20	0.05-0.07	5.1-6.5	<2	Low----------	0.10		
	35	---	---	---	---	---	----------	----		
Rock outcrop.										

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1080---------- Inville Variant	0-8	8-15	0.6-2.0	0.07-0.09	5.6-6.5	<2	Low----------	0.20	5	4
	8-25	15-25	0.2-0.6	0.10-0.12	5.6-6.5	<2	Moderate-----	0.20		
	25-78	18-30	0.2-0.6	0.11-0.14	5.6-6.5	<2	Moderate-----	0.24		
1090, 1091------- Railcity	0-6	2-5	6.0-20	0.05-0.06	5.6-6.5	<2	Low----------	0.10	5	6
	6-60	2-8	6.0-20	0.05-0.08	5.6-6.5	<2	Low----------	0.15		
1100*:										
Graylock--------	0-10	1-5	6.0-20	0.06-0.09	4.5-6.0	<2	Low----------	0.10	4	8
	10-60	0-5	6.0-20	0.03-0.08	4.5-5.0	<2	Low----------	0.10		
	60	---	---	---	---	---	----------	----		
Temo----------	0-10	2-8	6.0-20	0.05-0.07	5.6-6.5	<2	Low----------	0.15	1	5
	10-16	2-8	6.0-20	0.05-0.07	5.6-6.5	<2	Low----------	0.17		
	16	---	---	---	---	---	----------	----		
Rock outcrop.										
1120---------- Apmat	0-10	2-10	6.0-20	0.04-0.06	5.6-7.3	<2	Low----------	0.10	5	4
	10-21	5-12	6.0-20	0.04-0.06	5.6-7.3	<2	Low----------	0.15		
	21-55	10-18	2.0-6.0	0.05-0.07	5.6-7.3	<2	Low----------	0.17		
	55-60	5-12	6.0-20	0.02-0.04	5.6-7.3	<2	Low----------	0.10		
1121---------- Apmat	0-10	5-10	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low----------	0.20	5	4
	10-21	5-12	6.0-20	0.04-0.06	5.6-7.3	<2	Low----------	0.15		
	21-55	10-18	2.0-6.0	0.05-0.07	5.6-7.3	<2	Low----------	0.17		
	55-60	5-12	6.0-20	0.02-0.04	5.6-7.3	<2	Low----------	0.10		
1130---------- Dithod	0-15	8-18	2.0-6.0	0.12-0.14	6.6-7.8	<2	Low----------	0.24	5	4
	15-60	18-27	0.2-0.6	0.15-0.17	6.6-8.4	<2	Moderate-----	0.32		
1141, 1142------- Bedell	0-15	4-10	6.0-20.0	0.08-0.09	6.1-7.3	<2	Low----------	0.10	5	2
	15-54	12-18	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	54-65	3-14	6.0-20.0	0.06-0.10	6.1-7.3	<2	Low----------	0.10		
1143---------- Bedell	0-14	4-10	6.0-20.0	0.08-0.09	6.1-7.3	<2	Low----------	0.10	5	2
	14-50	12-18	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	50-60	3-14	6.0-20.0	0.06-0.10	6.1-7.3	<2	Low----------	0.10		
1160---------- Jowec	0-2	27-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate-----	0.43	5	7
	2-20	40-50	0.06-0.2	0.16-0.19	6.1-7.3	<2	High----------	0.37		
	20-38	30-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	High----------	0.32		
	38-60	15-20	0.6-2.0	0.12-0.14	7.4-9.0	<2	Low----------	0.32		
1161---------- Jowec	0-2	12-18	2.0-6.0	0.10-0.13	6.1-7.3	<2	Low----------	0.28	5	3
	2-20	40-50	0.06-0.2	0.16-0.19	6.1-7.3	<2	High----------	0.37		
	20-38	30-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	High----------	0.32		
	38-60	15-20	0.6-2.0	0.12-0.14	7.4-9.0	<2	Low----------	0.32		
1170---------- Wedertz	0-6	8-15	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low----------	0.17	5	3
	6-22	20-30	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate-----	0.24		
	22-34	10-18	0.2-0.6	0.08-0.13	6.1-7.3	<2	Low----------	0.17		
	34-60	4-10	6.0-20	0.05-0.09	6.1-7.3	<2	Low----------	0.10		
1171---------- Wedertz	0-8	8-15	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low----------	0.17	5	3
	8-31	20-30	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate-----	0.24		
	31-38	10-18	0.2-0.6	0.08-0.13	6.1-7.3	<2	Low----------	0.17		
	38-60	4-10	6.0-20	0.05-0.09	6.1-7.3	<2	Low----------	0.10		
1172---------- Wedertz	0-7	2-8	>20	0.06-0.08	6.1-7.3	<2	Low----------	0.10	5	1
	7-25	20-30	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate-----	0.24		
	25-31	10-18	0.2-0.6	0.08-0.13	6.1-7.3	<2	Low----------	0.17		
	31-60	4-10	6.0-20	0.05-0.09	6.1-7.3	<2	Low----------	0.10		
1181*:										
Haypress--------	0-15	3-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10	3	---
	15-46	0-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10		
	46	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1181*:										
Tanob----------	0-17	5-12	6.0-20.0	0.05-0.07	5.1-6.5	<2	Low----------	0.10	3	3
	17-28	8-18	0.6-2.0	0.07-0.09	5.6-6.5	<2	Low----------	0.17		
	28	---	---	---	---	---	----------	----		
Rock outcrop.										
1182*:										
Haypress--------	0-15	3-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10	3	---
	15-40	0-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10		
	40	---	---	---	---	---	----------	----		
Tanob----------	0-17	5-12	6.0-20.0	0.05-0.07	5.1-6.5	<2	Low----------	0.10	3	3
	17-28	8-18	0.6-2.0	0.07-0.09	5.6-6.5	<2	Low----------	0.17		
	28	---	---	---	---	---	----------	----		
Rock outcrop.										
1183*:										
Haypress--------	0-14	3-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10	3	---
	14-49	0-8	6.0-20	0.04-0.07	5.6-6.5	<2	Low----------	0.10		
	49	---	---	---	---	---	----------	----		
Rock outcrop.										
1190, 1191------- Spasprey	0-2	3-12	2.0-20.0	0.06-0.11	6.6-7.3	<2	Low----------	0.15	3	2
	2-12	20-35	0.2-0.6	0.15-0.18	6.6-7.8	<2	Moderate-----	0.24		
	12-29	5-12	0.6-2.0	0.07-0.10	7.9-8.4	<4	Low----------	0.15		
	29-46	---	---	---	---	---	----------	----		
	46-60	5-12	2.0-6.0	0.06-0.11	7.9-8.4	<4	Low----------	0.15		
1192---------- Spasprey	0-6	3-12	2.0-20.0	0.06-0.11	6.6-7.3	<2	Low----------	0.15	3	2
	6-14	20-35	0.2-0.6	0.15-0.18	6.6-7.8	<2	Moderate-----	0.24		
	14-30	5-12	0.6-2.0	0.07-0.10	7.9-8.4	<4	Low----------	0.15		
	30-47	---	---	---	---	---	----------	----		
	47-60	5-12	2.0-6.0	0.06-0.11	7.9-8.4	<4	Low----------	0.15		
1193---------- Spasprey	0-2	3-12	2.0-20.0	0.06-0.11	6.6-7.3	<2	Low----------	0.15	3	2
	2-12	20-35	0.2-0.6	0.15-0.18	6.6-7.8	<2	Moderate-----	0.24		
	12-29	5-12	0.6-2.0	0.07-0.10	7.9-8.4	<4	Low----------	0.15		
	29-46	---	---	---	---	---	----------	----		
	46-60	5-12	2.0-6.0	0.06-0.11	7.9-8.4	<4	Low----------	0.15		
1194---------- Spasprey	0-3	10-15	2.0-6.0	0.10-0.14	6.6-7.3	<2	Low----------	0.20	3	5
	3-14	20-35	0.2-0.6	0.15-0.18	6.6-7.8	<2	Moderate-----	0.24		
	14-23	5-12	0.6-2.0	0.07-0.10	7.9-8.4	<4	Low----------	0.15		
	23-40	---	---	---	---	---	----------	----		
	40-60	5-12	2.0-6.0	0.06-0.11	7.9-8.4	<4	Low----------	0.15		
1200---------- Mellor	0-11	12-20	0.6-2.0	0.12-0.15	7.9-9.0	8-16	Low----------	0.55	5	6
	11-26	27-35	0.06-0.2	0.15-0.18	>8.4	>16	Moderate-----	0.43		
	26-60	20-30	0.06-0.2	0.14-0.16	>7.8	>16	Moderate-----	0.43		
1210, 1211------- Linhart	0-14	2-5	6.0-20	0.05-0.08	6.1-7.3	<2	Low----------	0.10	5	3
	14-60	2-8	6.0-20	0.02-0.05	6.1-7.3	<2	Low----------	0.10		
1220---------- Calpine	0-19	5-15	2.0-6.0	0.09-0.12	5.6-6.5	<2	Low----------	0.17	5	3
	19-45	5-15	2.0-6.0	0.10-0.13	5.6-6.5	<2	Low----------	0.20		
	45-65	4-10	6.0-20	0.05-0.09	6.1-7.3	<2	Low----------	0.20		
1240---------- Pizene	0-6	5-10	2.0-6.0	0.10-0.12	>7.8	<2	Low----------	0.28	5	3
	6-21	18-25	0.2-0.6	0.12-0.15	>8.4	2-8	Moderate-----	0.24		
	21-60	5-10	2.0-6.0	0.13-0.16	7.9-9.0	<2	Low----------	0.32		
1250---------- Rednik	0-6	5-15	2.0-6.0	0.05-0.06	7.4-9.0	<2	Low----------	0.20	5	5
	6-20	18-27	0.2-0.6	0.03-0.07	7.4-9.0	4-8	Low----------	0.20		
	20-65	0-15	>20	0.03-0.05	>8.4	2-8	Low----------	0.15		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1251---------- Rednik	0-6	5-15	2.0-6.0	0.05-0.06	7.4-9.0	<2	Low----------	0.20	5	6
	6-20	18-27	0.2-0.6	0.03-0.07	7.4-9.0	4-8	Low----------	0.20		
	20-65	0-15	>20	0.03-0.05	>8.4	2-8	Low----------	0.15		
1260*:										
Thulepah---------	0-6	10-20	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low----------	0.28	5	7
	6-28	27-35	0.2-0.6	0.14-0.17	6.1-7.3	<2	Moderate-----	0.24		
	28-60	27-40	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate-----	0.24		
Mosquet---------	0-5	10-20	2.0-6.0	0.11-0.13	6.6-7.3	<2	Low----------	0.20	1	5
	5-14	35-50	0.06-0.2	0.13-0.15	6.1-7.3	<2	High---------	0.15		
	14	---	---	---	---	---	----------	----		
1270*:										
Tristan---------	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low----------	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate-----	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate-----	0.10		
	49	---	---	---	---	---	----------	----		
Indiano---------	0-13	8-20	0.6-2.0	0.12-0.16	6.1-7.3	<2	Low----------	0.32	3	6
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate-----	0.28		
	33	---	---	---	---	---	----------	----		
Lemm----------	0-19	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.17	5	6
	19-40	10-18	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low----------	0.20		
	40-60	3-8	6.0-20	0.06-0.08	5.6-7.3	<2	Low----------	0.10		
1271*:										
Tristan---------	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low----------	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate-----	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate-----	0.10		
	49	---	---	---	---	---	----------	----		
Barshaad--------	0-1	10-25	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low----------	0.20	2	8
	1-24	40-60	<0.06	0.10-0.14	6.6-8.4	<2	High---------	0.20		
	24	---	---	---	---	---	----------	----		
Arzo----------	0-2	20-27	0.2-0.6	0.06-0.13	6.6-8.4	<2	Moderate-----	0.24	2	8
	2-27	35-45	0.06-0.2	0.13-0.16	6.6-8.4	<2	High---------	0.28		
	27-35	15-27	0.2-0.6	0.06-0.16	6.6-8.4	<2	Moderate-----	0.32		
	35	---	---	---	---	---	----------	----		
1272*:										
Tristan---------	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low----------	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate-----	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate-----	0.10		
	49	---	---	---	---	---	----------	----		
Arzo----------	0-2	20-27	0.2-0.6	0.06-0.13	6.6-8.4	<2	Moderate-----	0.24	2	8
	2-27	35-45	0.06-0.2	0.13-0.16	6.6-8.4	<2	High---------	0.28		
	27-35	15-27	0.2-0.6	0.06-0.16	6.6-8.4	<2	Moderate-----	0.32		
	35	---	---	---	---	---	----------	----		
Reywat----------	0-6	10-18	0.6-2.0	0.12-0.14	7.4-7.8	<2	Low----------	0.28	1	8
	6-18	24-35	0.2-0.6	0.14-0.16	7.4-8.4	<2	Moderate-----	0.15		
	18	---	---	---	---	---	----------	----		
1273*:										
Tristan---------	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low----------	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate-----	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate-----	0.10		
	49	---	---	---	---	---	----------	----		
Barshaad--------	0-1	10-25	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low----------	0.20	2	8
	1-24	40-60	<0.06	0.10-0.14	6.6-8.4	<2	High---------	0.20		
	24	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1273*:										
Frodo----------	0-6	15-27	0.6-2.0	0.03-0.11	6.1-7.3	<2	Moderate-----	0.20	1	8
	6-18	35-60	0.06-0.2	0.11-0.17	6.6-8.4	<2	High---------	0.17		
	18-23	---	---	---	---	---	----------	----		
	23-30	---	---	---	---	---	----------	----		
1290---------- Parran	0-5	32-40	<0.2	0.16-0.18	>7.8	>16	Moderate-----	0.37	5	7
	5-60	40-55	<0.06	0.14-0.16	>7.8	>16	High---------	0.37		
1300---------- Rose Creek Variant	0-5	10-15	0.6-2.0	0.10-0.13	7.9-9.0	<2	Low----------	0.24	5	3
	5-12	10-18	0.2-0.6	0.13-0.16	7.9-9.0	<2	Low----------	0.37		
	12-60	10-18	0.2-0.6	0.10-0.13	7.9-9.0	<2	Low----------	0.24		
1301---------- Rose Creek Variant	0-5	5-10	0.6-2.0	0.07-0.10	7.9-9.0	<2	Low----------	0.20	5	2
	5-12	10-18	0.2-0.6	0.13-0.16	7.9-9.0	<2	Low----------	0.37		
	12-60	10-18	0.2-0.6	0.10-0.13	7.9-9.0	<2	Low----------	0.24		
1310---------- Bango	0-2	5-10	2.0-6.0	0.09-0.12	7.9-9.0	4-8	Low----------	0.20	5	4
	2-10	20-30	0.2-0.6	0.15-0.18	7.9-9.0	4-8	Moderate-----	0.37		
	10-60	18-25	0.2-0.6	0.15-0.16	7.9-9.0	4-8	Moderate-----	0.43		
1320*:										
Osobb----------	0-2	12-18	2.0-6.0	0.05-0.07	7.4-9.0	<2	Low----------	0.17	1	8
	2-11	12-18	2.0-6.0	0.05-0.07	>7.8	2-4	Low----------	0.24		
	11-13	---	---	---	---	---	----------	----		
	13	---	---	---	---	---	----------	----		
Rezave----------	0-4	12-18	0.6-2.0	0.06-0.08	6.6-8.4	<2	Low----------	0.24	1	8
	4-13	35-55	0.06-0.2	0.12-0.15	7.9-9.0	2-4	High---------	0.37		
	13-19	35-45	0.2-0.6	0.09-0.12	>8.4	2-8	Moderate-----	0.37		
	19	---	---	---	---	---	----------	----		
Fireball--------	0-3	10-18	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low----------	0.24	3	8
	3-24	18-35	0.6-2.0	0.08-0.10	>8.4	<2	Moderate-----	0.28		
	24-47	10-18	2.0-6.0	0.04-0.06	>8.4	<2	Low----------	0.32		
	47	---	---	---	---	---	----------	----		
1330*:										
Sutcliff--------	0-5	15-27	0.6-2.0	0.05-0.08	7.9-8.4	<2	Low----------	0.28	3	8
	5-25	28-35	0.2-0.6	0.09-0.11	7.9-9.0	<2	Moderate-----	0.28		
	25-42	15-27	0.6-2.0	0.08-0.10	>8.4	<2	Low----------	0.37		
	42-53	---	---	---	---	---	----------	----		
Kleinbush-------	0-5	1-7	6.0-20	0.03-0.06	7.4-8.4	<2	Low----------	0.17	5	8
	5-38	35-60	0.06-0.2	0.15-0.18	>7.8	2-8	Moderate-----	0.37		
	38-60	15-30	0.06-0.2	0.11-0.14	>7.8	8-16	Moderate-----	0.32		
Washoe----------	0-11	10-18	0.6-2.0	0.06-0.08	6.1-7.3	<2	Low----------	0.10	3	8
	11-42	18-27	0.2-0.6	0.07-0.10	6.1-7.3	<2	Moderate-----	0.17		
	42-60	3-10	>20	0.03-0.05	6.1-7.3	<2	Low----------	0.10		
1331*:										
Sutcliff--------	0-5	15-27	0.6-2.0	0.05-0.08	7.9-8.4	<2	Low----------	0.28	3	8
	5-25	28-35	0.2-0.6	0.09-0.11	7.9-9.0	<2	Moderate-----	0.28		
	25-42	15-27	0.6-2.0	0.08-0.10	>8.4	<2	Low----------	0.37		
	42-53	---	---	---	---	---	----------	----		
Bundorf---------	0-2	10-27	0.6-2.0	0.04-0.07	7.9-9.0	<2	Low----------	0.28	1	8
	2-10	35-50	0.06-0.2	0.16-0.18	7.9-9.0	<2	High---------	0.32		
	10-19	15-35	0.06-0.2	0.09-0.11	>8.4	<2	High---------	0.28		
	19-27	---	---	---	---	---	----------	----		
Kleinbush-------	0-5	1-7	6.0-20	0.03-0.06	7.4-8.4	<2	Low----------	0.17	5	8
	5-38	35-60	0.06-0.2	0.15-0.18	>7.8	2-8	Moderate-----	0.37		
	38-60	15-30	0.06-0.2	0.11-0.14	>7.8	8-16	Moderate-----	0.32		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1340*:										
Hawsley	0-8	0-5	>20	0.06-0.08	6.6-8.4	<2	Low	0.10	5	1
	8-42	0-5	>20	0.06-0.08	7.4-9.0	<2	Low	0.10		
	42-60	0-5	>20	0.06-0.08	7.4-9.0	<2	Low	0.10		
Ruhe	0-6	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low	0.15	1	3
	6-14	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low	0.15		
	14-35	---	---	---	---	---	---	---		
	35-60	0-5	6.0-20	0.01-0.03	>7.8	4-8	Low	0.15		
Bluewing	0-9	3-10	>6.0	0.04-0.05	7.4-9.0	<2	Low	0.15	5	4
	9-60	3-10	>20	0.04-0.06	7.4-9.0	<4	Low	0.10		
1341*:										
Isolde	0-6	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.28	5	1
	6-60	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.24		
Dune land.										
1342*:										
Isolde	0-6	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.28	5	1
	6-60	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.24		
Playas.										
1344*:										
Isolde	0-6	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.28	5	1
	6-60	0-5	>20	0.06-0.09	6.6-8.4	<2	Low	0.24		
Toulon	0-6	10-12	2.0-6.0	0.06-0.10	7.9-9.0	2-4	Low	0.28	1	7
	6-13	12-15	2.0-6.0	0.06-0.08	7.9-9.0	2-4	Low	0.20		
	13-60	0-3	>20	0.03-0.06	7.9-9.0	2-4	Low	0.10		
1345 Hawsley	0-8	0-5	>20	0.06-0.08	6.6-8.4	<2	Low	0.10	5	1
	8-42	0-5	>20	0.06-0.08	7.4-9.0	<2	Low	0.10		
	42-60	0-5	>20	0.06-0.08	7.4-9.0	<2	Low	0.10		
1350*:										
Stumble	0-2	3-10	6.0-20	0.06-0.08	7.4-8.4	<2	Low	0.17	5	2
	2-24	3-10	6.0-20	0.06-0.08	7.9-8.4	<4	Low	0.17		
	24-60	3-10	6.0-20	0.04-0.06	7.9-9.0	<8	Low	0.15		
Ruhe	0-6	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low	0.15	1	3
	6-14	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low	0.15		
	14-35	---	---	---	---	---	---	---		
	35-60	0-5	6.0-20	0.01-0.03	>7.8	4-8	Low	0.15		
Bluewing	0-9	3-10	>6.0	0.04-0.05	7.4-9.0	<2	Low	0.15	5	4
	9-54	3-10	>20	0.04-0.06	7.4-9.0	<4	Low	0.10		
1351 Stumble	0-6	3-10	6.0-20	0.06-0.08	7.4-8.4	<2	Low	0.17	5	2
	6-29	3-10	6.0-20	0.06-0.08	7.9-8.4	<4	Low	0.17		
	29-50	3-10	6.0-20	0.04-0.06	7.9-9.0	<8	Low	0.15		
1360*:										
Trocken	0-3	5-15	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low	0.20	5	5
	3-60	8-18	0.6-2.0	0.05-0.08	>6.5	2-4	Low	0.17		
Stumble	0-2	3-10	6.0-20	0.06-0.08	7.4-8.4	<2	Low	0.17	5	2
	2-24	3-10	6.0-20	0.06-0.08	7.9-8.4	<4	Low	0.17		
	24-60	3-10	6.0-20	0.04-0.06	7.9-9.0	<8	Low	0.15		
Bluewing	0-9	3-10	>6.0	0.04-0.05	7.4-9.0	<2	Low	0.15	5	4
	9-54	3-10	>20	0.04-0.06	7.4-9.0	<4	Low	0.10		
1361*:										
Trocken	0-3	5-15	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low	0.20	5	5
	3-60	8-18	0.6-2.0	0.05-0.08	>6.5	2-4	Low	0.17		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1361*:										
Ruhe----------	0-6	0-5	6.0-20	0.03-0.07	7.9-9.0	2-4	Low----------	0.15	1	4
	6-14	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low----------	0.15		
	14-35	---	---	---	---	---	----------	----		
	35-60	0-5	6.0-20	0.01-0.03	>7.8	4-8	Low----------	0.15		
Bluewing--------	0-9	3-10	>6.0	0.04-0.05	7.4-9.0	<2	Low----------	0.15	5	4
	9-54	3-10	>20	0.04-0.06	7.4-9.0	<4	Low----------	0.10		
1362*:										
Trocken---------	0-3	5-15	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low----------	0.20	5	5
	3-60	8-18	0.6-2.0	0.05-0.08	>6.5	2-4	Low----------	0.17		
Badland.										
1363---------- Trocken	0-3	5-15	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low----------	0.20	5	5
	3-60	8-18	0.6-2.0	0.05-0.08	>6.5	2-4	Low----------	0.17		
1364*:										
Trocken---------	0-3	5-15	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low----------	0.20	5	5
	3-60	8-18	0.6-2.0	0.05-0.08	>6.5	2-4	Low----------	0.17		
Wrango----------	0-8	0-8	>20	0.05-0.07	7.4-8.4	<2	Low----------	0.17	1	4
	8-60	0-8	>20	0.03-0.05	7.4-8.4	<2	Low----------	0.10		
1370*:										
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Fireball--------	0-3	10-18	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low----------	0.24	3	8
	3-24	18-35	0.6-2.0	0.08-0.10	>8.4	<2	Moderate-----	0.28		
	24-47	10-18	2.0-6.0	0.04-0.06	>8.4	<2	Low----------	0.32		
	47	---	---	---	---	---	----------	----		
Rednik----------	0-6	5-15	2.0-6.0	0.05-0.06	7.4-9.0	<2	Low----------	0.20	5	6
	6-20	18-27	0.2-0.6	0.03-0.07	7.4-9.0	4-8	Low----------	0.20		
	20-65	0-15	>20	0.03-0.05	>8.4	2-8	Low----------	0.15		
1371*:										
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Flex----------	0-3	8-18	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low----------	0.17	1	5
	3-10	18-27	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.17		
	10	---	---	---	---	---	----------	----		
Acrelane--------	0-6	8-15	2.0-6.0	0.08-0.12	5.6-6.5	<2	Low----------	0.17	1	4
	6-10	18-30	0.6-2.0	0.12-0.15	6.6-7.8	<2	Moderate-----	0.20		
	10	---	---	---	---	---	----------	----		
1372*:										
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Isolde----------	0-6	0-5	>20	0.06-0.09	6.6-8.4	<2	Low----------	0.28	5	1
	6-60	0-5	>20	0.06-0.09	6.6-8.4	<2	Low----------	0.24		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1373*:										
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Mizel----------	0-3	5-15	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low----------	0.17	1	5
	3-7	---	---	---	---	---	----------	----		
Stingdorn-------	0-4	18-27	0.6-2.0	0.04-0.07	7.9-8.4	<2	Low----------	0.24	1	8
	4-9	28-35	0.2-0.6	0.09-0.12	7.9-8.4	<2	Moderate-----	0.28		
	9-12	5-15	6.0-20	0.02-0.05	7.9-9.0	<2	Low----------	0.15		
	12-13	---	---	---	---	---	----------	----		
	13	---	---	---	---	---	----------	----		
1374*:										
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Fireball--------	0-3	10-18	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low----------	0.24	3	8
	3-24	18-35	0.6-2.0	0.08-0.10	>8.4	<2	Moderate-----	0.28		
	24-47	10-18	2.0-6.0	0.04-0.06	>8.4	<2	Low----------	0.32		
	47	---	---	---	---	---	----------	----		
Osobb----------	0-2	12-18	2.0-6.0	0.05-0.07	7.4-9.0	<2	Low----------	0.17	1	8
	2-11	12-18	2.0-6.0	0.05-0.07	>7.8	2-4	Low----------	0.24		
	11-13	---	---	---	---	---	----------	----		
	13	---	---	---	---	---	----------	----		
1380*:										
Stingdorn-------	0-4	18-27	0.6-2.0	0.04-0.07	7.9-8.4	<2	Low----------	0.24	1	8
	4-9	28-35	0.2-0.6	0.09-0.12	7.9-8.4	<2	Moderate-----	0.28		
	9-12	5-15	6.0-20	0.02-0.05	7.9-9.0	<2	Low----------	0.15		
	12-13	---	---	---	---	---	----------	----		
	13	---	---	---	---	---	----------	----		
Singatse--------	0-2	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24	1	6
	2-6	5-15	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low----------	0.24		
	6-12	---	---	---	---	---	----------	----		
	12	---	---	---	---	---	----------	----		
Rock outcrop.										
1390*:										
Pirouette-------	0-3	10-18	0.6-2.0	0.07-0.09	7.9-9.0	<2	Low----------	0.24	1	8
	3-10	28-35	0.2-0.6	0.08-0.10	7.9-9.0	2-8	Moderate-----	0.24		
	10-15	5-10	2.0-20	0.04-0.06	>8.4	4-8	Low----------	0.17		
	15-16	---	---	---	---	---	----------	----		
	16	---	---	---	---	---	----------	----		
Osobb----------	0-4	12-18	2.0-6.0	0.05-0.07	7.4-9.0	<2	Low----------	0.32	1	8
	4-17	12-18	2.0-6.0	0.05-0.07	>7.8	2-4	Low----------	0.24		
	17-18	---	---	---	---	---	----------	----		
	18	---	---	---	---	---	----------	----		
Rock outcrop.										
1400*:										
Softscrabble----	0-9	10-20	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.15	5	7
	9-30	27-35	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate-----	0.20		
	30-78	25-40	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate-----	0.32		
	78-89	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1400*:										
Gabica----------	0-14	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.17	1	2
	14-19	24-35	0.2-0.6	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
	19	---	---	---	---	---	----------	----		
Burnborough-----	0-17	10-25	0.6-2.0	0.10-0.13	6.1-7.3	<2	Moderate-----	0.24	5	7
	17-60	18-35	0.6-2.0	0.08-0.11	6.1-7.3	<2	Moderate-----	0.28		
1401*:										
Softscrabble----	0-9	10-20	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.15	5	7
	9-30	27-35	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate-----	0.20		
	30-78	25-40	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate-----	0.32		
	78-89	---	---	---	---	---	----------	----		
Gabica----------	0-9	10-15	0.6-2.0	0.10-0.12	5.6-7.3	<2	Low----------	0.24	1	8
	9-19	24-35	0.2-0.6	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
	19	---	---	---	---	---	----------	----		
Sumine----------	0-6	15-20	0.6-2.0	0.12-0.14	6.6-7.3	<2	Low----------	0.32	2	7
	6-34	25-35	0.6-2.0	0.10-0.13	6.6-7.3	<2	Moderate-----	0.28		
	34	---	---	---	---	---	----------	----		
1410*:										
Burnborough-----	0-17	10-25	0.6-6.0	0.10-0.13	6.1-7.3	<2	Moderate-----	0.24	5	7
	17-60	18-35	0.6-2.0	0.08-0.11	6.1-7.3	<2	Moderate-----	0.28		
Ticino----------	0-11	5-15	2.0-6.0	0.11-0.14	6.1-7.3	<2	Low----------	0.28	2	4
	11-22	18-35	0.6-2.0	0.14-0.17	6.1-7.3	<2	Moderate-----	0.37		
	22	---	---	---	---	---	----------	----		
Gabica----------	0-14	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low----------	0.17	1	2
	14-19	24-35	0.2-0.6	0.05-0.09	5.6-7.3	<2	Low----------	0.15		
	19	---	---	---	---	---	----------	----		
1411*:										
Burnborough-----	0-17	10-25	0.6-6.0	0.10-0.13	6.1-7.3	<2	Moderate-----	0.24	5	7
	17-60	18-35	0.6-2.0	0.08-0.11	6.1-7.3	<2	Moderate-----	0.28		
Ticino----------	0-11	5-15	2.0-6.0	0.11-0.14	6.1-7.3	<2	Low----------	0.28	2	4
	11-22	18-35	0.6-2.0	0.14-0.17	6.1-7.3	<2	Moderate-----	0.37		
	22	---	---	---	---	---	----------	----		
Softscrabble----	0-9	10-20	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low----------	0.15	5	7
	9-30	27-35	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate-----	0.20		
	30-78	25-40	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate-----	0.32		
	78-89	---	---	---	---	---	----------	----		
1420*:										
Barshaad--------	0-1	10-25	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low----------	0.20	2	8
	1-24	40-60	<0.06	0.10-0.14	6.6-8.4	<2	High----------	0.20		
	24	---	---	---	---	---	----------	----		
Fugawee---------	0-9	10-20	2.0-6.0	0.08-0.10	5.6-6.5	<2	Low----------	0.15	2	8
	9-17	15-25	0.6-2.0	0.10-0.14	4.5-6.0	<2	Low----------	0.28		
	17-37	27-35	0.2-0.6	0.12-0.18	4.5-6.0	<2	Moderate-----	0.28		
	37	---	---	---	---	---	----------	----		
Duckhill Variant	0-8	10-18	2.0-6.0	0.06-0.09	6.6-7.3	<2	Low----------	0.15	1	5
	8-13	18-30	0.2-0.6	0.09-0.12	6.1-7.3	<2	Moderate-----	0.24		
	13	---	---	---	---	---	----------	----		
1430*:										
Fraval----------	0-9	12-20	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low----------	0.28	2	7
	9-27	20-35	0.6-2.0	0.10-0.12	5.6-6.5	<2	Moderate-----	0.24		
	27-40	---	---	---	---	---	----------	----		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1430*:										
Booford	0-8	10-20	0.6-2.0	0.11-0.13	6.1-7.3	<2	Low	0.37	2	6
	8-25	45-60	0.06-0.2	0.13-0.17	6.1-7.3	<2	High	0.20		
	25-45	---	---	---	---	---	---	---		
Jumbo	0-21	14-22	2.0-6.0	0.11-0.13	5.6-7.3	<2	Low	0.24	4	7
	21-54	20-30	2.0-6.0	0.09-0.11	5.6-7.3	<2	Moderate	0.24		
	54-70	---	---	---	---	---	---	---		
1431*:										
Fraval	0-9	12-20	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low	0.28	2	7
	9-27	20-35	0.6-2.0	0.10-0.12	5.6-6.5	<2	Moderate	0.24		
	27-40	---	---	---	---	---	---	---		
Hirschdale	0-6	15-27	0.2-2.0	0.06-0.12	6.1-7.3	<2	Moderate	0.20	2	8
	6-39	35-60	0.06-0.2	0.12-0.16	6.1-7.3	<2	High	0.24		
	39	---	---	---	---	---	---	---		
Duckhill Variant	0-8	10-18	2.0-6.0	0.06-0.09	6.6-7.3	<2	Low	0.15	1	5
	8-13	18-30	0.2-0.6	0.09-0.12	6.1-7.3	<2	Moderate	0.24		
	13	---	---	---	---	---	---	---		
1432*:										
Fraval	0-9	12-20	0.6-2.0	0.10-0.12	5.6-6.5	<2	Low	0.28	2	7
	9-27	20-35	0.6-2.0	0.10-0.12	5.6-6.5	<2	Moderate	0.24		
	27-40	---	---	---	---	---	---	---		
Hirschdale	0-6	15-27	0.2-2.0	0.06-0.12	6.1-7.3	<2	Moderate	0.20	2	8
	6-39	35-60	0.06-0.2	0.12-0.16	6.1-7.3	<2	High	0.24		
	39	---	---	---	---	---	---	---		
Jumbo	0-21	14-22	2.0-6.0	0.11-0.13	5.6-7.3	<2	Low	0.24	4	7
	21-54	20-30	2.0-6.0	0.09-0.11	5.6-7.3	<2	Moderate	0.24		
	54-70	---	---	---	---	---	---	---		
1440 Tallac	0-26	5-15	2.0-6.0	0.05-0.07	5.6-6.5	<2	Low	0.05	3	8
	26-45	5-15	2.0-6.0	0.03-0.06	5.6-6.5	<2	Low	0.10		
	45-60	5-15	2.0-6.0	0.03-0.06	5.6-6.5	<2	Low	0.10		
1441 Tallac	0-26	5-15	2.0-6.0	0.07-0.09	5.6-6.5	<2	Low	0.10	3	8
	26-45	5-15	2.0-6.0	0.03-0.06	5.6-6.5	<2	Low	0.10		
	45-60	5-15	2.0-6.0	0.03-0.06	5.6-6.5	<2	Low	0.10		
1450*:										
Meiss	0-7	---	2.0-6.0	0.09-0.15	5.6-6.5	<2	Low	0.15	1	8
	7-20	---	2.0-6.0	0.09-0.15	5.6-6.5	<2	Low	0.15		
	20	---	---	---	---	---	---	---		
Sibelia	0-6	10-18	2.0-6.0	0.02-0.08	6.1-7.3	<2	Low	0.10	3	8
	6-20	10-18	2.0-6.0	0.03-0.08	6.1-7.3	<2	Low	0.10		
	20-47	10-18	2.0-6.0	0.04-0.07	6.1-7.3	<2	Low	0.10		
	47	---	---	---	---	---	---	---		
Rock outcrop.										
1460*:										
Jorge	0-9	10-20	2.0-6.0	0.07-0.10	5.6-6.5	<2	Low	0.15	3	8
	9-24	10-25	2.0-6.0	0.07-0.09	5.6-6.5	<2	Low	0.15		
	24-52	20-35	0.6-2.0	0.06-0.10	4.5-6.0	<2	Low	0.20		
	52-65	10-20	2.0-6.0	0.05-0.08	5.1-6.0	<2	Low	0.15		
	65	---	---	---	---	---	---	---		
Boomtown	0-17	10-20	0.6-2.0	0.08-0.12	5.6-6.5	<2	Low	0.20	5	5
	17-22	10-20	0.2-0.6	0.10-0.15	5.6-6.5	<2	Low	0.28		
	22-53	35-50	0.06-0.2	0.12-0.16	5.6-6.5	<2	High	0.17		
	53-61	27-40	0.06-0.2	0.15-0.18	5.6-6.5	<2	Moderate	0.28		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1460*:										
Fugawee	0-5	10-20	2.0-6.0	0.07-0.09	5.6-6.5	<2	Low	0.10	2	8
	5-17	15-25	0.6-2.0	0.10-0.14	4.5-6.0	<2	Low	0.28		
	17-29	18-35	0.2-0.6	0.12-0.18	4.5-6.0	<2	Moderate	0.28		
	29	---	---	---	---	---	---	---		
1470*:										
Carioca	0-7	5-15	2.0-6.0	0.06-0.08	5.6-6.5	<2	Low	0.10	5	4
	7-30	5-15	2.0-6.0	0.06-0.08	5.6-6.5	<2	Low	0.10		
	30-56	15-30	0.6-2.0	0.09-0.11	5.6-6.5	<2	Moderate	0.28		
	56-65	15-27	0.6-2.0	0.10-0.13	5.6-6.5	<2	Moderate	0.28		
	65	---	---	---	---	---	---	---		
Sibelia Variant	0-21	8-18	2.0-6.0	0.10-0.12	5.6-6.0	<2	Low	0.28	5	5
	21-60	8-18	2.0-6.0	0.08-0.10	5.6-6.5	<2	Low	0.32		
Fugawee	0-9	10-20	2.0-6.0	0.07-0.09	5.6-6.5	<2	Low	0.10	2	8
	9-17	15-25	0.6-2.0	0.10-0.14	4.5-6.0	<2	Low	0.28		
	17-37	27-35	0.2-0.6	0.12-0.18	4.5-6.0	<2	Moderate	0.28		
	37	---	---	---	---	---	---	---		
1480*:										
Macareeno	0-11	10-27	0.6-6.0	0.13-0.17	6.1-7.3	<2	Moderate	0.28	5	5
	11-41	27-35	0.06-0.2	0.13-0.18	5.6-6.5	<2	Moderate	0.28		
	41-54	18-27	0.6-2.0	0.08-0.11	6.1-6.5	<2	Moderate	0.28		
Blackwell	0-11	5-15	0.6-2.0	0.13-0.16	6.1-7.3	<2	Low	0.24	5	---
	11-60	20-30	0.2-0.6	0.12-0.14	6.1-7.3	<2	Moderate	0.28		
Carioca	0-7	5-15	2.0-6.0	0.06-0.08	5.6-6.5	<2	Low	0.10	5	4
	7-30	5-15	2.0-6.0	0.06-0.08	5.6-6.5	<2	Low	0.10		
	30-56	15-30	0.6-2.0	0.09-0.11	5.6-6.5	<2	Moderate	0.28		
	56-65	15-27	0.6-2.0	0.10-0.13	5.6-6.5	<2	Moderate	0.28		
	65	---	---	---	---	---	---	---		
1490*:										
Arzo	0-2	20-27	0.2-0.6	0.06-0.13	6.6-8.4	<2	Moderate	0.24	2	8
	2-27	35-45	0.06-0.2	0.13-0.16	6.6-8.4	<2	High	0.28		
	27-35	15-27	0.2-0.6	0.06-0.16	6.6-8.4	<2	Moderate	0.32		
	35	---	---	---	---	---	---	---		
Indiano	0-13	5-15	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low	0.32	3	4
	13-33	20-35	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate	0.28		
	33	---	---	---	---	---	---	---		
Barnard	0-15	5-15	0.6-2.0	0.16-0.19	6.1-7.3	<2	Low	0.20	1	4
	15-26	40-50	0.06-0.2	0.13-0.16	6.1-7.3	<2	High	0.28		
	26	---	---	---	---	---	---	---		
1510*:										
Cagle	0-2	30-35	0.2-0.6	0.16-0.17	6.6-7.3	<2	Moderate	0.28	3	8
	2-16	40-50	0.06-0.2	0.13-0.15	6.6-7.3	<2	High	0.24		
	16-39	35-50	0.06-0.2	0.07-0.09	6.6-7.3	<2	High	0.24		
	39	---	---	---	---	---	---	---		
Nosrac	0-14	27-30	0.2-2.0	0.12-0.14	6.1-7.3	<2	Moderate	0.28	5	8
	14-38	25-35	0.2-0.6	0.10-0.12	6.1-7.3	<2	Low	0.32		
	38-60	18-30	0.6-2.0	0.09-0.10	6.1-7.3	<2	Moderate	0.28		
Old Camp	0-2	5-15	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low	0.17	1	8
	2-14	25-35	0.2-2.0	0.08-0.11	6.6-8.6	<2	Moderate	0.15		
	14	---	---	---	---	---	---	---		
1520*:										
Duco	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate	0.24		
	19	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1520*:										
Smallcone	0-6	5-15	6.0-20	0.02-0.07	5.1-6.0	<2	Low	0.10	1	6
	6	---	---	---	---	---	---	---		
Cagle	0-2	30-35	0.2-0.6	0.16-0.17	6.6-7.3	<2	Moderate	0.28	3	8
	2-16	40-50	0.06-0.2	0.13-0.15	6.6-7.3	<2	High	0.24		
	16-39	35-55	0.06-0.2	0.07-0.09	6.6-7.3	<2	High	0.24		
	39	---	---	---	---	---	---	---		
1521*:										
Duco	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate	0.24		
	19	---	---	---	---	---	---	---		
Yuko	0-2	15-27	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.24	1	6
	2-8	32-35	0.2-0.6	0.15-0.17	6.1-7.8	<2	Moderate	0.37		
	8	---	---	---	---	---	---	---		
Lemm	0-19	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low	0.17	5	6
	19-40	10-18	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low	0.20		
	40-60	3-8	6.0-20	0.06-0.08	5.6-7.3	<2	Low	0.10		
1522*:										
Duco	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate	0.24		
	19	---	---	---	---	---	---	---		
Pahrange	0-11	10-15	2.0-6.0	0.03-0.09	6.1-7.3	<2	Low	0.10	2	6
	11-26	27-35	0.2-0.6	0.11-0.14	6.1-7.3	<2	Moderate	0.24		
	26	---	---	---	---	---	---	---		
Lemm	0-19	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low	0.17	5	6
	19-40	10-18	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low	0.20		
	40-60	3-8	6.0-20	0.06-0.08	5.6-7.3	<2	Low	0.10		
1530*:										
Bombadil	0-4	10-15	2.0-6.0	0.10-0.12	6.6-7.8	<2	Low	0.24	1	5
	4-13	18-25	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32		
	13-20	---	---	---	---	---	---	---		
Hefed	0-2	10-20	6.0-20	0.03-0.08	6.6-7.8	<2	Low	0.10	5	6
	2-13	18-27	2.0-6.0	0.03-0.11	7.4-8.4	<2	Moderate	0.17		
	13-75	5-10	6.0-20	0.02-0.06	7.4-8.4	<2	Low	0.10		
Rubble land.										
1531*:										
Bombadil	0-4	10-15	2.0-6.0	0.10-0.12	6.6-7.8	<2	Low	0.24	1	5
	4-13	18-25	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32		
	13-20	---	---	---	---	---	---	---		
Hefed	0-2	10-20	6.0-20	0.03-0.08	6.6-7.8	<2	Low	0.10	5	6
	2-13	18-27	2.0-6.0	0.03-0.11	7.4-8.4	<2	Moderate	0.17		
	13-75	5-10	6.0-20	0.02-0.06	7.4-8.4	<2	Low	0.10		
Fireball	0-3	10-18	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low	0.24	3	8
	3-24	18-35	0.6-2.0	0.08-0.10	>8.4	<2	Moderate	0.28		
	24-47	10-18	2.0-6.0	0.04-0.06	>8.4	<2	Low	0.32		
	47	---	---	---	---	---	---	---		
1540*:										
McQuarrie	0-1	8-15	0.6-2.0	0.05-0.10	6.6-8.4	<2	Low	0.17	1	8
	1-8	20-35	0.6-2.0	0.15-0.17	7.4-8.4	<2	Low	0.37		
	8-18	20-35	0.6-2.0	0.13-0.17	7.4-8.4	<2	Low	0.32		
	18	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1540*:										
Tristan	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate	0.10		
	49	---	---	---	---	---	---	---		
Arzo	0-2	20-27	0.2-0.6	0.06-0.13	6.6-8.4	<2	Moderate	0.24	2	8
	2-27	35-45	0.06-0.2	0.13-0.16	6.6-8.4	<2	High	0.28		
	27-35	15-27	0.2-0.6	0.06-0.16	6.6-8.4	<2	Moderate	0.32		
	35	---	---	---	---	---	---	---		
1541*:										
McQuarrie	0-3	8-15	0.6-2.0	0.05-0.10	6.6-8.4	<2	Low	0.17	1	8
	3-9	20-35	0.6-2.0	0.15-0.17	7.4-8.4	<2	Low	0.37		
	9-13	20-35	0.6-2.0	0.13-0.17	7.4-8.4	<2	Low	0.32		
	13	---	---	---	---	---	---	---		
Duco	0-5	10-20	0.6-2.0	0.07-0.08	6.1-7.8	<2	Low	0.17	1	5
	5-19	27-35	0.2-0.6	0.08-0.10	6.1-7.8	<2	Moderate	0.24		
	19	---	---	---	---	---	---	---		
Tristan	0-7	10-20	0.6-2.0	0.07-0.08	6.6-7.8	<2	Low	0.28	3	8
	7-28	18-35	0.2-0.6	0.06-0.10	6.6-7.8	<2	Moderate	0.24		
	28-49	18-27	0.2-0.6	0.04-0.06	6.6-7.8	<2	Moderate	0.10		
	49	---	---	---	---	---	---	---		
1550*:										
Skedaddle	0-8	18-27	0.6-2.0	0.06-0.10	6.6-7.8	<2	Low	0.28	1	7
	8-11	---	---	---	---	---	---	---		
	8-20	---	---	---	---	---	---	---		
Pahrange	0-11	10-15	2.0-6.0	0.03-0.09	6.1-7.3	<2	Low	0.10	2	6
	11-26	27-35	0.2-0.6	0.11-0.14	6.1-7.3	<2	Moderate	0.24		
	26	---	---	---	---	---	---	---		
Lemm	0-19	5-15	2.0-6.0	0.06-0.08	5.6-7.3	<2	Low	0.17	5	6
	19-40	10-18	2.0-6.0	0.08-0.10	5.6-7.3	<2	Low	0.20		
	40-60	3-8	6.0-20	0.06-0.08	5.6-7.3	<2	Low	0.10		
1570*:										
Bluewing	0-7	3-10	>6.0	0.04-0.05	7.4-9.0	<2	Low	0.15	5	4
	7-60	3-10	>20	0.04-0.06	7.4-9.0	<4	Low	0.10		
Biddleman	0-3	8-15	2.0-6.0	0.08-0.11	7.9-9.0	2-4	Low	0.32	1	4
	3-8	20-30	0.2-0.6	0.12-0.14	7.9-9.0	2-4	Moderate	0.37		
	8-60	2-10	>20	0.03-0.05	7.9-9.0	<2	Low	0.10		
Bundorf	0-2	10-27	0.6-2.0	0.04-0.07	7.9-9.0	<2	Low	0.28	1	8
	2-10	35-50	0.06-0.2	0.16-0.18	7.9-9.0	<2	High	0.32		
	10-19	15-35	0.06-0.2	0.09-0.11	>8.4	<2	High	0.28		
	19-27	---	---	---	---	---	---	---		
1580*:										
Frodo	0-6	15-27	0.6-2.0	0.03-0.11	6.1-7.3	<2	Moderate	0.20	1	8
	6-18	35-60	0.06-0.2	0.11-0.17	6.6-8.4	<2	High	0.17		
	18-23	---	---	---	---	---	---	---		
	23-30	---	---	---	---	---	---	---		
Xman	0-2	12-18	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low	0.32	1	5
	2-14	40-50	0.06-0.2	0.14-0.16	6.1-7.8	<2	High	0.24		
	14-29	---	---	---	---	---	---	---		
	29	---	---	---	---	---	---	---		
Oppio	0-3	8-20	2.0-6.0	0.07-0.11	5.6-7.3	<2	Low	0.28	3	4
	3-21	35-50	0.06-0.2	0.14-0.17	5.6-7.3	<2	High	0.20		
	21	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors K	Erosion factors T	Wind erodibility group
	In	Pct	In/hr	In/in	pH	Mmhos/cm				
1590---------- Ruhe	0-6	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low----------	0.15	1	3
	6-14	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low----------	0.15		
	14-35	---	---	---	---	---	----------	----		
	35-60	0-5	6.0-20	0.01-0.03	>7.8	4-8	Low----------	0.15		
1600*:										
Wrango----------	0-8	0-8	>20	0.05-0.07	7.4-8.4	<2	Low----------	0.17	1	4
	8-60	0-8	>20	0.03-0.05	7.4-8.4	<2	Low----------	0.10		
Ruhe----------	0-6	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low----------	0.15	1	3
	6-14	0-5	6.0-20	0.04-0.09	7.9-9.0	2-4	Low----------	0.15		
	14-35	---	---	---	---	---	----------	----		
	35-60	0-5	6.0-20	0.01-0.03	>7.8	4-8	Low----------	0.15		

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 15.--WATER FEATURES

["Flooding" and "water table" and terms such as "rare," "brief," "apparent," and "perched" are explained in the text. The symbol < means less than; > means more than. Absence of an entry indicates that the feature is not a concern]

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
101, 102, 106 Aquinas	C	None	---	---	>6.0	---	---
110 Jowec Variant	D	None	---	---	>6.0	---	---
111*:							
Jowec Variant	D	None	---	---	>6.0	---	---
Greenbrae	C	None	---	---	>6.0	---	---
120 Doten	D	Rare	---	---	5.0-6.0	Apparent	Feb-May
121 Doten	D	None	---	---	>6.0	---	---
130, 131, 132, 134, 136 Greenbrae	C	None	---	---	>6.0	---	---
140, 141, 142 Haybourne	B	Rare	---	---	>6.0	---	---
150, 151 Doten Variant	D	None	---	---	5.0-6.0	Apparent	Feb-May
160, 161 Incy	A	None	---	---	>6.0	---	---
171, 172, 173, 174, 175 Indian Creek	D	None	---	---	>6.0	---	---
176*:							
Indian Creek	D	None	---	---	>6.0	---	---
Reno	D	None	---	---	>6.0	---	---
Washoe	B	None	---	---	>6.0	---	---
190, 191, 192 Manogue	D	None	---	---	>6.0	---	---
200, 201, 202, 203 Northmore	C	None	---	---	>6.0	---	---
210, 211 Luppino	D	None	---	---	>6.0	---	---
221, 222 Oppio	D	None	---	---	>6.0	---	---
223*:							
Oppio	D	None	---	---	>6.0	---	---
Rezave	D	None	---	---	>6.0	---	---
Rock outcrop.							
230 Cradlebaugh	D	Occasional	Brief to long	Mar-May	1.0-2.0	Apparent	Feb-Jun

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
240---------- Updike	D	None----------	---	---	5.0-6.0	Apparent	Feb-May
241---------- Updike	D	Rare----------	---	---	4.0-6.0	Apparent	Mar-Aug
250, 251, 252---------- Cassiro	C	None----------	---	---	>6.0	---	---
260*:							
Acrelane----------	C	None----------	---	---	>6.0	---	---
Rock outcrop.							
262---------- Acrelane	C	None----------	---	---	>6.0	---	---
280, 281, 282---------- Wedekind	D	None----------	---	---	>6.0	---	---
290, 291---------- Verdico Variant	D	None----------	---	---	>6.0	---	---
300---------- Surgem	C	None----------	---	---	>6.0	---	---
301*, 302*:							
Surgem----------	C	None----------	---	---	>6.0	---	---
Rock outcrop.							
310*, 311*:							
Risley----------	D	None----------	---	---	>6.0	---	---
Rock outcrop.							
312, 313---------- Risley	D	None----------	---	---	>6.0	---	---
314*:							
Risley----------	D	None----------	---	---	>6.0	---	---
Xman----------	D	None----------	---	---	>6.0	---	---
Rock outcrop.							
341---------- Yuko	D	None----------	---	---	>6.0	---	---
342*:							
Yuko----------	D	None----------	---	---	>6.0	---	---
Reywat----------	D	None----------	---	---	>6.0	---	---
Rock outcrop.							
350---------- Mizel	D	None----------	---	---	>6.0	---	---
351*:							
Mizel----------	D	None----------	---	---	>6.0	---	---
Skedaddle----------	D	None----------	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
360*. Pits							
370 Lemm	B	Rare	---	---	>6.0	---	---
390 Duckhill	D	None	---	---	>6.0	---	---
391*:							
Duckhill	D	None	---	---	>6.0	---	---
Hirschdale	C	None	---	---	>6.0	---	---
Fraval	C	None	---	---	>6.0	---	---
400, 401, 403 Jubilee Variant	C	Rare	---	---	1.5-3.0	Apparent	Dec-Apr
410, 411 Ophir	C	Rare	---	---	1.5-3.5	Apparent	Dec-May
420 Godecke	D	None	---	---	2.5-3.5	Apparent	Dec-Jun
423 Godecke Variant	D	None	---	---	>6.0	---	---
430, 431 Sagouspe Variant	C	Rare	---	---	0.5-3.0	Apparent	Jan-Jul
440, 441, 442, 443 Jubilee	C	Rare	---	---	1.5-2.5	Apparent	Dec-Jun
445 Jubilee	B	Rare	---	---	4.0-6.0	Apparent	Dec-Apr
450, 451, 452 Voltaire	D	Rare	---	---	0-1.5	Apparent	Feb-May
454 Voltaire	C	Rare	---	---	5.0-6.0	Apparent	Dec-May
455*:							
Voltaire	C	Rare	---	---	5.0-6.0	Apparent	Dec-May
Truckee	B	Rare	---	---	>6.0	---	---
456 Voltaire	D	Rare	---	---	3.5-6.0	Apparent	Feb-Jul
460, 461 Surprise	B	Rare	---	---	>6.0	---	---
470 Dalzell	C	None	---	---	3.5-5.0	Apparent	Mar-Jun
480, 482 Holbrook	B	Rare	---	---	>6.0	---	---
490 Graufels	C	None	---	---	>6.0	---	---
491*:							
Graufels	C	None	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
492 Graufels	C	None	---	---	>6.0	---	---
493*:							
Graufels	C	None	---	---	>6.0	---	---
Glenbrook	D	None	---	---	>6.0	---	---
494 Graufels	C	None	---	---	>6.0	---	---
495*:							
Graufels	C	None	---	---	>6.0	---	---
Glenbrook	D	None	---	---	>6.0	---	---
Rock outcrop.							
496*:							
Graufels	C	None	---	---	>6.0	---	---
Glenbrook	D	None	---	---	>6.0	---	---
Haypress	A	None	---	---	>6.0	---	---
500, 504 Mottsville	A	Rare	---	---	>6.0	---	---
505 Mottsville	A	None	---	---	>6.0	---	---
510 Settlemeyer	D	Rare	---	---	1.5-3.5	Apparent	Feb-Jul
513*:							
Settlemeyer	D	Rare	---	---	1.5-3.5	Apparent	Feb-Jul
Notus	A	Occasional	Very brief to brief.	Dec-Apr	4.0-6.0	Apparent	Dec-May
514 Settlemeyer	D	Rare	---	---	1.0-2.5	Apparent	Feb-Jul
520 Dressler	C	Rare	---	---	2.5-3.5	Apparent	Feb-May
530, 531 Sagouspe	C	Rare	---	---	3.0-3.5	Apparent	Feb-Aug
532 Sagouspe	C	Occasional	Brief	Jan-May	2.5-3.5	Apparent	Feb-Aug
550, 551, 553 Leviathan	B	None	---	---	>6.0	---	---
554, 557, 559 Leviathan	C	None	---	---	>6.0	---	---
570 Turria	C	Rare	---	---	>6.0	---	---
585*:							
Barnard	D	None	---	---	>6.0	---	---
Trosi	D	None	---	---	>6.0	---	---

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
590, 591, 595 Springmeyer	C	None	---	---	>6.0	---	---
600, 601 Idlewild	D	None	---	---	>6.0	---	---
602 Idlewild	D	Rare	---	---	2.5-5.0	Apparent	Jan-May
612, 613, 614, 615 Verdico	D	None	---	---	>6.0	---	---
620, 621 Orr	B	None	---	---	>6.0	---	---
622 Orr	C	None	---	---	>6.0	---	---
623, 624 Orr	B	None	---	---	>6.0	---	---
630 Fleischmann	D	None	---	---	>6.0	---	---
631 Fleischmann	D	None	---	---	>6.0	---	---
632 Fleischmann	D	None	---	---	>6.0	---	---
640 Notus	A	Occasional	Very brief to brief.	Dec-Apr	4.0-6.0	Apparent	Dec-May
650 Chalco	D	None	---	---	>6.0	---	---
651, 652, 653 Chalco	D	None	---	---	>6.0	---	---
654*:							
Chalco	D	None	---	---	>6.0	---	---
Celeton Variant	D	None	---	---	>6.0	---	---
660, 661, 662, 663, 664, 668, 669 Oest	B	None	---	---	>6.0	---	---
670, 671, 673, 674 Galeppi	B	None	---	---	>6.0	---	---
676*:							
Galeppi	B	None	---	---	>6.0	---	---
Barnard	D	None	---	---	>6.0	---	---
681, 683 Reno	D	None	---	---	>6.0	---	---
730, 731 Stodick	D	None	---	---	>6.0	---	---
740 Blackwell	D	Occasional	Very brief to brief.	Apr-Jun	0.5-2.5	Apparent	Mar-Jul

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
752*, 753*:							
Toiyabe	C	None	---	---	>6.0	---	---
Corbett	B	None	---	---	>6.0	---	---
Rock outcrop.							
754*:							
Toiyabe	C	None	---	---	>6.0	---	---
Rock outcrop.							
756*:							
Toiyabe	C	None	---	---	>6.0	---	---
Corbett	B	None	---	---	>6.0	---	---
Haypress	A	None	---	---	>6.0	---	---
772, 775 Booford	C	None	---	---	>6.0	---	---
780, 782 Bieber	D	None	---	---	>6.0	---	---
800 Truckee	C	Rare	---	---	2.5-5.0	Apparent	Dec-Jul
802 Truckee	C	Rare	---	---	2.5-5.0	Apparent	Dec-Jul
805 Truckee	C	Rare	---	---	>6.0	---	---
806 Truckee	C	Rare	---	---	2.5-5.0	Apparent	Dec-Jul
810, 812, 813 Rose Creek	B	Rare	---	---	4.0-6.0	Apparent	Feb-Jul
820, 821 Marla	D	Occasional	Brief	Nov-Apr	1.0-2.0	Apparent	Jan-Jun
830, 831 Fettic	D	Rare	---	---	1.5-3.5	Apparent	Dec-Aug
840*:							
Temo	C	None	---	---	>6.0	---	---
Witefels	B	None	---	---	>6.0	---	---
Rock outcrop.							
850 Washoe	B	None	---	---	>6.0	---	---
861, 862 Reywat	D	None	---	---	>6.0	---	---
863*:							
Reywat	D	None	---	---	>6.0	---	---
Rock outcrop.							
870*:							
Xman	D	None	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
871, 872 Xman	D	None	---	---	>6.0	---	---
873*:							
Xman	D	None	---	---	>6.0	---	---
Rock outcrop.							
875*:							
Xman	D	None	---	---	>6.0	---	---
875*:							
Zephan	C	None	---	---	>6.0	---	---
Mizel	D	None	---	---	>6.0	---	---
876*:							
Xman	D	None	---	---	>6.0	---	---
Oppio	D	None	---	---	>6.0	---	---
Old Camp	D	None	---	---	>6.0	---	---
877*:							
Xman	D	None	---	---	>6.0	---	---
Frodo	D	None	---	---	>6.0	---	---
Mizel	D	None	---	---	>6.0	---	---
880*:							
Zephan	C	None	---	---	>6.0	---	---
Rock outcrop.							
Smallcone	D	None	---	---	>6.0	---	---
881, 882 Zephan	C	None	---	---	>6.0	---	---
890, 891 Indiano	C	None	---	---	>6.0	---	---
892*:							
Indiano	C	None	---	---	>6.0	---	---
Koontz	D	None	---	---	>6.0	---	---
Flex	D	None	---	---	>6.0	---	---
893*:							
Indiano	C	None	---	---	>6.0	---	---
Duco	D	None	---	---	>6.0	---	---
Cagle	D	None	---	---	>6.0	---	---
894*:							
Indiano	C	None	---	---	>6.0	---	---
Duco	D	None	---	---	>6.0	---	---
Skedaddle	D	None	---	---	>6.0	---	---

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
895*:							
Indiano	C	None	---	---	>6.0	---	---
Zephan	C	None	---	---	>6.0	---	---
Duco	D	None	---	---	>6.0	---	---
900, 901, 903 Flex	D	None	---	---	>6.0	---	---
910, 911 Vamp	C	Rare	---	---	2.5-3.5	Apparent	Feb-Jul
930 Old Camp	D	None	---	---	>6.0	---	---
931*:							
Old Camp extremely stony	D	None	---	---	>6.0	---	---
Old Camp stony	D	None	---	---	>6.0	---	---
Rock outcrop.							
932 Old Camp	D	None	---	---	>6.0	---	---
960, 961, 962, 963 Kayo	B	Rare	---	---	>6.0	---	---
971, 974 Aladshi	B	Rare	---	---	>6.0	---	---
980, 982 Koontz	D	None	---	---	>6.0	---	---
990*. Rock outcrop							
991*:							
Xeric Torriorthents.							
Urban land.							
992*. Playas							
993*. Haplaquolls							
994*:							
Badland.							
Chalco	D	None	---	---	>6.0	---	---
Verdico	D	None	---	---	>6.0	---	---
996*:							
Dune land.							
Playas.							
997*. Badland							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
998*. Beaches							
1010 Gabica	D	None	---	---	>6.0	---	---
1040, 1041 Orr Variant	B	Rare	---	---	>6.0	---	---
1050, 1051 Waspo	D	None	---	---	>6.0	---	---
1052*:							
Waspo	D	None	---	---	>6.0	---	---
Rock outcrop.							
1054 Waspo	D	None	---	---	>6.0	---	---
1060*, 1062*:							
Witefels	B	None	---	---	>6.0	---	---
Rock outcrop.							
1080 Inville Variant	C	Rare	---	---	2.5-3.5	Apparent	Jan-Jun
1090, 1091 Railcity	A	None	---	---	>6.0	---	---
1100*:							
Graylock	B	None	---	---	>6.0	---	---
Temo	C	None	---	---	>6.0	---	---
Rock outcrop.							
1120, 1121 Apmat	B	None	---	---	>6.0	---	---
1130 Dithod	C	Rare	---	---	4.0-6.0	Apparent	Dec-Aug
1141, 1142, 1143 Bedell	B	Rare	---	---	>6.0	---	---
1160, 1161 Jowec	D	Rare	---	---	>6.0	---	---
1170, 1171, 1172 Wedertz	B	Rare	---	---	>6.0	---	---
1181*, 1182*:							
Haypress	A	None	---	---	>6.0	---	---
Tanob	B	None	---	---	>6.0	---	---
Rock outcrop.							
1183*:							
Haypress	A	None	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1190, 1191, 1192, 1193, 1194 Spasprey	C	None	---	---	>6.0	---	---
1200 Mellor	C	None	---	---	>6.0	---	---
1210 Linhart	A	Occasional	Very brief	Apr-Oct	>6.0	---	---
1211 Linhart	A	Rare	---	---	>6.0	---	---
1220 Calpine	B	None	---	---	>6.0	---	---
1240 Pizene	B	None	---	---	>6.0	---	---
1250, 1251 Rednik	B	Rare	---	---	>6.0	---	---
1260*:							
Thulepah	C	None	---	---	>6.0	---	---
Mosquet	D	None	---	---	>6.0	---	---
1270*:							
Tristan	B	None	---	---	>6.0	---	---
Indiano	C	None	---	---	>6.0	---	---
Lemm	B	None	---	---	>6.0	---	---
1271*:							
Tristan	B	None	---	---	>6.0	---	---
Barshaad	D	None	---	---	>6.0	---	---
Arzo	D	None	---	---	>6.0	---	---
1272*:							
Tristan	B	None	---	---	>6.0	---	---
Arzo	D	None	---	---	>6.0	---	---
Reywat	D	None	---	---	>6.0	---	---
1273*:							
Tristan	B	None	---	---	>6.0	---	---
Barshaad	D	None	---	---	>6.0	---	---
Frodo	D	None	---	---	>6.0	---	---
1290 Parran	D	Rare	---	---	2.0-3.0	Apparent	Nov-Mar
1300, 1301 Rose Creek Variant	B	Rare	---	---	5.0-6.0	Apparent	Feb-Mar
1310 Bango	B	None	---	---	>6.0	---	---

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1320*:							
Osobb	D	None	---	---	>6.0	---	---
Rezave	D	None	---	---	>6.0	---	---
Fireball	B	None	---	---	>6.0	---	---
1330*:							
Sutcliff	C	None	---	---	>6.0	---	---
Kleinbush	D	None	---	---	>6.0	---	---
Washoe	B	None	---	---	>6.0	---	---
1331*:							
Sutcliff	C	None	---	---	>6.0	---	---
Bundorf	D	None	---	---	>6.0	---	---
Kleinbush	D	None	---	---	>6.0	---	---
1340*:							
Hawsley	A	None	---	---	>6.0	---	---
Ruhe	D	None	---	---	>6.0	---	---
Bluewing	A	Occasional	Very brief	Jul-Sep	>6.0	---	---
1341*:							
Isolde	A	None	---	---	>6.0	---	---
Dune land.							
1342*:							
Isolde	A	None	---	---	>6.0	---	---
Playas.							
1344*:							
Isolde	A	None	---	---	>6.0	---	---
Toulon	A	None	---	---	>6.0	---	---
1345 Hawsley	A	None	---	---	>6.0	---	---
1350*:							
Stumble	A	None	---	---	>6.0	---	---
Ruhe	D	None	---	---	>6.0	---	---
Bluewing	A	Occasional	Very brief	Jul-Sep	>6.0	---	---
1351 Stumble	A	None	---	---	>6.0	---	---
1360*:							
Trocken	B	Rare	---	---	>6.0	---	---
Stumble	A	None	---	---	>6.0	---	---
Bluewing	A	Occasional	Very brief	Jul-Sep	>6.0	---	---

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1361*:							
Trocken	B	Rare	---	---	>6.0	---	---
Ruhe	D	None	---	---	>6.0	---	---
Bluewing	A	Occasional	Very brief	Jul-Sep	>6.0	---	---
1362*:							
Trocken	B	Rare	---	---	>6.0	---	---
Badland.							
1363 Trocken	B	Rare	---	---	>6.0	---	---
1364*:							
Trocken	B	Rare	---	---	>6.0	---	---
Wrango	A	Rare	---	---	>6.0	---	---
1370*:							
Singatse	D	None	---	---	>6.0	---	---
Fireball	B	None	---	---	>6.0	---	---
Rednik	B	Rare	---	---	>6.0	---	---
1371*:							
Singatse	D	None	---	---	>6.0	---	---
Flex	D	None	---	---	>6.0	---	---
Acrelane	C	None	---	---	>6.0	---	---
1372*:							
Singatse	D	None	---	---	>6.0	---	---
Isolde	A	None	---	---	>6.0	---	---
1373*:							
Singatse	D	None	---	---	>6.0	---	---
Mizel	D	None	---	---	>6.0	---	---
Stingdorn	D	None	---	---	>6.0	---	---
1374*:							
Singatse	D	None	---	---	>6.0	---	---
Fireball	B	None	---	---	>6.0	---	---
Osobb	D	None	---	---	>6.0	---	---
1380*:							
Stingdorn	D	None	---	---	>6.0	---	---
Singatse	D	None	---	---	>6.0	---	---
Rock outcrop.							
1390*:							
Pirouette	D	None	---	---	>6.0	---	---
Osobb	D	None	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1400*:							
Softscrabble	C	None	---	---	>6.0	---	---
Gabica	D	None	---	---	>6.0	---	---
Burnborough	B	None	---	---	>6.0	---	---
1401*:							
Softscrabble	C	None	---	---	>6.0	---	---
Gabica	D	None	---	---	>6.0	---	---
Sumine	B	None	---	---	>6.0	---	---
1410*:							
Burnborough	B	None	---	---	>6.0	---	---
Ticino	C	None	---	---	>6.0	---	---
Gabica	D	None	---	---	>6.0	---	---
1411*:							
Burnborough	B	None	---	---	>6.0	---	---
Ticino	C	None	---	---	>6.0	---	---
Softscrabble	C	None	---	---	>6.0	---	---
1420*:							
Barshaad	D	None	---	---	>6.0	---	---
Fugawee	B	None	---	---	>6.0	---	---
Duckhill Variant	D	None	---	---	>6.0	---	---
1430*:							
Fraval	C	None	---	---	>6.0	---	---
Booford	C	None	---	---	>6.0	---	---
Jumbo	B	None	---	---	>6.0	---	---
1431*:							
Fraval	C	None	---	---	>6.0	---	---
Hirschdale	C	None	---	---	>6.0	---	---
Duckhill Variant	D	None	---	---	>6.0	---	---
1432*:							
Fraval	C	None	---	---	>6.0	---	---
Hirschdale	C	None	---	---	>6.0	---	---
Jumbo	B	None	---	---	>6.0	---	---
1440, 1441 Tallac	B	None	---	---	>6.0	---	---
1450*:							
Meiss	D	None	---	---	>6.0	---	---
Sibelia	A	None	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1460*:							
Jorge	B	None	---	---	>6.0	---	---
Boomtown	D	None	---	---	>6.0	---	---
Fugawee	B	None	---	---	>6.0	---	---
1470*:							
Carioca	B	None	---	---	3.5-6.0	Perched	Feb-Jun
Sibelia Variant	C	None	---	---	2.5-5.0	Perched	Feb-May
Fugawee	B	None	---	---	>6.0	---	---
1480*:							
Macareeno	C	Rare	---	---	2.0-3.5	Perched	Feb-May
Blackwell	D	Occasional	Very brief to brief.	Apr-Jun	0.6-2.5	Apparent	Mar-Jul
Carioca	B	None	---	---	3.5-6.0	Perched	Feb-Jun
1490*:							
Arzo	D	None	---	---	>6.0	---	---
Indiano	C	None	---	---	>6.0	---	---
Barnard	D	None	---	---	>6.0	---	---
1510*:							
Cagle	D	None	---	---	>6.0	---	---
Nosrac	B	None	---	---	>6.0	---	---
Old Camp	D	None	---	---	>6.0	---	---
1520*:							
Duco	D	None	---	---	>6.0	---	---
Smallcone	D	None	---	---	>6.0	---	---
Cagle	D	None	---	---	>6.0	---	---
1521*:							
Duco	D	None	---	---	>6.0	---	---
Yuko	D	None	---	---	>6.0	---	---
Lemm	B	None	---	---	>6.0	---	---
1522*:							
Duco	D	None	---	---	>6.0	---	---
Pahrange	C	None	---	---	>6.0	---	---
Lemm	B	None	---	---	>6.0	---	---
1530*:							
Bombadil	D	None	---	---	>6.0	---	---
Hefed	B	None	---	---	>6.0	---	---
Rubble land.							

See footnote at end of table.

TABLE 15.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					Ft		
1531*:							
Bombadil	D	None	---	---	>6.0	---	---
Hefed	B	None	---	---	>6.0	---	---
Fireball	B	None	---	---	>6.0	---	---
1540*:							
McQuarrie	D	None	---	---	>6.0	---	---
Tristan	B	None	---	---	>6.0	---	---
Arzo	D	None	---	---	>6.0	---	---
1541*:							
McQuarrie	D	None	---	---	>6.0	---	---
Duco	D	None	---	---	>6.0	---	---
Tristan	B	None	---	---	>6.0	---	---
1550*:							
Skedaddle	D	None	---	---	>6.0	---	---
Pahrange	C	None	---	---	>6.0	---	---
Lemm	B	None	---	---	>6.0	---	---
1570*:							
Bluewing	A	Occasional	Very brief	Jul-Sep	>6.0	---	---
Biddleman	B	None	---	---	>6.0	---	---
Bundorf	D	None	---	---	>6.0	---	---
1580*:							
Frodo	D	None	---	---	>6.0	---	---
Xman	D	None	---	---	>6.0	---	---
Oppio	D	None	---	---	>6.0	---	---
1590 Ruhe	D	Rare	---	---	>6.0	---	---
1600*:							
Wrango	A	Rare	---	---	>6.0	---	---
Ruhe	D	Rare	---	---	>6.0	---	---

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 16.--SOIL FEATURES

[The symbol < means less than; > means more than. Absence of an entry indicates that the feature is not a concern]

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
101, 102, 106 Aquinas	>60	---	30-40	Thin	Moderate	Moderate	Moderate.
110 Jowec Variant	>60	---	---	---	Moderate	High	Moderate.
111*:							
Jowec Variant	>60	---	---	---	Moderate	High	Moderate.
Greenbrae	>60	---	---	---	Moderate	Moderate	Moderate.
120, 121 Doten	>60	---	---	---	Low	High	High.
130 Greenbrae	>60	---	---	---	Moderate	High	Low.
131, 132 Greenbrae	>60	---	---	---	Moderate	Moderate	Moderate.
134 Greenbrae	>60	---	---	---	Moderate	High	Low.
136 Greenbrae	>60	---	---	---	Moderate	Moderate	Moderate.
140, 141, 142 Haybourne	>60	---	---	---	Moderate	Moderate	Low.
150, 151 Doten Variant	>60	---	---	---	Low	High	High.
160, 161 Incy	>60	---	---	---	Low	Moderate	Low.
171, 172, 173, 174, 175 Indian Creek	>60	---	14-20	Thick	Low	High	Low.
176*:							
Indian Creek	>60	---	14-20	Thick	Low	High	Low.
Reno	40-60	Soft	20-40	Thick	Moderate	High	Low.
Washoe	>60	---	---	---	Moderate	Moderate	Low.
190, 191, 192 Manogue	40-60	Soft	---	---	Low	High	Moderate.
200, 201, 202, 203 Northmore	>60	---	---	---	Low	Moderate	Moderate.
210, 211 Luppino	12-20	Soft	---	---	Moderate	Moderate	Moderate.
221, 222 Oppio	20-40	Hard	---	---	Low	Moderate	Moderate.
223*:							
Oppio	20-40	Hard	---	---	Low	Moderate	Moderate.
Rezave	14-20	Hard	---	---	Low	High	Low.
Rock outcrop.							

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
230 Cradlebaugh	>60	---	---	---	High	High	High.
240, 241 Updike	>60	---	---	---	Low	High	Low.
250, 251, 252 Cassiro	40-65	Soft	---	---	Low	High	Moderate.
260*:							
Acrelane	10-20	Soft	---	---	Moderate	Moderate	Moderate.
Rock outcrop.							
262 Acrelane	10-20	Soft	---	---	Moderate	Moderate	Moderate.
280, 281, 282 Wedekind	10-20	Soft	---	---	Moderate	Moderate	Low.
290, 291 Verdico Variant	20-40	Soft	---	---	Low	High	Low.
300 Surgem	20-30	Hard	---	---	Low	High	Low.
301*, 302*:							
Surgem	20-30	Hard	---	---	Low	High	Low.
Rock outcrop.							
310*, 311*:							
Risley	20-30	Soft	---	---	Low	Moderate	Moderate.
Rock outcrop.							
312 Risley	20-30	Soft	---	---	Low	Moderate	Moderate.
313 Risley	20-40	Soft	---	---	Low	Moderate	Moderate.
314*:							
Risley	20-30	Soft	---	---	Low	Moderate	Moderate.
Xman	10-20	Soft	---	---	Low	High	Low.
Rock outcrop.							
341 Yuko	6-14	Soft	---	---	Moderate	Moderate	Low.
342*:							
Yuko	6-14	Soft	---	---	Moderate	Moderate	Low.
Reywat	10-20	Hard	---	---	Moderate	Moderate	Low.
Rock outcrop.							
350 Mizel	3-10	Hard	---	---	Moderate	Moderate	Moderate.
351*:							
Mizel	3-10	Hard	---	---	Moderate	Moderate	Moderate.
Skedaddle	4-12	Hard	---	---	Moderate	Moderate	Low.
Rock outcrop.							

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
360*. Pits							
370 Lemm	>60	---	---	---	Moderate	Moderate	Low.
390 Duckhill	6-10	Hard	---	---	Moderate	Moderate	Moderate.
391*:							
Duckhill	6-10	Hard	---	---	Moderate	Moderate	Moderate.
Hirschdale	20-40	Soft	---	---	Low	High	Low.
Fraval	20-40	Soft	---	---	Moderate	Moderate	Moderate.
400, 401, 403 Jubilee Variant	>60	---	---	---	High	High	High.
410, 411 Ophir	>60	---	---	---	Moderate	Moderate	Low.
420 Godecke	>60	---	---	---	Moderate	High	High.
423 Godecke Variant	>60	---	40-60	Thin	Moderate	High	Low.
430, 431 Sagouspe Variant	>60	---	---	---	High	Moderate	Low.
440, 441, 442, 443 Jubilee	>60	---	---	---	High	Moderate	Low.
445 Jubilee	>60	---	---	---	Moderate	Moderate	Low.
450 Voltaire	>60	---	---	---	High	High	High.
451, 452 Voltaire	>60	---	---	---	High	High	Moderate.
454 Voltaire	>60	---	---	---	Moderate	High	Low.
455*:							
Voltaire	>60	---	---	---	Moderate	High	Low.
Truckee	>60	---	---	---	High	High	Low.
456 Voltaire	>60	---	---	---	High	High	High.
460, 461 Surprise	>60	---	---	---	Moderate	Moderate	Low.
470 Dalzell	>60	---	20-40	Thin	Moderate	High	High.
480, 482 Holbrook	>60	---	---	---	Moderate	High	Low.
490 Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
491*:							
Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
Rock outcrop.							
492 Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
493*:							
Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
Glenbrook	10-20	Soft	---	---	Low	Low	Low.
494 Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
495*:							
Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
Glenbrook	10-20	Soft	---	---	Low	Low	Low.
Rock outcrop.							
496*:							
Graufels	20-40	Soft	---	---	Low	Moderate	Moderate.
Glenbrook	10-20	Soft	---	---	Low	Low	Low.
Haypress	40-60	Soft	---	---	Low	Low	Low.
500, 504 Mottsville	>60	---	---	---	Low	Moderate	Moderate.
505 Mottsville	>60	---	---	---	Low	Moderate	Moderate.
510 Settlemeyer	>60	---	---	---	High	High	Low.
513*:							
Settlemeyer	>60	---	---	---	High	High	Low.
Notus	>60	---	---	---	Low	Moderate	Low.
514 Settlemeyer	>60	---	---	---	High	High	Low.
520 Dressler	>60	---	---	---	High	High	Low.
530, 531 Sagouspe	>60	---	---	---	Moderate	High	Moderate.
532 Sagouspe	>60	---	---	---	Moderate	High	Moderate.
550, 551, 553, 554, 557, 559 Leviathan	>60	---	---	---	Moderate	Moderate	Low.
570 Turria	>60	---	---	---	Moderate	Moderate	Low.
585*:							
Barnard	>60	---	20-30	Thick	Moderate	High	Low.
Trosi	>60	---	12-20	Thick	Low	High	Moderate.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
876*:							
Xman	10-20	Soft	---	---	Low	High	Low.
Oppio	20-40	Hard	---	---	Moderate	High	Moderate.
Old Camp	10-20	Hard	---	---	Moderate	High	Low.
877*:							
Xman	10-20	Soft	---	---	Low	High	Low.
Frodo	18-30	Hard	14-20	Thin	Low	High	Low.
Mizel	3-10	Hard	---	---	Moderate	Moderate	Moderate.
880*:							
Zephan	25-40	Soft	---	---	Low	Moderate	Moderate.
Rock outcrop.							
Smallcone	4-10	Soft	---	---	Low	Moderate	High.
881, 882 Zephan	25-40	Soft	---	---	Low	Moderate	Moderate.
890, 891 Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
892*:							
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Koontz	14-20	Soft	---	---	Moderate	Moderate	Low.
Flex	6-12	Soft	---	---	Moderate	Moderate	Low.
893*:							
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Cagle	20-40	Soft	---	---	Low	High	Low.
894*:							
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Skedaddle	4-12	Hard	---	---	Moderate	Moderate	Low.
895*:							
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Zephan	25-40	Soft	---	---	Low	Moderate	Moderate.
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
900, 901, 903 Flex	6-12	Soft	---	---	Moderate	Moderate	Low.
910, 911 Vamp	>60	---	20-40	Thin	High	High	High.
930 Old Camp	10-20	Hard	---	---	Moderate	High	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
931*:							
Old Camp extremely stony	10-20	Hard	---	---	Moderate	High	Low.
Old Camp stony	10-20	Hard	---	---	Moderate	High	Low.
Rock outcrop.							
932 Old Camp	10-20	Hard	---	---	Moderate	High	Low.
960, 961, 962, 963 Kayo	>60	---	---	---	Moderate	High	Moderate.
971, 974 Aladshi	>60	---	---	---	Moderate	High	Low.
980, 982 Koontz	14-20	Soft	---	---	Moderate	Moderate	Low.
990*. Rock outcrop							
991*:							
Xeric Torriorthents.							
Urban land.							
992*. Playas							
993*. Haplaquolls							
994*:							
Badland.							
Chalco	10-20	Soft	---	---	Low	High	Low.
Verdico	20-40	Soft	---	---	Low	High	Low.
996*:							
Dune land.							
Playas.							
997*. Badland							
998*. Beaches							
1010 Gabica	10-20	Hard	---	---	Moderate	High	Low.
1040, 1041 Orr Variant	>60	---	---	---	Moderate	High	Moderate.
1050, 1051 Waspo	20-40	Soft	---	---	Low	High	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1052*:							
Waspo	20-40	Soft	---	---	Low	High	Low.
Rock outcrop.							
1054 Waspo	20-40	Soft	---	---	Low	High	Low.
1060*, 1062*:							
Witefels	20-40	Soft	---	---	Low	Moderate	Moderate.
Rock outcrop.							
1080 Inville Variant	>60	---	---	---	High	Moderate	Moderate.
1090, 1091 Railcity	>60	---	---	---	Low	Moderate	Moderate.
1100*:							
Graylock	40-60	Hard	---	---	Low	High	High.
Temo	8-20	Soft	---	---	Low	Low	Moderate.
Rock outcrop.							
1120, 1121 Apmat	>60	---	---	---	Moderate	Moderate	Moderate.
1130 Dithod	>60	---	---	---	Moderate	High	Moderate.
1141, 1142, 1143 Bedell	>60	---	---	---	Moderate	Low	Moderate.
1160, 1161 Jowec	>60	---	---	---	Low	High	Low.
1170, 1171, 1172 Wedertz	>60	---	---	---	Moderate	Moderate	Moderate.
1181*, 1182*:							
Haypress	40-60	Soft	---	---	Low	Low	Low.
Tanob	20-40	Soft	---	---	Moderate	Low	Moderate.
Rock outcrop.							
1183*:							
Haypress	40-60	Soft	---	---	Low	Low	Low.
Rock outcrop.							
1190, 1191, 1192, 1193, 1194 Spasprey	>60	---	20-30	Thin	Moderate	High	Low.
1200 Mellor	>60	---	---	---	Moderate	High	High.
1210, 1211 Linhart	>60	---	---	---	Low	Moderate	Moderate.
1220 Calpine	>60	---	---	---	Moderate	Low	Moderate.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1240 Pizene	>60	---	---	---	Low	High	High.
1250, 1251 Rednik	>60	---	---	---	Low	High	Moderate.
1260*:							
Thulepah	>60	---	---	---	Moderate	Moderate	Moderate.
Mosquet	6-20	Hard	---	---	Moderate	Moderate	Low.
1270*:							
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Lemm	>60	---	---	---	Moderate	Moderate	Low.
1271*:							
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
Barshaad	20-40	Soft	---	---	Low	High	Low.
Arzo	20-40	Soft	---	---	Low	High	Low.
1272*:							
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
Arzo	20-40	Soft	---	---	Low	High	Low.
Reywat	10-20	Hard	---	---	Moderate	Moderate	Low.
1273*:							
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
Barshaad	20-40	Soft	---	---	Low	High	Low.
Frodo	18-30	Hard	14-20	Thin	Low	High	Low.
1290 Parran	>60	---	---	---	High	High	High.
1300, 1301 Rose Creek Variant	>60	---	---	---	Moderate	High	High.
1310 Bango	>60	---	---	---	Low	High	Low.
1320*:							
Osobb	9-20	Hard	8-20	Thin	Low	High	Low.
Rezave	14-20	Hard	---	---	Low	High	Low.
Fireball	40-60	Hard	---	---	Low	Moderate	Low.
1330*:							
Sutcliff	>60	---	40-60	Thin	Low	High	Low.
Kleinbush	>60	---	---	---	Low	High	Low.
Washoe	>60	---	---	---	Moderate	Moderate	Low.
1331*:							
Sutcliff	>60	---	40-60	Thin	Low	High	Low.
Bundorf	>60	---	14-20	Thick	Low	High	Low.
Kleinbush	>60	---	---	---	Low	High	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1340*:							
Hawsley	>60	---	---	---	Low	Low	Low.
Ruhe	14-20	Soft	---	---	Low	High	Low.
Bluewing	>60	---	---	---	Low	High	Moderate.
1341*:							
Isolde	>60	---	---	---	Low	Low	Low.
Dune land.							
1342*:							
Isolde	>60	---	---	---	Low	Low	Low.
Playas.							
1344*:							
Isolde	>60	---	---	---	Low	Low	Low.
Toulon	>60	---	---	---	Low	High	Low.
1345 Hawsley	>60	---	---	---	Low	Low	Low.
1350*:							
Stumble	>60	---	---	---	Low	High	Moderate.
Ruhe	14-20	Soft	---	---	Low	High	Low.
Bluewing	>60	---	---	---	Low	High	Moderate.
1351 Stumble	>60	---	---	---	Low	High	Moderate.
1360*:							
Trocken	>60	---	---	---	Low	High	Low.
Stumble	>60	---	---	---	Low	High	Moderate.
Bluewing	>60	---	---	---	Low	High	Moderate.
1361*:							
Trocken	>60	---	---	---	Low	High	Low.
Ruhe	14-20	Soft	---	---	Low	High	Low.
Bluewing	>60	---	---	---	Low	High	Moderate.
1362*:							
Trocken	>60	---	---	---	Low	High	Low.
Badland.							
1363 Trocken	>60	---	---	---	Low	High	Low.
1364*:							
Trocken	>60	---	---	---	Low	High	Low.
Wrango	>60	---	---	---	Low	High	Moderate.
1370*:							
Singatse	4-10	Hard	---	---	Low	High	Low.
Fireball	40-60	Hard	---	---	Low	Moderate	Low.
Rednik	>60	---	---	---	Low	High	Moderate.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1371*:							
Singatse	4-10	Hard	---	---	Low	High	Low.
Flex	6-12	Soft	---	---	Moderate	Moderate	Low.
Acrelane	10-20	Soft	---	---	Moderate	Moderate	Moderate.
1372*:							
Singatse	4-10	Hard	---	---	Low	High	Low.
Isolde	>60	---	---	---	Low	Low	Low.
1373*:							
Singatse	4-10	Hard	---	---	Low	High	Low.
Mizel	3-10	Hard	---	---	Moderate	Moderate	Moderate.
Stingdorn	8-20	Hard	8-20	Thin	Low	Moderate	Low.
1374*:							
Singatse	4-10	Hard	---	---	Low	High	Low.
Fireball	40-60	Hard	---	---	Low	Moderate	Low.
Osobb	9-20	Hard	8-20	Thin	Low	High	Low.
1380*:							
Stingdorn	8-20	Hard	8-20	Thin	Low	Moderate	Low.
Singatse	4-10	Hard	---	---	Low	High	Low.
Rock outcrop.							
1390*:							
Pirouette	11-20	Hard	11-20	Thin	Low	High	Low.
Osobb	9-20	Hard	8-20	Thin	Low	High	Low.
Rock outcrop.							
1400*:							
Softscrabble	>60	---	---	---	Moderate	Moderate	Low.
Gabica	10-20	Hard	---	---	Moderate	High	Low.
Burnborough	>60	---	---	---	Moderate	Low	Low.
1401*:							
Softscrabble	>60	---	---	---	Moderate	Moderate	Low.
Gabica	10-20	Hard	---	---	Moderate	High	Low.
Sumine	20-40	Hard	---	---	Moderate	Moderate	Low.
1410*:							
Burnborough	>60	---	---	---	Moderate	Low	Low.
Ticino	20-40	Soft	---	---	Moderate	Low	Moderate.
Gabica	10-20	Hard	---	---	Moderate	High	Low.
1411*:							
Burnborough	>60	---	---	---	Moderate	Low	Low.
Ticino	20-40	Soft	---	---	Moderate	Low	Moderate.
Softscrabble	>60	---	---	---	Moderate	Moderate	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1420*:							
Barshaad	20-40	Soft	---	---	Low	High	Low.
Fugawee	20-40	Soft	---	---	Moderate	High	High.
Duckhill Variant	4-14	Hard	---	---	Moderate	Moderate	Moderate.
1430*:							
Fraval	20-40	Soft	---	---	Moderate	Moderate	Moderate.
Booford	20-40	Soft	---	---	Moderate	High	Low.
Jumbo	40-60	Soft	---	---	Moderate	Moderate	Moderate.
1431*:							
Fraval	20-40	Soft	---	---	Moderate	Moderate	Moderate.
Hirschdale	20-40	Soft	---	---	Low	High	Low.
Duckhill Variant	4-14	Hard	---	---	Moderate	Moderate	Moderate.
1432*:							
Fraval	20-40	Soft	---	---	Moderate	Moderate	Moderate.
1432*:							
Hirschdale	20-40	Soft	---	---	Low	High	Low.
Jumbo	40-60	Soft	---	---	Moderate	Moderate	Moderate.
1440, 1441 Tallac	>60	---	---	---	Low	Moderate	Moderate.
1450*:							
Meiss	10-20	Hard	---	---	Moderate	Moderate	Moderate.
Sibelia	40-60	Soft	---	---	Low	Low	Low.
Rock outcrop.							
1460*:							
Jorge	60-80	Soft	---	---	Moderate	High	High.
Boomtown	>60	---	---	---	Moderate	Moderate	High.
Fugawee	20-40	Soft	---	---	Moderate	High	High.
1470*:							
Carioca	>60	---	---	---	Moderate	Moderate	Low.
Sibelia Variant	>60	---	---	---	Moderate	Moderate	Moderate.
Fugawee	20-40	Soft	---	---	Moderate	High	High.
1480*:							
Macareeno	>60	---	---	---	High	High	Moderate.
Blackwell	>60	---	---	---	High	Moderate	Moderate.
Carioca	>60	---	---	---	Moderate	Moderate	Low.
1490*:							
Arzo	20-40	Soft	---	---	Low	High	Low.
Indiano	20-40	Hard	---	---	Moderate	Moderate	Low.
Barnard	>60	---	20-30	Thick	Moderate	High	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1510*:							
Cagle	20-40	Soft	---	---	Low	High	Low.
Nosrac	>60	---	---	---	Moderate	High	Low.
Old Camp	10-20	Hard	---	---	Moderate	High	Low.
1520*:							
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Smallcone	4-10	Soft	---	---	Low	Moderate	High.
Cagle	20-40	Soft	---	---	Low	High	Low.
1521*:							
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Yuko	6-14	Soft	---	---	Moderate	Moderate	Low.
Lemm	>60	---	---	---	Moderate	Moderate	Low.
1522*:							
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Pahrange	20-40	Soft	---	---	Low	Moderate	Low.
1522*:							
Lemm	>60	---	---	---	Moderate	Moderate	Low.
1530*:							
Bombadil	7-14	Hard	---	---	Moderate	High	Low.
Hefed	>60	---	---	---	Low	High	Low.
Rubble land.							
1531*:							
Bombadil	7-14	Hard	---	---	Moderate	High	Low.
Hefed	>60	---	---	---	Low	High	Low.
Fireball	40-60	Hard	---	---	Low	Moderate	Low.
1540*:							
McQuarrie	10-20	Hard	---	---	Moderate	High	Moderate.
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
Arzo	20-40	Soft	---	---	Low	High	Low.
1541*:							
McQuarrie	10-20	Hard	---	---	Moderate	High	Moderate.
Duco	10-20	Hard	---	---	Moderate	Moderate	Low.
Tristan	40-60	Soft	---	---	Moderate	Moderate	Low.
1550*:							
Skedaddle	4-12	Hard	---	---	Moderate	Moderate	Low.
Pahrange	20-40	Soft	---	---	Low	Moderate	Low.
Lemm	>60	---	---	---	Moderate	Moderate	Low.

See footnote at end of table.

TABLE 16.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1570*:							
Bluewing	>60	---	---	---	Low	High	Moderate.
Biddleman	>60	---	---	---	Low	High	Low.
Bundorf	>60	---	14-20	Thick	Low	High	Low.
1580*:							
Frodo	18-30	Hard	14-20	Thin	Low	High	Low.
Xman	10-20	Soft	---	---	Low	High	Low.
Oppio	20-40	Hard	---	---	Low	Moderate	Moderate.
1590 Ruhe	14-20	Soft	---	---	Low	High	Low.
1600*:							
Wrango	>60	---	---	---	Low	High	Moderate.
Ruhe	14-20	Soft	---	---	Low	High	Low.

* See description of the map unit for composition and behavior characteristics of the map unit.

TABLE 17.--CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Acrelane	Loamy-skeletal, mixed, mesic, shallow Aridic Argixerolls
Aladshi	Fine-loamy, mixed, mesic Duric Haplargids
Apmat	Loamy-skeletal, mixed, frigid Ultic Argixerolls
Aquinas	Fine-loamy, mixed, mesic Haploxerollic Durargids
Arzo	Fine, montmorillonitic, mesic Aridic Calcic Argixerolls
Bango	Fine-loamy, mixed, mesic Haplic Natrargids
Barnard	Fine, montmorillonitic, mesic Aridic Durixerolls
Barshaad	Fine, montmorillonitic, mesic Aridic Palexerolls
Bedell	Coarse-loamy, mixed, mesic Aridic Argixerolls
Biddleman	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Natrargids
Bieber	Clayey, montmorillonitic, mesic, shallow Aridic Durixerolls
Blackwell	Fine-loamy, mixed Typic Cryaquolls
Bluewing	Sandy-skeletal, mixed, mesic Typic Torriorthents
Bombadil	Loamy, mixed, mesic Lithic Xerollic Haplargids
Booford	Fine, montmorillonitic frigid Typic Argixerolls
Boomtown	Fine, mixed, frigid Ultic Haploxeralfs
Bundorf	Clayey, montmorillonitic, mesic, shallow Typic Durargids
Burnborough	Loamy-skeletal, mixed, frigid Aridic Argixerolls
Cagle	Fine, montmorillonitic, mesic Aridic Argixerolls
Calpine	Coarse-loamy, mixed, mesic Aridic Haploxerolls
Carioca	Loamy-skeletal, mixed Andeptic Cryoboralfs
Cassiro	Clayey-skeletal, montmorillonitic, mesic Aridic Argixerolls
Celeton Variant	Loamy-skeletal, mixed (calcareous), mesic, shallow Typic Torriorthents
Chalco	Clayey, montmorillonitic, mesic, shallow Xerollic Haplargids
Corbett	Mixed, frigid Typic Xeropsamments
Cradlebaugh	Fine-loamy, mixed (calcareous), mesic Duric Haplaquolls
Dalzell	Fine-loamy, mixed, mesic Haploxerollic Nadurargids
Dithod	Fine-loamy, mixed, mesic Fluvaquentic Haploxerolls
Doten	Fine, montmorillonitic, mesic Entic Chromoxererts
Doten Variant	Fine, montmorillonitic, mesic Entic Chromoxererts
Dressler	Coarse-loamy, mixed, mesic Aquic Haploxerolls
Duckhill	Loamy-skeletal, mixed, frigid Lithic Haploxeralfs
Duckhill Variant	Loamy-skeletal, mixed, frigid Lithic Ultic Argixerolls
Duco	Loamy-skeletal, mixed, mesic Lithic Argixerolls
Fettic	Fine-silty, mixed, mesic Aquic Natrixerolls
Fireball	Loamy-skeletal, mixed, mesic Typic Haplargids
Fleischmann	Fine, montmorillonitic, mesic Aridic Durixerolls
Flex	Loamy-skeletal, mixed, mesic, shallow Xerollic Haplargids
Fraval	Loamy-skeletal, mixed, frigid Ultic Argixerolls
Frodo	Clayey, montmorillonitic, mesic, shallow Aridic Durixerolls
Fugawee	Fine-loamy, mixed, frigid Ultic Haploxeralfs
Gabica	Loamy-skeletal, mixed, frigid Lithic Argixerolls
Galeppi	Fine-loamy, mixed, mesic Durargidic Argixerolls
Glenbrook	Mixed, mesic, shallow Xeric Torripsamments
Godecke	Fine-loamy, mixed, mesic Aquic Natrargids
Godecke Variant	Fine-loamy, mixed, mesic Durixerollic Natrargids
Graufels	Sandy, mixed, mesic Torripsammentic Haploxerolls
Graylock	Sandy-skeletal, mixed, Typic Cryorthents
Greenbrae	Fine-loamy, mixed, mesic Xerollic Haplargids
Hawsley	Mixed, mesic Typic Torripsamments
Haybourne	Coarse-loamy, mixed, mesic Xerollic Camborthids
Haypress	Sandy, mixed, frigid Entic Haploxerolls
Hefed	Loamy-skeletal, mixed, mesic Xerollic Haplargids
Hirschdale	Fine, montmorillonitic, frigid Mollic Haploxeralfs
Holbrook	Loamy-skeletal, mixed, mesic Aridic Haploxerolls
Idlewild	Fine, montmorillonitic, mesic Aquic Argixerolls
Incy	Mixed, mesic Xeric Torripsamments
Indian Creek	Clayey, montmorillonitic, mesic, shallow Xerollic Durargids
Indiano	Fine-loamy, mixed, mesic Aridic Argixerolls
Inville Variant	Loamy-skeletal, mixed, frigid Aquultic Haploxeralfs
Isolde	Mixed, mesic Typic Torripsamments
Jorge	Loamy-skeletal, mixed, frigid Ultic Haploxeralfs
Jowec	Fine, montmorillonitic, mesic Xeralfic Paleargids
Jowec Variant	Fine, montmorillonitic, mesic Xerollic Paleargids
Jubilee	Coarse-loamy, mixed, mesic Typic Haplaquolls
Jubilee Variant	Coarse-loamy, mixed (calcareous), mesic Typic Haplaquolls
Jumbo	Loamy-skeletal, mixed, frigid Pachic Ultic Argixerolls
Kayo	Loamy-skeletal, mixed, mesic Xeralfic Haplargids
Kleinbush	Fine, montmorillonitic, mesic Typic Natrargids
Koontz	Loamy-skeletal, mixed, mesic, shallow Aridic Argixerolls
Lemm	Loamy-skeletal, mixed, mesic Aridic Argixerolls

TABLE 17.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Leviathan	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Linhart	Sandy-skeletal, mixed, mesic Torriorthentic Haploxerolls
Luppino	Loamy, mixed, mesic, shallow Aridic Argixerolls
Macareeno	Fine-loamy, mixed Argiaquic Cryoborolls
Manogue	Fine, montmorillonitic, mesic Entic Chromoxererts
Marla	Sandy, mixed Aquic Cryumbrepts
McQuarrie	Loamy, mixed, mesic Lithic Argixerolls
Meiss	Medial Lithic Cryumbrepts
Mellor	Fine-silty, mixed, mesic Xerollic Natrargids
Mizel	Loamy-skeletal, mixed, nonacid, mesic Lithic Torriorthents
Mosquet	Clayey, montmorillonitic Lithic Ruptic-Argic Cryoborolls
Mottsville	Sandy, mixed, mesic Torripsammentic Haploxerolls
Northmore	Fine, montmorillonitic, mesic Aridic Argixerolls
Nosrac	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Notus	Sandy-skeletal, mixed, mesic Aquic Xerofluvents
Oest	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Old Camp	Loamy-skeletal, mixed, mesic Lithic Xerollic Haplargids
Ophir	Sandy, mixed, mesic Typic Haplaquolls
Oppio	Fine, montmorillonitic, mesic Xerollic Haplargids
Orr	Fine-loamy, mixed, mesic Aridic Argixerolls
Orr Variant	Fine-loamy, mixed, mesic Aridic Calcic Argixerolls
Osobb	Loamy-skeletal, mixed, mesic, shallow Typic Durorthids
Pahrange	Fine-loamy, mixed, mesic Aridic Argixerolls
Parran	Fine, montmorillonitic, mesic Typic Salorthids
Pirouette	Loamy-skeletal, mixed, mesic, shallow Typic Nadurargids
Pizene	Fine-loamy, mixed, mesic Typic Natrargids
Railcity	Sandy-skeletal, mixed, frigid Typic Xerorthents
Rednik	Loamy-skeletal, mixed, mesic Typic Haplargids
Reno	Fine, montmorillonitic, mesic Abruptic Xerollic Durargids
Reywat	Loamy-skeletal, mixed, mesic Lithic Argixerolls
Rezave	Clayey, montmorillonitic, mesic Lithic Natrargids
Risley	Fine, montmorillonitic, mesic Xerollic Haplargids
Rose Creek	Coarse-loamy, mixed, mesic Fluvaquentic Haploxerolls
Rose Creek Variant	Coarse-loamy, mixed, mesic Fluventic Camborthids
Ruhe	Mixed, mesic, shallow Typic Torripsamments
Sagouspe	Sandy, mixed, mesic Aquic Xerofluvents
Sagouspe Variant	Sandy, mixed, mesic Aquic Xerofluvents
Settlemeyer	Fine-loamy, mixed, mesic Fluvaquentic Haplaquolls
Sibelia	Loamy-skeletal, mixed Typic Cryumbrepts
Sibelia Variant	Loamy-skeletal, mixed Typic Cryumbrepts
Singatse	Loamy-skeletal, mixed (calcareous), mesic Lithic Torriorthents
Skedaddle	Loamy-skeletal, mixed, nonacid, mesic Lithic Xeric Torriorthents
Smallcone	Loamy-skeletal, mixed, nonacid, mesic Lithic Xeric Torriorthents
Softscrabble	Loamy-skeletal, mixed, frigid Pachic Argixerolls
Spasprey	Fine-loamy, mixed, mesic Haploxerollic Durargids
Springmeyer	Fine-loamy, mixed, mesic Aridic Argixerolls
Stingdorn	Loamy-skeletal, mixed, mesic, shallow Typic Durargids
Stodick	Loamy-skeletal, mixed, mesic, shallow Xerollic Haplargids
Stumble	Mixed, mesic Typic Torripsamments
Sumine	Loamy-skeletal, mixed, frigid Aridic Argixerolls
Surgem	Clayey-skeletal, montmorillonitic, mesic Xerollic Haplargids
Surprise	Coarse-loamy, mixed, mesic Aridic Haploxerolls
Sutcliff	Loamy-skeletal, mixed, mesic Typic Haplargids
Tallac	Loamy-skeletal, mixed, frigid Pachic Xerumbrepts
Tanob	Coarse-loamy, mixed, frigid Ultic Argixerolls
Temo	Mixed, shallow Typic Cryopsamments
Thulepah	Fine-loamy, mixed Argic Pachic Cryoborolls
Ticino	Fine-loamy, mixed, frigid Typic Argixerolls
Toiyabe	Mixed, frigid, shallow Typic Xeropsamments
Toulon	Sandy-skeletal, mixed, mesic Typic Camborthids
Tristan	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Trocken	Loamy-skeletal, mixed (calcareous), mesic Typic Torriorthents
Trosi	Clayey-skeletal, montmorillonitic, mesic, shallow Xerollic Durargids
Truckee	Fine-loamy, mixed, mesic Fluvaquentic Haploxerolls
Turria	Fine-loamy, mixed, mesic Xerollic Haplargids
Updike	Fine, montmorillonitic, mesic Typic Natrargids
Vamp	Coarse-loamy, mixed, mesic Aquentic Durorthids
Verdico	Fine, montmorillonitic, mesic Xerollic Paleargids
Verdico Variant	Fine, montmorillonitic, mesic Xerollic Paleargids
Voltaire	Fine-loamy, mixed (calcareous), mesic Fluvaquentic Haplaquolls
Washoe	Loamy-skeletal, mixed, mesic Xerollic Haplargids
Waspo	Fine, montmorillonitic, mesic Entic Chromoxererts

TABLE 17.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Wedekind	Loamy, mixed, mesic, shallow Aridic Argixerolls
Wedertz	Fine-loamy, mixed, mesic Durixerollic Haplargids
Witefels	Mixed Typic Cryopsamments
Wrango	Sandy-skeletal, mixed, mesic Xeric Torriorthents
Xman	Clayey, montmorillonitic, mesic, shallow Xerollic Haplargids
Yuko	Loamy, mixed, mesic, shallow Xerollic Haplargids
Zephan	Clayey-skeletal, montmorillonitic, mesic Xerollic Haplargids

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