

TABLE 19.--PHYSICAL AND CHEMICAL PROPERTIES OF 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	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group
							K	T	
	In	In/hr	In/in	pH	Mmhos/cm				
AaB----- Alice	0-8 8-28 28-43 43-60	0.6-6.0 2.0-6.0 2.0-6.0 6.0-20	0.14-0.18 0.10-0.15 0.09-0.15 0.03-0.06	6.1-7.3 6.1-7.8 7.4-8.4 7.4-8.4	<2 <2 <2 <2	Low----- Low----- Low----- Low-----	0.20 0.20 0.20 0.10	5	3
Ba, Bb----- Barnum	0-3 3-60	0.6-2.0 0.6-2.0	0.19-0.21 0.16-0.18	7.4-9.0 7.4-9.0	4-8 4-8	Low----- Moderate	0.37 0.28	5	4L
BcA, BcB, BcC----- Boneek	0-8 8-22 22-47 47-60	0.6-2.0 0.2-0.6 0.6-2.0 ---	0.19-0.22 0.11-0.17 0.16-0.20 ---	6.1-7.3 6.1-7.8 7.4-9.0 ---	<2 <2 <4 ---	Low----- Moderate Moderate ---	0.32 0.43 0.43 ---	5	6
BDE*: Buska-----	0-15 15-37 37-60	0.6-2.0 0.6-2.0 0.6-2.0	0.12-0.15 0.09-0.13 0.09-0.13	6.1-7.3 6.1-7.3 6.1-7.8	<2 <2 <2	Low----- Moderate Low-----	0.24 0.24 0.24	3	8
Rock outcrop.									
BeE----- Butche	0-3 3-13 13-20	0.6-6.0 0.6-2.0 ---	0.14-0.20 0.16-0.18 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Moderate Moderate ---	0.24 0.24 ---	2	8
BhE*: Butche-----	0-3 3-13 13-20	0.6-6.0 0.6-2.0 ---	0.14-0.20 0.16-0.18 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Moderate Moderate ---	0.24 0.24 ---	2	8
Rock outcrop.									
BkD*: Butche-----	0-3 3-13 13-20	0.6-6.0 0.6-2.0 ---	0.14-0.20 0.16-0.18 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Moderate Moderate ---	0.24 0.24 ---	2	6
Satanta-----	0-7 7-60	0.6-2.0 0.6-2.0	0.20-0.22 0.15-0.19	6.1-7.8 6.6-8.4	<2 <2	Low----- Moderate	0.28 0.28	5	5
CaD*, CaE*: Canyon-----	0-3 3-16 16-35	0.6-2.0 0.6-2.0 ---	0.15-0.18 0.13-0.18 ---	7.4-8.4 7.4-8.4 ---	<2 <2 ---	Low----- Low----- ---	0.24 0.32 ---	2	8
Bridget-----	0-10 10-60	0.6-2.0 0.6-2.0	0.20-0.24 0.17-0.19	6.6-7.8 7.4-8.4	<2 <2	Low----- Low-----	0.32 0.43	5	5
CBE*----- Citadel	0-11 11-25 25-60	0.6-2.0 0.2-0.6 0.2-2.0	0.16-0.18 0.11-0.17 0.17-0.20	5.6-6.5 5.1-6.5 6.6-8.4	<2 <2 <2	Low----- High----- Moderate	0.37 0.37 0.37	5	8
Cc*. Dumps									
EaD*: Enning-----	0-4 4-17 17-60	0.6-2.0 0.6-2.0 ---	0.14-0.17 0.14-0.17 ---	6.6-7.8 7.4-8.4 ---	<2 <2 ---	Low----- Low----- ---	0.43 0.43 ---	2	4L
Minnequa-----	0-3 3-26 26-60	0.2-2.0 0.6-2.0 ---	0.18-0.21 0.16-0.18 ---	7.4-8.4 7.4-8.4 ---	<2 <4 ---	Low----- Low----- ---	0.28 0.32 ---	2	6

See footnote at end of table.