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 "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	Shrink-swell potential	Erosion factors		Organic matter
								K	T	
	In	Pct	G/cm3	In/hr	In/in	pH				Pct
BaA---------- Barbarosa	0-12	30-40	1.35-1.55	0.2-0.6	0.14-0.19	7.4-8.4	High---------	0.32	5	1-3
	12-32	40-60	1.35-1.60	0.06-0.2	0.14-0.19	7.9-8.4	High---------	0.32		
	32-65	40-50	1.40-1.60	0.2-0.6	0.14-0.19	7.9-8.4	High---------	0.32		
Be---------- Boerne	0-63	12-23	1.20-1.50	2.0-6.0	0.10-0.15	7.9-8.4	Low----------	0.28	5	.5-1
DnB---------- Denton	0-12	40-55	1.18-1.32	0.06-0.2	0.11-0.16	7.9-8.4	High---------	0.32	4	1-4
	12-35	20-37	1.40-1.65	0.6-2.0	0.11-0.14	7.9-8.4	Moderate-----	0.43		
	35-50	12-35	1.40-1.65	0.6-2.0	0.08-0.12	7.9-8.4	Low----------	0.35		
	50-60	---	---	---	---	---	----------	----		
DpB---------- Depalt	0-6	35-40	1.35-1.55	0.06-0.2	0.15-0.19	6.6-7.3	High---------	0.32	5	1-3
	6-26	40-60	1.35-1.60	<0.06	0.13-0.18	6.6-8.4	High---------	0.32		
	26-63	40-60	1.35-1.60	0.06-0.2	0.10-0.16	7.9-8.4	High---------	0.32		
DrB*:										
Depalt----------	0-6	35-40	1.35-1.55	0.06-0.2	0.15-0.19	6.6-7.3	High---------	0.32	5	1-3
	6-26	40-60	1.35-1.60	<0.06	0.13-0.18	6.6-8.4	High---------	0.32		
	26-63	40-60	1.35-1.60	0.06-0.2	0.10-0.16	7.9-8.4	High---------	0.32		
Urban land.										
DsC---------- Doss	0-17	32-48	1.10-1.40	0.2-0.6	0.12-0.16	7.9-8.4	Moderate-----	0.28	1	1-3
	17-40	---	---	---	---	---	----------	----		
DsD*:										
Doss----------	0-17	32-48	1.10-1.40	0.2-0.6	0.12-0.16	7.9-8.4	Moderate-----	0.28	1	1-3
	17-40	---	---	---	---	---	----------	----		
Urban land.										
DTD*:										
Doss----------	0-17	32-48	1.10-1.40	0.2-0.6	0.12-0.16	7.9-8.4	Moderate-----	0.28	1	1-3
	17-40	---	---	---	---	---	----------	----		
Kerrville--------	0-8	14-35	1.30-1.50	0.6-2.0	0.11-0.16	7.9-8.4	Low----------	0.32	2	1-3
	8-15	10-35	1.30-1.50	0.6-2.0	0.09-0.14	7.9-8.4	Low----------	0.17		
	15-24	10-30	1.30-1.50	0.6-2.0	0.03-0.08	7.9-8.4	Low----------	0.10		
	24-30	---	---	---	---	---	----------	----		
ECC*:										
Eckrant----------	0-12	40-60	1.35-1.55	0.2-0.6	0.05-0.12	6.6-8.4	Moderate-----	0.15	1	1-4
	12-20	---	---	---	---	---	----------	----		
Comfort----------	0-8	35-50	1.30-1.50	0.06-0.2	0.07-0.15	6.6-8.4	Low----------	0.10	1	1-4
	8-14	55-75	1.30-1.60	0.06-0.2	0.07-0.15	6.6-8.4	Moderate-----	0.10		
	14-20	---	---	---	---	---	----------	----		
ERG*:										
Eckrant----------	0-12	40-60	1.35-1.55	0.2-0.6	0.05-0.12	6.6-8.4	Moderate-----	0.15	1	1-4
	12-20	---	---	---	---	---	----------	----		
Rock outcrop.										
KeD---------- Kerrville	0-8	14-35	1.30-1.50	0.6-2.0	0.11-0.16	7.9-8.4	Low----------	0.32	2	1-3
	8-15	10-35	1.30-1.50	0.6-2.0	0.09-0.14	7.9-8.4	Low----------	0.17		
	15-24	10-30	1.30-1.50	0.6-2.0	0.03-0.08	7.9-8.4	Low----------	0.10		
	24-30	---	---	---	---	---	----------	----		

See footnote at end of table.

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

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Shrink-swell potential	Erosion factors K	Erosion factors T	Organic matter
	In	Pct	G/cm³	In/hr	In/in	pH				Pct
KfF*:										
Kerrville-------	0-8	14-35	1.30-1.50	0.6-2.0	0.11-0.16	7.9-8.4	Low----------	0.32	2	1-3
	8-15	10-35	1.30-1.50	0.6-2.0	0.09-0.14	7.9-8.4	Low----------	0.17		
	15-24	10-30	1.30-1.50	0.6-2.0	0.03-0.08	7.9-8.4	Low----------	0.10		
	24-30	---	---	---	---	---	----------	----		
Urban land.										
KNG*:										
Kerrville-------	0-8	14-35	1.30-1.50	0.6-2.0	0.09-0.15	7.9-8.4	Low----------	0.20	2	1-3
	8-15	10-35	1.30-1.50	0.6-2.0	0.09-0.14	7.9-8.4	Low----------	0.17		
	15-24	10-30	1.30-1.50	0.6-2.0	0.03-0.08	7.9-8.4	Low----------	0.10		
	24-30	---	---	---	---	---	----------	----		
Real----------	0-16	22-35	1.25-1.55	0.6-2.0	0.05-0.10	7.9-8.4	Low----------	0.10	1	1-4
	16-40	---	---	---	---	---	----------	----		
KrB, KrC---------	0-21	40-55	1.35-1.55	0.2-0.6	0.15-0.20	7.4-8.4	High---------	0.32	5	1-3
Krum	21-43	40-60	1.35-1.65	0.2-0.6	0.14-0.20	7.9-8.4	High---------	0.32		
	43-63	35-60	1.40-1.65	0.2-0.6	0.14-0.20	7.9-8.4	High---------	0.32		
KuB*:										
Krum----------	0-21	40-55	1.35-1.55	0.2-0.6	0.15-0.20	7.4-8.4	High---------	0.32	5	1-3
	21-43	40-60	1.35-1.65	0.2-0.6	0.14-0.20	7.9-8.4	High---------	0.32		
	43-63	35-60	1.40-1.65	0.2-0.6	0.14-0.20	7.9-8.4	High---------	0.32		
Urban land.										
NuA, NuB---------	0-12	40-50	1.10-1.40	0.6-2.0	0.14-0.20	7.9-8.4	High---------	0.28	5	1-3
Nuvalde	12-40	40-50	1.20-1.45	0.6-2.0	0.12-0.18	7.9-8.4	High---------	0.28		
	40-63	28-45	1.25-1.45	0.6-2.0	0.12-0.18	7.9-8.4	Moderate-----	0.32		
Oa----------	0-63	25-43	1.20-1.50	0.6-2.0	0.12-0.19	7.9-8.4	Moderate-----	0.32	5	1-3
Oakalla										
OB*:										
Orif----------	0-9	2-16	1.25-1.50	6.0-20	0.03-0.08	7.9-8.4	Low----------	0.10	5	.5-2
	9-60	2-8	1.20-1.50	6.0-20	0.03-0.08	7.9-8.4	Low----------	0.10		
Boerne----------	0-63	12-23	1.20-1.50	2.0-6.0	0.10-0.15	7.9-8.4	Low----------	0.28	5	.5-1
PTD*:										
Purves----------	0-15	40-55	1.35-1.55	0.2-0.6	0.08-0.15	7.9-8.4	High---------	0.17	1	1-3
	15-17	---	---	---	---	---	----------	----		
Tarrant---------	0-9	40-60	1.35-1.55	0.2-0.6	0.10-0.17	7.9-8.4	Low----------	0.10	1	2-7
	9-10	---	---	---	---	---	----------	----		
STC*:										
Spires----------	0-5	18-36	1.35-1.60	0.6-2.0	0.09-0.18	6.1-7.8	Moderate-----	0.17	2	1-3
	5-23	42-57	1.40-1.65	0.06-0.2	0.13-0.18	6.1-7.8	High---------	0.28		
	23-25	---	---	---	---	---	----------	----		
Tarpley---------	0-7	30-50	---	0.2-0.6	0.10-0.16	6.1-7.8	High---------	0.17	1	1-4
	7-18	60-80	---	0.06-0.2	0.10-0.18	6.1-7.8	Very high----	0.32		
	18-19	---	---	---	---	---	----------	----		
SuA----------	0-14	20-40	1.20-1.50	0.6-2.0	0.11-0.16	7.9-8.4	Moderate-----	0.28	5	1-3
Sunev	14-23	20-40	1.20-1.50	0.6-2.0	0.11-0.16	7.9-8.4	Low----------	0.28		
	23-63	20-40	1.10-1.40	0.6-2.0	0.11-0.16	7.9-8.4	Low----------	0.28		
TpB----------	0-7	30-50	1.35-1.60	0.2-0.6	0.15-0.20	6.1-7.8	High---------	0.32	1	1-4
Tarpley	7-18	60-80	1.50-1.75	0.06-0.2	0.12-0.18	6.1-7.8	Very high----	0.32		
	18-19	---	---	---	---	---	----------	----		

See footnote at end of table.

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

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Shrink-swell potential	Erosion factors K	Erosion factors T	Organic matter
	In	Pct	G/cm3	In/hr	In/in	pH				Pct
TRC*:										
Tarpley---------	0-7	30-50	---	0.2-0.6	0.10-0.16	6.1-7.8	High---------	0.17	1	1-4
	7-18	60-80	---	0.06-0.2	0.10-0.18	6.1-7.8	Very high----	0.32		
	18-19	---	---	---	---	---	----------	----		
Roughcreek------	0-8	30-45	1.35-1.55	0.2-0.6	0.10-0.16	6.1-7.8	Low----------	0.32	1	1-3
	8-17	40-60	1.40-1.60	0.06-0.2	0.10-0.18	6.1-7.8	Moderate-----	0.32		
	17-20	---	---	---	---	---	----------	----		
TTC*:										
Tarrant---------	0-9	40-60	1.35-1.55	0.2-0.6	0.10-0.17	7.9-8.4	Low----------	0.10	1	2-7
	9-10	---	---	---	---	---	----------	----		
Eckrant---------	0-12	40-60	1.35-1.55	0.2-0.6	0.05-0.12	6.6-8.4	Moderate-----	0.15	1	1-4
	12-20	---	---	---	---	---	----------	----		
UdB*:										
Urban land.										
Nuvalde---------	0-12	40-50	1.10-1.40	0.6-2.0	0.14-0.20	7.9-8.4	High---------	0.28	5	1-3
	12-40	40-50	1.20-1.45	0.6-2.0	0.12-0.18	7.9-8.4	High---------	0.28		
	40-63	28-45	1.25-1.45	0.6-2.0	0.12-0.18	7.9-8.4	Moderate-----	0.32		
Uk*:										
Urban land.										
Oakalla---------	0-63	25-43	1.20-1.50	0.6-2.0	0.12-0.19	7.9-8.4	Moderate-----	0.32	5	1-3

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