

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS

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

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cm ³	In/hr	In/in	pH	Mmhos/cm					Pct
AnA----- Angelo	0-7	30-45	1.25-1.45	0.6-2.0	0.14-0.20	7.9-8.4	<2	Moderate	0.32	4	4	1-4
	7-36	35-50	1.35-1.55	0.2-0.6	0.14-0.20	7.9-8.4	<2	High-----	0.32			
	36-80	30-45	1.40-1.60	0.6-2.0	0.14-0.20	7.9-8.4	<2	Moderate	0.32			
AnB----- Angelo	0-12	30-45	1.25-1.45	0.6-2.0	0.14-0.20	7.9-8.4	<2	Moderate	0.32	4	4	1-4
	12-36	35-50	1.35-1.55	0.2-0.6	0.14-0.20	7.9-8.4	<2	High-----	0.32			
	36-80	30-45	1.40-1.60	0.6-2.0	0.14-0.20	7.9-8.4	<2	Moderate	0.32			
BPC*: Blakeney-----	0-14	8-18	1.35-1.55	2.0-6.0	0.08-0.14	7.9-8.4	<2	Low-----	0.24	1	3	.5-2
	14-36	---	---	---	---	---	---	---	---			
	36-80	8-18	1.45-1.65	2.6-6.0	0.05-0.12	7.9-8.4	<2	Low-----	0.15			
Spade-----	0-36	10-18	1.40-1.60	2.0-6.0	0.10-0.14	7.9-8.4	<2	Low-----	0.24	2	3	.5-1
	36-80	---	---	---	---	---	---	---	---			
BrA----- Broome	0-8	18-27	1.25-1.45	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43	5	4L	.5-1
	8-44	28-39	1.35-1.55	0.6-2.0	0.10-0.15	7.9-8.4	<2	Moderate	0.43			
	44-60	24-39	1.40-1.60	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43			
BrB----- Broome	0-5	18-27	1.25-1.45	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43	5	4L	.5-1
	5-30	28-39	1.35-1.55	0.6-2.0	0.10-0.15	7.9-8.4	<2	Moderate	0.43			
	30-90	24-39	1.40-1.60	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43			
BrC----- Broome	0-12	18-27	1.25-1.45	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43	5	4L	.5-1
	12-30	28-39	1.35-1.55	0.6-2.0	0.10-0.15	7.9-8.4	<2	Moderate	0.43			
	30-60	24-39	1.40-1.60	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.43			
CHB----- Cho	0-8	20-35	1.30-1.50	0.6-2.0	0.07-0.12	7.9-8.4	<2	Low-----	0.17	1	8	1-2
	8-18	---	---	---	---	---	---	---	---			
	18-80	20-35	1.40-1.60	0.6-2.0	0.05-0.10	7.9-8.4	<2	Low-----	0.15			
CnA----- Conger	0-6	18-27	1.30-1.50	0.6-2.0	0.14-0.20	7.9-8.4	<2	Low-----	0.37	1	4L	1-2
	6-17	27-35	1.30-1.50	0.6-2.0	0.12-0.18	7.9-8.4	<2	Low-----	0.32	1	4L	1-2
	17-22	---	---	---	---	---	---	---	---			
	22-72	20-35	1.35-1.55	0.6-2.0	0.10-0.15	7.9-8.4	<2	Low-----	0.20			
EGB----- Ector	0-6	20-35	1.30-1.45	0.6-2.0	0.05-0.10	7.9-8.4	<2	Very low	0.10	1	8	1-3
	6-24	---	---	---	---	---	---	---	---			
ESE----- Ector	0-8	20-35	1.30-1.45	0.6-2.0	0.04-0.10	7.9-8.4	<2	Very low	0.10	1	8	1-3
	8-30	---	---	---	---	---	---	---	---			
GfB----- Grandfield	0-9	10-18	1.30-1.60	2.0-6.0	0.11-0.15	6.1-7.8	<2	Low-----	0.24	5	3	.5-1
	9-24	20-30	1.50-1.70	0.6-2.0	0.11-0.17	6.1-7.8	<2	Low-----	0.32			
	24-35	20-30	1.50-1.70	0.6-2.0	0.11-0.17	6.6-8.4	<2	Low-----	0.32			
	35-80	15-25	1.50-1.70	2.0-6.0	0.11-0.15	6.6-8.4	<2	Low-----	0.28			
MnA*: Mereta-----	0-16	35-45	1.25-1.45	0.2-0.6	0.15-0.20	7.9-8.4	<2	Moderate	0.32	1	4	1-3
	16-30	---	---	---	---	---	---	---	0.32			
	30-80	---	---	---	---	---	---	---	---			
Nuvalde-----	0-14	35-50	1.20-1.40	0.6-2.0	0.14-0.20	7.9-8.4	<2	High-----	0.28	5	4L	1-3
	14-48	35-50	1.30-1.50	0.6-2.0	0.12-0.18	7.9-8.4	<2	High-----	0.28			
	48-80	28-45	1.40-1.60	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.32			
MnB*: Mereta-----	0-14	35-45	1.25-1.45	0.2-0.6	0.15-0.20	7.9-8.4	<2	Moderate	0.32	1	4	1-3
	14-24	---	---	---	---	---	---	---	0.32			
	24-40	---	---	---	---	---	---	---	---			
Nuvalde-----	0-11	35-50	1.20-1.40	0.6-2.0	0.14-0.20	7.9-8.4	<2	High-----	0.28	5	4L	1-3
	11-60	35-50	1.30-1.50	0.6-2.0	0.12-0.18	7.9-8.4	<2	High-----	0.28			
	60-80	28-45	1.40-1.60	0.6-2.0	0.12-0.18	7.9-8.4	<2	Moderate	0.32			

See footnote at end of table.

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

Map symbol and soil name	Depth		Moist bulk density g/cm ³	Permeability in/hr	Available water capacity in/in	Soil reaction pH	Salinity Mmhos/cm	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter Pct
	In	Pct							K	T		
NOC----- Noelke	0-9 9-12 12-80	28-45 --- ---	1.30-1.50 --- ---	0.6-2.0 --- ---	0.05-0.12 --- ---	7.9-8.4 --- ---	<2 --- ---	Low----- ----- -----	0.10 ----- -----	1	8	1-3
NuA----- Nuvalde	0-11 11-48 48-80	35-50 35-50 28-45	1.20-1.40 1.30-1.50 1.40-1.60	0.6-2.0 0.6-2.0 0.6-2.0	0.14-0.20 0.12-0.18 0.12-0.18	7.9-8.4 7.9-8.4 7.9-8.4	<2 <2 <2	High----- High----- Moderate	0.28 0.28 0.32	5	4L	1-3
NuB----- Nuvalde	0-10 10-50 50-80	35-50 35-50 28-45	1.20-1.40 1.30-1.50 1.40-1.60	0.6-2.0 0.6-2.0 0.6-2.0	0.14-0.20 0.12-0.18 0.12-0.18	7.9-8.4 7.9-8.4 7.9-8.4	<2 <2 <2	High----- High----- Moderate	0.28 0.28 0.32	5	4L	1-3
OcA----- Olton	0-8 8-27 27-80	22-35 35-45 25-45	1.25-1.45 1.30-1.55 1.35-1.65	0.6-2.0 0.2-0.6 0.2-0.6	0.15-0.20 0.14-0.19 0.10-0.16	6.6-8.4 7.4-8.4 7.9-8.4	<2 <2 <2	Moderate Moderate Moderate	0.32 0.32 0.32	5	6	1-2
ReA----- Reagan	0-8 8-30 30-80	27-35 20-45 25-45	1.35-1.50 1.35-1.50 1.35-1.50	0.6-2.0 0.6-2.0 0.6-2.0	0.12-0.16 0.10-0.16 0.10-0.16	7.9-8.4 7.9-8.4 7.9-8.4	<4 <4 <4	Moderate Moderate Moderate	0.32 0.32 0.32	5	4L	.5-2
ReB----- Reagan	0-8 8-36 36-80	27-35 20-45 25-45	1.35-1.50 1.35-1.50 1.35-1.50	0.6-2.0 0.6-2.0 0.6-2.0	0.12-0.16 0.10-0.16 0.10-0.16	7.9-8.4 7.9-8.4 7.9-8.4	<4 <4 <4	Moderate Moderate Moderate	0.32 0.32 0.32	5	4L	.5-2
Ro----- Rioconcho	0-80	35-45	1.30-1.50	0.06-0.2	0.15-0.20	7.4-8.4	<2	High-----	0.32	5	4	1-4
RV*: Rioconcho	0-80	35-40	1.30-1.50	0.06-0.2	0.15-0.20	7.4-8.4	<2	High-----	0.32	5	4	1-4
Dev----- Dev	0-8 8-22 22-80	27-35 18-27 18-35	1.30-1.50 1.30-1.50 1.30-1.50	2.0-6.0 2.0-6.0 2.0-6.0	0.06-0.10 0.03-0.10 0.03-0.10	7.9-8.4 7.9-8.4 7.9-8.4	<2 <2 <2	Low----- Very low Very low	0.15 0.10 0.10	5	8	1-3
TAB----- Tarrant	0-13 13-30	40-60 ---	1.35-1.55 ---	0.2-0.6 ---	0.10-0.17 ---	7.9-8.4 ---	<2 ---	Moderate -----	0.15 -----	1	8	2-7
ToA----- Tobosa	0-23 23-49 49-60	40-60 40-60 ---	1.35-1.40 1.35-1.40 ---	<0.06 <0.06 ---	0.12-0.18 0.10-0.18 ---	7.4-8.4 7.9-8.4 ---	<2 <2 ---	Very high Very high -----	0.32 0.32 -----	5	4	1-3

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