Tables

TABLE 1.--TEMPERATURE AND PRECIPITATION DATA

Month	Temperature[1]						Precipitation[1]				
	Average daily maximum	Average daily minimum	Average daily	2 years in 10 will have-- Maximum temperature higher than--	2 years in 10 will have-- Minimum temperature lower than--	Average number of growing degree days[2]	Average	2 years in 10 will have-- Less than--	2 years in 10 will have-- More than--	Average number of days with 0.10 inch or more	Average snowfall
	°F	°F	°F	°F	°F		In	In	In		In
January	43.1	16.2	29.7	67	-13	27	.27	.07	.42	1	4.3
February	45.2	18.9	32.1	70	-8	46	.32	.13	.46	1	4.7
March	48.6	22.7	35.7	75	-1	81	.73	.29	1.08	2	9.0
April	59.0	31.9	45.5	80	12	203	1.18	.27	1.88	3	7.3
May	68.8	42.3	55.6	88	26	484	2.26	.95	3.32	5	1.3
June	79.6	51.1	65.4	96	37	762	2.01	.63	3.11	4	.0
July	84.6	56.9	70.7	98	46	952	3.05	1.83	4.13	8	.0
August	82.6	55.3	69.0	95	44	899	2.37	1.10	3.40	6	.0
September	74.7	46.9	60.8	91	31	624	1.40	.66	2.01	3	1.9
October	64.3	36.7	50.5	83	17	340	.84	.17	1.35	2	3.5
November	50.8	24.5	37.7	73	0	80	.49	.13	.78	2	5.2
December	44.3	18.0	31.2	70	-4	25	.29	.08	.45	1	4.5
Year	62.1	35.1	48.7	98	-16	4,523	15.21	11.45	18.73	38	41.7

[1]Recorded in the period 1951-73 at Colorado Springs, Colorado.

[2]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 (40° F).

TABLE 2.--FREEZE DATES IN SPRING AND FALL

Probability	Minimum temperature[1]		
	24° F or lower	28° F or lower	32° F or lower
Last freezing temperature in spring:			
1 year in 10 later than--	May 4	May 14	May 22
2 years in 10 later than--	April 28	May 9	May 17
5 years in 10 later than--	April 17	April 30	May 8
First freezing temperature in fall:			
1 year in 10 earlier than--	October 11	September 29	September 19
2 years in 10 earlier than--	October 16	October 5	September 25
5 years in 10 earlier than--	October 26	October 16	October 7

[1]Recorded in the period 1951-73 at Colorado Springs, Colorado.

TABLE 3.--GROWING SEASON LENGTH

Probability	Daily minimum temperature during growing season[1]		
	Higher than 24° F	Higher than 28° F	Higher than 32° F
	Days	Days	Days
9 years in 10	168	152	126
8 years in 10	176	158	135
5 years in 10	191	168	151
2 years in 10	207	179	167
1 year in 10	215	184	176

[1]Recorded in the period 1951-73 at Colorado Springs, Colorado.

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

Map symbol	Soil name	Acres	Percent
1	Alamosa loam, 1 to 3 percent slopes	2,440	0.2
2	Ascalon sandy loam, 1 to 3 percent slopes	30,470	2.4
3	Ascalon sandy loam, 3 to 9 percent slopes	28,740	2.3
4	Badland	3,720	0.3
5	Bijou loamy sand, 1 to 8 percent slopes	18,800	1.5
6	Bijou sandy loam, 1 to 3 percent slopes	14,910	1.2
7	Bijou sandy loam, 3 to 8 percent slopes	18,770	1.5
8	Blakeland loamy sand, 1 to 9 percent slopes	77,410	6.2
9	Blakeland complex, 1 to 9 percent slopes	6,560	0.5
10	Blendon sandy loam, 0 to 3 percent slopes	12,380	1.0
11	Bresser sandy loam, 0 to 3 percent slopes	25,670	2.0
12	Bresser sandy loam, 3 to 5 percent slopes	40,950	3.3
13	Bresser sandy loam, 5 to 9 percent slopes	6,530	0.5
14	Brussett loam, 1 to 3 percent slopes	1,080	0.1
15	Brussett loam, 3 to 5 percent slopes	4,570	0.4
16	Chaseville gravelly sandy loam, 1 to 8 percent slopes	4,130	0.3
17	Chaseville gravelly sandy loam, 8 to 40 percent slopes	1,720	0.1
18	Chaseville-Midway complex	5,170	0.4
19	Columbine gravelly sandy loam, 0 to 3 percent slopes	26,380	2.1
20	Connerton-Rock outcrop complex, 8 to 90 percent slopes	4,500	0.4
21	Cruckton sandy loam, 1 to 9 percent slopes	1,790	0.1
22	Cushman loam, 1 to 5 percent slopes	5,640	0.4
23	Cushman loam, 5 to 15 percent slopes	4,060	0.3
24	Cushman-Kutch complex, 3 to 12 percent slopes	6,120	0.5
25	Elbeth sandy loam, 3 to 8 percent slopes	6,590	0.5
26	Elbeth sandy loam, 8 to 15 percent slopes	8,080	0.6
27	Elbeth-Pring complex, 5 to 30 percent slopes	2,870	0.2
28	Ellicott loamy coarse sand, 0 to 5 percent slopes	27,220	2.2
29	Fluvaquentic Haplaquolls, nearly level	4,130	0.3
30	Fort Collins loam, 0 to 3 percent slopes	11,090	0.9
31	Fort Collins loam, 3 to 8 percent slopes	8,120	0.6
32	Fortwingate-Rock outcrop complex, 15 to 60 percent slopes	4,160	0.3
33	Heldt clay loam, 0 to 3 percent slopes	6,760	0.5
34	Holderness loam, 1 to 5 percent slopes	1,260	0.1
35	Holderness loam, 5 to 8 percent slopes	740	0.1
36	Holderness loam, 8 to 15 percent slopes	810	0.1
37	Jarre gravelly sandy loam, 1 to 8 percent slopes	1,520	0.1
38	Jarre-Tecolote complex, 8 to 65 percent slopes	12,950	1.0
39	Keith silt loam, 0 to 3 percent slopes	5,380	0.4
40	Kettle gravelly loamy sand, 3 to 8 percent slopes	13,830	1.1
41	Kettle gravelly loamy sand, 8 to 40 percent slopes	23,600	1.9
42	Kettle-Rock outcrop complex	6,390	0.5
43	Kim loam, 1 to 8 percent slopes	3,860	0.3
44	Kutch clay loam, 3 to 5 percent slopes	2,810	0.2
45	Kutch clay loam, 5 to 20 percent slopes	2,030	0.2
46	Kutler-Broadmoor-Rock outcrop complex, 25 to 90 percent slopes	9,600	0.8
47	Limon clay, 0 to 3 percent slopes	10,110	0.8
48	Louviers silty clay loam, 3 to 18 percent slopes	2,540	0.2
49	Louviers cobbly clay loam, 5 to 40 percent slopes	610	([1])
50	Manvel loam, 3 to 9 percent slopes	1,420	0.1
51	Manzanola clay loam, 0 to 1 percent slopes	2,030	0.2
52	Manzanola clay loam, 1 to 3 percent slopes	8,080	0.6
53	Manzanola clay loam, 3 to 9 percent slopes	2,200	0.2
54	Midway clay loam, 3 to 25 percent slopes	8,660	0.7
55	Nederland cobbly sandy loam, 9 to 25 percent slopes	4,060	0.3
56	Nelson-Tassel fine sandy loams, 3 to 18 percent slopes	11,940	1.0
57	Neville fine sandy loam, 3 to 9 percent slopes	3,480	0.3
58	Neville-Rednun complex, 3 to 9 percent slopes	2,430	0.2
59	Nunn clay loam, 0 to 3 percent slopes	7,610	0.6
60	Olney sandy loam, 0 to 3 percent slopes	44,100	3.5
61	Olney sandy loam, 3 to 5 percent slopes	25,500	2.0
62	Olney and Vona soils, eroded	18,020	1.4
63	Paunsaugunt-Rock outcrop complex, 15 to 65 percent slopes	1,390	0.1
64	Penrose-Manvel complex, 3 to 45 percent slopes	3,180	0.3
65	Perrypark gravelly sandy loam, 3 to 9 percent slopes	980	0.1
66	Peyton sandy loam, 1 to 5 percent slopes	1,320	0.1
67	Peyton sandy loam, 5 to 9 percent slopes	5,740	0.5
68	Peyton-Pring complex, 3 to 8 percent slopes	17,210	1.4
69	Peyton-Pring complex, 8 to 15 percent slopes	12,850	1.0
70	Pits, gravel	140	([1])

See footnote at end of table.

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

Map symbol	Soil name	Acres	Percent
71	Pring coarse sandy loam, 3 to 8 percent slopes	22,620	1.8
72	Pring coarse sandy loam, 8 to 15 percent slopes	7,680	0.6
73	Razor clay loam, 3 to 9 percent slopes	3,750	0.3
74	Razor stony clay loam, 5 to 15 percent slopes	3,420	0.3
75	Razor-Midway complex	33,310	2.7
76	Rizozo-Neville complex, 3 to 30 percent slopes	8,860	0.7
77	Rock outcrop-Coldcreek-Tolman complex, 9 to 90 percent slopes	15,150	1.2
78	Sampson loam, 0 to 3 percent slopes	9,400	0.7
79	Satanta loam, 0 to 3 percent slopes	4,900	0.4
80	Satanta loam, 3 to 5 percent slopes	1,590	0.1
81	Satanta-Neville complex, 3 to 8 percent slopes	2,160	0.2
82	Schamber-Razor complex, 8 to 50 percent slopes	16,500	1.3
83	Stapleton sandy loam, 3 to 8 percent slopes	8,720	0.7
84	Stapleton sandy loam, 8 to 15 percent slopes	5,310	0.4
85	Stapleton-Bernal sandy loams, 3 to 20 percent slopes	6,020	0.5
86	Stoneham sandy loam, 3 to 8 percent slopes	17,350	1.4
87	Stoneham sandy loam, 8 to 15 percent slopes	5,820	0.5
88	Stroupe-Travessilla-Rock outcrop complex, 9 to 90 percent slopes	7,470	0.6
89	Tassel fine sandy loam, 3 to 18 percent slopes	3,690	0.3
90	Terry sandy loam, 1 to 8 percent slopes	2,400	0.2
91	Terry-Razor complex, 3 to 20 percent slopes	3,280	0.3
92	Tomah-Crowfoot loamy sands, 3 to 8 percent slopes	13,160	1.0
93	Tomah-Crowfoot loamy sands, 8 to 15 percent slopes	6,940	0.6
94	Travessilla-Rock outcrop complex, 8 to 90 percent slopes	5,380	0.4
95	Truckton loamy sand, 1 to 9 percent slopes	16,060	1.3
96	Truckton sandy loam, 0 to 3 percent slopes	31,080	2.5
97	Truckton sandy loam, 3 to 9 percent slopes	72,980	5.8
98	Truckton-Blakeland complex, 9 to 20 percent slopes	2,600	0.2
99	Truckton-Bresser complex, 5 to 20 percent slopes	7,470	0.6
100	Truckton-Bresser complex, eroded	9,710	0.8
101	Ustic Torrifluvents, loamy	24,920	2.0
102	Valent sand, 1 to 9 percent slopes	61,310	4.9
103	Valent sand, 9 to 20 percent slopes	11,400	0.9
104	Vona sandy loam, 1 to 3 percent slopes	9,840	0.8
105	Vona sandy loam, 3 to 9 percent slopes	29,250	2.3
106	Wigton loamy sand, 1 to 8 percent slopes	21,410	1.7
107	Wiley silt loam, 1 to 3 percent slopes	4,230	0.3
108	Wiley silt loam, 3 to 9 percent slopes	10,340	0.8
109	Yoder gravelly sandy loam, 1 to 8 percent slopes	5,750	0.5
110	Yoder gravelly sandy loam, 8 to 25 percent slopes	2,500	0.2
	Military impact area, (unsurveyed)	7,800	0.6
	Water	400	([1])
	Total	1,255,840	100.0

[1]Less than 0.1 percent.

TABLE 5.--ESTIMATED POTENTIAL YIELDS PER ACRE OF CROPS

[Yields in columns N are for nonirrigated soils; those in columns I are for irrigated soils. All yields were estimated for a high level of management. Absence of a yield figure indicates the crop is seldom grown or is not suited. Only arable soils are listed]

Soil name and map symbol	Alfalfa hay		Corn		Corn silage		Grain sorghum		Grass-legume hay		Wheat	
	N	I	N	I	N	I	N	I	N	I	N	I
	Ton	Ton	Bu	Bu	Ton	Ton	Bu	Bu	Ton	Ton	Bu	Bu
Alamosa:												
1	---	---	---	---	---	---	---	---	---	2.0	---	---
Ascalon:												
2	---	---	18	---	---	---	15	---	---	---	20	---
3	---	---	---	---	---	---	12	---	---	---	17	---
Bijou:												
5	---	3.5	---	90	---	---	---	---	---	---	---	---
6	---	4.0	10	100	---	20	---	---	---	---	---	---
Blakeland:												
8	---	3	---	65	---	---	---	---	---	---	---	---
Bresser:												
11	---	4.5	20	110	---	22	---	---	---	---	22	---
12	---	---	18	---	---	---	---	---	---	---	20	---
13	---	---	---	---	---	---	---	---	---	---	16	---
Brussett:												
14	---	---	---	---	---	---	---	---	---	---	23	---
15	---	---	---	---	---	---	---	---	---	---	20	---
Cruckton:												
21	---	---	---	---	---	---	---	---	---	---	20	---
Cushman:												
22	---	---	---	---	---	---	---	---	---	---	18	---
Fort Collins:												
30	---	---	---	---	---	---	14	---	---	---	18	---
Heldt:												
33	---	4.0	---	100	---	20	---	---	---	---	---	---
Holderness:												
34	---	---	---	---	---	---	---	---	---	---	20	---
35, 36	---	---	---	---	---	---	---	---	---	---	17	---
Keith:												
39	---	4.5	---	120	---	21	---	---	---	---	18	---
Kutch:												
44	---	---	---	---	---	---	---	---	---	---	20	---
Limon:												
47	---	3.5	---	---	---	---	---	---	---	---	---	---
Manzanola:												
51	---	4.0	---	90	---	19	---	---	---	---	20	40
52	---	3.5	---	80	---	18	---	---	---	---	20	40
Nunn:												
59	---	4.0	---	100	---	20	---	---	---	---	20	60
Olney:												
60	---	---	---	---	---	---	14	---	---	---	14	---

TABLE 5.--ESTIMATED POTENTIAL YIELDS PER ACRE OF CROPS--Continued

Soil name and map symbol	Alfalfa hay		Corn		Corn silage		Grain sorghum		Grass-legume hay		Wheat	
	N	I	N	I	N	I	N	I	N	I	N	I
	Ton	Ton	Bu	Bu	Ton	Ton	Bu	Bu	Ton	Ton	Bu	Bu
Olney:												
61	---	---	---	---	---	---	12	---	---	---	12	---
Peyton:												
66	---	---	---	---	---	---	---	---	---	---	23	---
67	---	---	---	---	---	---	---	---	---	---	20	---
Razor:												
73	1.5	---	---	---	---	---	---	---	---	---	---	---
Sampson:												
78	---	5.0	---	100	---	20	---	---	---	---	22	55
Satanta:												
79	---	---	---	---	---	---	---	---	---	---	22	---
80	---	---	---	---	---	---	---	---	---	---	20	---
Truckton:												
96	---	4.0	---	95	---	20	---	---	---	---	20	---
Ustic Torrifluvents:												
101	---	4.0	---	100	---	20	---	---	---	---	---	---
Vona:												
104	---	3.5	---	100	---	18	14	---	---	---	12	---
Wigton:												
106	---	3.5	---	90	---	17	---	---	---	---	---	---

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION

[Soils not listed are not in range sites; such soils can be used for grazing if grass cover is established]

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Alamosa:					
1	Mountain meadow	Favorable	4,000	Tufted hairgrass	35
		Normal	2,500	Sedge	15
		Unfavorable	2,000	Bluejoint reedgrass	10
				Slender wheatgrass	10
				Baltic rush	5
				Shrubby cinquefoil	5
				Willow	5
Ascalon:					
2, 3	Sandy plains	Favorable	2,000	Blue grama	25
		Normal	1,400	Western wheatgrass	20
		Unfavorable	800	Needleandthread	10
				Sand bluestem	10
				Big bluestem	8
				Sedge	5
				Prairie sandreed	5
				Sand sagebrush	5
Bijou:					
5, 6, 7	Sandy plains	Favorable	2,000	Blue grama	25
		Normal	1,400	Needleandthread	15
		Unfavorable	800	Prairie sandreed	10
				Sand dropseed	10
				Sand bluestem	5
				Red threeawn	5
				Switchgrass	5
				Sedge	5
Blakeland:					
8	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Sand bluestem	15
		Unfavorable	1,000	Blue grama	15
				Thickspike wheatgrass	10
				Little bluestem	5
				Needleandthread	5
				Sand dropseed	5
				Sedge	5
				Fringed sagebrush	5
19:					
Blakeland part	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Sand bluestem	15
		Unfavorable	1,000	Blue grama	15
				Thickspike wheatgrass	10
				Little bluestem	5
				Needleandthread	5
				Sand dropseed	5
				Sedge	5
				Fringed sagebrush	5
Fluvaquentic Haplaquolls part	Sandy meadow	Favorable	3,300	Switchgrass	25
		Normal	2,500	Sand bluestem	10
		Unfavorable	1,600	Western wheatgrass	10
				Bluegrass	10
				Prairie sandreed	5
				Canada wildrye	5
				Sedge	5
				Indiangrass	5
Blendon:					
10	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Sand bluestem	15
		Unfavorable	1,000	Blue grama	15
				Thickspike wheatgrass	10

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Bresser:					
11, 12, 13	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Blue grama	15
		Unfavorable	1,000	Sand bluestem	10
				Thickspike wheatgrass	10
				Junegrass	5
				Sedge	5
Brussett:					
14, 15	Loamy park	Favorable	1,800	Mountain muhly	20
		Normal	1,200	Arizona fescue	15
		Unfavorable	900	Prairie junegrass	10
				Western wheatgrass	10
				Needlegrass	10
				Bluegrass	5
				Parry oatgrass	5
				Little bluestem	5
				Nodding bromegrass	5
				Elk sedge	5
Chaseville:					
16, 17	Gravelly foothills	Favorable	1,000	Little bluestem	15
		Normal	900	Needleandthread	15
		Unfavorable	700	Prairie sandreed	15
				Mountain muhly	10
				Side-oats grama	10
				Blue grama	8
				Western wheatgrass	5
[1]18:					
Chaseville part	Gravelly foothills	Favorable	1,000	Little bluestem	15
		Normal	900	Needleandthread	15
		Unfavorable	700	Prairie sandreed	15
				Mountain muhly	10
				Side-oats grama	10
				Blue grama	8
				Western wheatgrass	5
Midway part	Shaly foothills	Favorable	1,000	Western wheatgrass	50
		Normal	900	Blue grama	15
		Unfavorable	700	Green needlegrass	10
				Fourwing saltbush	5
				Winterfat	5
Columbine:					
19	Gravelly foothills	Favorable	1,000	Little bluestem	20
		Normal	900	Needleandthread	15
		Unfavorable	700	Prairie sandreed	15
				Mountain muhly	10
				Side-oats grama	10
				Blue grama	8
				Western wheatgrass	5
Connerton:					
[1]20:					
Connerton part	Loamy foothills	Favorable	1,400	Blue grama	25
		Normal	1,000	Western wheatgrass	15
		Unfavorable	800	Green needlegrass	10
				Bluegrass	10
				Needleandthread	10
				Prairie junegrass	5
Rock outcrop part.					

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Cruckton:					
21	Sandy divide	Favorable	2,000	Blue grama	20
		Normal	1,600	Prairie sandreed	15
		Unfavorable	1,000	Western wheatgrass	10
				Little bluestem	6
				Bluegrass	6
				Needleandthread	5
				Pine dropseed	5
				Mountain muhly	5
Cushman:					
22, 23	Loamy foothills	Favorable	1,700	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	800	Needleandthread	10
				Sedge	5
				Green needlegrass	5
[1]24:					
Cushman part	Loamy foothills	Favorable	1,700	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	800	Needleandthread	10
				Sedge	5
				Green needlegrass	5
Kutch part	Clayey foothills	Favorable	1,200	Western wheatgrass	50
		Normal	900	Green needlegrass	10
		Unfavorable	600	Blue grama	10
				Sedge	5
				Side-oats grama	5
Elbeth:					
[1]27:					
Elbeth part.					
Pring part	Loamy park	Favorable	1,800	Arizona fescue	20
		Normal	1,600	Bluegrass	20
		Unfavorable	1,200	Mountain muhly	15
				Needlegrass	10
				Blue grama	10
				Prairie junegrass	5
				Gambel oak	5
Ellicott:					
28	Sandy bottomland	Favorable	1,500	Switchgrass	30
		Normal	1,200	Sand dropseed	15
		Unfavorable	800	Sand reedgrass	10
				Sand bluestem	10
				Sand sagebrush	5
Fluvaquentic Haplaquolls:					
29*	Sandy meadow	Favorable	3,300	Switchgrass	25
		Normal	2,500	Sand bluestem	10
		Unfavorable	1,600	Prairie sandreed	10
				Western wheatgrass	10
				Bluegrass	10
				Canada wildrye	5
				Sedge	5
Fort Collins:					
30, 31	Loamy plains	Favorable	1,500	Blue grama	40
		Normal	1,100	Western wheatgrass	20
		Unfavorable	800	Buffalograss	10
				Sedge	5
				Needleandthread	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Fortwingate:					
[1]32:					
Fortwingate part	Shallow foothills	Favorable	500	Mountainmahogany	20
		Normal	400	Blue grama	10
		Unfavorable	300	Bluegrass	10
				Fringed sagebrush	10
				Little bluestem	5
				Side-oats grama	5
				Sedge	5
Rock outcrop part.					
Heldt:					
33	Alkaline plains	Favorable	1,600	Western wheatgrass	25
		Normal	1,200	Alkali sacaton	15
		Unfavorable	900	Blue grama	15
				Sedge	5
				Prairie junegrass	5
Holderness:					
34, 35, 36	Loamy park	Favorable	1,900	Wheatgrass	25
		Normal	1,500	Needleandthread	10
		Unfavorable	1,200	Prairie junegrass	8
				Blue grama	5
				Bluegrass	5
				Arizona fescue	5
				Little bluestem	5
				Mountain muhly	5
				Mountain brome	5
				Elk sedge	5
Jarre:					
37	Loamy park	Favorable	1,800	Western wheatgrass	20
		Normal	1,500	Blue grama	15
		Unfavorable	1,200	Needlegrass	10
				Arizona fescue	10
				Mountain muhly	8
				Prairie junegrass	5
				Mountain brome	5
[1]38:					
Jarre part	Loamy park	Favorable	1,800	Western wheatgrass	20
		Normal	1,500	Blue grama	15
		Unfavorable	1,200	Needlegrass	10
				Arizona fescue	10
				Mountain muhly	8
				Prairie junegrass	5
				Mountain brome	5
Tecolote part.					
Keith:					
39	Loamy plains	Favorable	1,500	Blue grama	40
		Normal	1,100	Western wheatgrass	15
		Unfavorable	800	Needleandthread	15
				Sedge	5
Kim:					
43	Loamy plains	Favorable	1,400	Blue grama	50
		Normal	1,100	Western wheatgrass	10
		Unfavorable	700	Side-oats grama	10
				Galleta	5
				Sand dropseed	5
Kutch:					
44, 45	Clayey foothills	Favorable	1,200	Western wheatgrass	50
		Normal	900	Green needlegrass	10
		Unfavorable	600	Blue grama	10
				Side-oats grama	5
				Sedge	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Kutler:					
[1]46:					
Kutler part	Loamy park	Favorable	2,000	Mountain muhly	30
		Normal	1,500	Little bluestem	10
		Unfavorable	700	Birchleaf mountainmahogany	10
				Big bluestem	5
				Side-oats grama	5
				Pine dropseed	5
				Gamble oak	5
Broadmoor part.					
Rock outcrop part.					
Limon:					
47	Salt flats	Favorable	800	Alkali sacaton	40
		Normal	600	Western wheatgrass	15
		Unfavorable	400	Blue grama	10
				Buffalograss	5
				Galleta	5
				Greasewood	5
Louviers:					
48, 49	Shaly foothills	Favorable	600	Western wheatgrass	35
		Normal	400	Blue grama	30
		Unfavorable	350	Side-oats grama	10
				Green needlegrass	5
				Spike muhly	5
Manvel:					
50	Loamy plains	Favorable	1,000	Blue grama	50
		Normal	800	Galleta	10
		Unfavorable	500	Winterfat	10
				Sand dropseed	5
				Western wheatgrass	5
Manzanola:					
51, 52	Saline overflow	Favorable	1,800	Alkali sacaton	35
		Normal	1,500	Western wheatgrass	20
		Unfavorable	1,200	Galleta	10
				Buffalograss	5
				Switchgrass	5
53	Loamy plains	Favorable	1,000	Blue grama	50
		Normal	800	Western wheatgrass	15
		Unfavorable	500	Galleta	10
				Buffalograss	5
Midway:					
54	Shaly plains	Favorable	700	Blue grama	25
		Normal	600	Galleta	20
		Unfavorable	400	Western wheatgrass	15
				Alkali sacaton	5
				Fourwing saltbush	5
Nederland:					
55	Gravelly foothills	Favorable	1,200	Mountain muhly	15
		Normal	1,000	Blue grama	12
		Unfavorable	800	Little bluestem	10
				Western wheatgrass	8
				Prairie junegrass	7
				Side-oats grama	6
				Needleandthread	5
Nelson:					
[1]56:					
Nelson part	Sandy plains	Favorable	1,700	Blue grama	45
		Normal	1,500	Prairie junegrass	10
		Unfavorable	800	Side-oats grama	8
				Little bluestem	5
				Needleandthread	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Nelson:					
[1]56:					
Tassel part	Sandy plains	Favorable	1,700	Blue grama	40
		Normal	1,100	Prairie sandreed	10
		Unfavorable	750	Side-oats grama	10
				Needleandthread	10
				Little bluestem	5
Neville:					
57	Loamy foothills	Favorable	1,500	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	900	Needlegrass	15
				Prairie junegrass	15
				Indian ricegrass	5
				Side-oats grama	5
[1]58:					
Neville part	Loamy foothills	Favorable	1,500	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	900	Needlegrass	15
				Prairie junegrass	15
				Indian ricegrass	5
				Side-oats grama	5
Rednun part	Loamy foothills	Favorable	1,500	Western wheatgrass	25
		Normal	1,200	Blue grama	20
		Unfavorable	900	Prairie junegrass	20
				Green needlegrass	10
				Bluegrass	5
Nunn:					
59	Clayey plains	Favorable	1,300	Blue grama	40
		Normal	950	Western wheatgrass	25
		Unfavorable	800	Buffalograss	10
				Fourwing saltbush	8
Olney:					
60, 61	Sandy plains	Favorable	1,500	Blue grama	35
		Normal	900	Sand dropseed	20
		Unfavorable	600	Little bluestem	10
				Needlegrass	5
				Prairie sandreed	5
				Yucca	5
[1]62:					
Olney part	Sandy plains	Favorable	1,500	Blue grama	40
		Normal	900	Sand dropseed	20
		Unfavorable	600	Little bluestem	10
				Needlegrass	5
				Prairie sandreed	5
Vona part	Sandy plains	Favorable	1,600	Blue grama	35
		Normal	1,400	Wheatgrass	10
		Unfavorable	800	Sand dropseed	10
				Side-oats grama	8
				Little bluestem	5
				Prairie sandreed	5
				Sedge	5
Paunsaugunt:					
[1]63:					
Paunsaugunt part	Rocky loam	Favorable	900	Arizona fescue	25
		Normal	700	Mountain muhly	20
		Unfavorable	500	Needlegrass	10
				Bluegrass	5
				Parry oatgrass	5
				Junegrass	5
				Western wheatgrass	5
Rock outcrop part.					

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Penrose:					
[1]64:					
Penrose part	Shallow foothills	Favorable	500	Mountainmahogany	20
		Normal	400	Blue grama	15
		Unfavorable	300	Bluegrass	10
				Fringed sagebrush	10
				Side-oats grama	10
				Little bluestem	10
Manvel part	Loamy foothills	Favorable	1,400	Blue grama	30
		Normal	1,200	Galleta	15
		Unfavorable	800	Winterfat	10
				Sand dropseed	5
				Western wheatgrass	5
Perrypark:					
65	Loamy park	Favorable	2,000	Mountain muhly	15
		Normal	1,400	Western wheatgrass	15
		Unfavorable	1,000	Little bluestem	10
				Prairie sandreed	10
				Big bluestem	10
				Needleandthread	7
				Arizona fescue	5
				Blue grama	5
Peyton:					
66, 67	Sandy divide	Favorable	2,000	Prairie sandreed	25
		Normal	1,500	Mountain muhly	15
		Unfavorable	900	Sand bluestem	10
				Little bluestem	10
				Blue grama	10
				Prairie junegrass	10
				Western wheatgrass	5
[1]68:					
Peyton part	Sandy divide	Favorable	2,000	Prairie sandreed	25
		Normal	1,500	Mountain muhly	15
		Unfavorable	900	Sand bluestem	10
				Little bluestem	10
				Blue grama	10
				Prairie junegrass	10
				Western wheatgrass	5
Pring part	Loamy park	Favorable	1,800	Arizona fescue	20
		Normal	1,600	Bluegrass	20
		Unfavorable	1,200	Mountain muhly	15
				Needlegrass	10
				Blue grama	10
				Prairie junegrass	5
				Gambel oak	5
[1]69:					
Peyton part	Sandy divide	Favorable	2,000	Prairie sandreed	25
		Normal	1,500	Mountain muhly	15
		Unfavorable	900	Sand bluestem	10
				Little bluestem	10
				Blue grama	10
				Prairie junegrass	10
				Western wheatgrass	5
Pring part	Loamy park	Favorable	1,800	Arizona fescue	20
		Normal	1,600	Bluegrass	20
		Unfavorable	1,200	Mountain muhly	15
				Needlegrass	10
				Blue grama	10
				Prairie junegrass	5
				Gambel oak	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Pring:					
71, 72	Loamy park	Favorable	1,800	Arizona fescue	20
		Normal	1,600	Bluegrass	20
		Unfavorable	1,200	Mountain muhly	15
				Needlegrass	10
				Blue grama	10
				Prairie junegrass	5
				Gambel oak	5
Razor:					
73	Alkaline plains	Favorable	1,500	Alkali sacaton	25
		Normal	1,200	Western wheatgrass	20
		Unfavorable	900	Blue grama	15
				Galleta	10
				Inland saltgrass	5
				Sedge	5
74	Clayey foothills #208	Favorable	1,200	Western wheatgrass	40
		Normal	800	Blue grama	15
		Unfavorable	500	Green needlegrass	10
				Rubber rabbitbrush	5
				Snakeweed	5
[1]75:					
Razor part	Alkaline plains	Favorable	1,500	Alkali sacaton	25
		Normal	1,200	Western wheatgrass	20
		Unfavorable	900	Blue grama	15
				Inland saltgrass	5
				Sedge	5
Midway part	Shaly plains	Favorable	700	Blue grama	25
		Normal	600	Galleta	20
		Unfavorable	400	Western wheatgrass	15
				Alkali sacaton	5
				Fourwing saltbush	5
Rizozo:					
[1]76:					
Rizozo part	Shallow foothills	Favorable	1,000	Side-oats grama	20
		Normal	800	Little bluestem	20
		Unfavorable	400	Blue grama	20
				Fringed sagebrush	10
				Sedge	5
Neville part	Loamy foothills	Favorable	1,500	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	900	Needlegrass	15
				Prairie junegrass	15
				Indian ricegrass	5
				Side-oats grama	5
Rock outcrop:					
[1]77:					
Rock outcrop part.					
Coldcreek part.					
Tolman part	Shallow loam	Favorable	900	Arizona fescue	25
		Normal	700	Mountain muhly	20
		Unfavorable	500	Needlegrass	10
				Bluegrass	5
				Parry oatgrass	5
				Junegrass	5
				Western wheatgrass	5
Sampson:					
78	Loamy foothills	Favorable	1,500	Western wheatgrass	25
		Normal	1,200	Blue grama	25
		Unfavorable	800	Green needlegrass	10
				Prairie junegrass	5
				Bluegrass	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Satanta:					
79, 80	Loamy foothills	Favorable	1,500	Blue grama	20
		Normal	1,200	Needlegrass	20
		Unfavorable	800	Western wheatgrass	20
				Side-oats grama	10
[1]81:					
Satanta part	Loamy foothills	Favorable	1,500	Blue grama	20
		Normal	1,200	Needlegrass	20
		Unfavorable	800	Western wheatgrass	20
				Side-oats grama	10
Neville part	Loamy foothills	Favorable	1,500	Blue grama	25
		Normal	1,200	Western wheatgrass	15
		Unfavorable	900	Needlegrass	15
				Prairie junegrass	15
				Indian ricegrass	5
				Side-oats grama	5
Schamber:					
[1]82:					
Schamber part	Gravel breaks	Favorable	1,200	Side-oats grama	25
		Normal	800	Blue grama	35
		Unfavorable	600	Needleandthread	20
				Fourwing saltbush	5
Razor part	Alkaline plains	Favorable	1,500	Alkali sacaton	25
		Normal	1,200	Western wheatgrass	20
		Unfavorable	900	Blue grama	15
				Saltgrass	5
				Sedge	5
Stapleton:					
83, 84	Gravelly foothills	Favorable	1,000	Blue grama	30
		Normal	800	Little bluestem	10
		Unfavorable	700	Side-oats grama	10
				Western wheatgrass	10
				Needleandthread	5
				Mountain muhly	5
				Thickspike wheatgrass	5
				Sedge	5
				Prairie junegrass	5
[1]85:					
Stapleton part	Gravelly foothills	Favorable	1,000	Blue grama	30
		Normal	800	Little bluestem	10
		Unfavorable	700	Side-oats grama	10
				Western wheatgrass	10
				Needleandthread	5
				Mountain muhly	5
				Thickspike wheatgrass	5
				Sedge	5
				Prairie junegrass	5
Bernal part	Shallow foothills	Favorable	500	Blue grama	25
		Normal	400	Side-oats grama	15
		Unfavorable	300	Indian ricegrass	10
				Western wheatgrass	10
				Fringed sagebrush	10
				Little bluestem	5
Stoneham:					
86, 87	Sandy plains	Favorable	1,500	Blue grama	40
		Normal	900	Sand dropseed	20
		Unfavorable	600	Little bluestem	20
				Needlegrass	5
				Prairie sandreed	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Tassel:					
89	Sandy plains	Favorable	1,700	Blue grama	40
		Normal	1,100	Prairie sandreed	10
		Unfavorable	750	Side-oats grama	10
				Needleandthread	10
				Little bluestem	5
Terry:					
90	Sandy foothills	Favorable	1,700	Prairie sandreed	25
		Normal	1,500	Blue grama	20
		Unfavorable	1,000	Prairie junegrass	10
				Side-oats grama	8
				Little bluestem	5
				Needleandthread	5
[1]91:					
Terry part	Sandy foothills	Favorable	1,700	Prairie sandreed	25
		Normal	1,500	Blue grama	20
		Unfavorable	1,000	Prairie junegrass	10
				Side-oats grama	8
				Little bluestem	5
				Needleandthread	5
Razor part	Clayey foothills	Favorable	1,500	Western wheatgrass	40
		Normal	1,200	Green needlegrass	15
		Unfavorable	900	Blue grama	10
				Bluegrass	5
Tomah:					
[1]92:					
Tomah part	Sandy divide	Favorable	2,500	Blue grama	20
		Normal	1,400	Prairie sandreed	15
		Unfavorable	1,000	Gambel oak	15
				Western wheatgrass	10
				Needleandthread	5
				Mountain muhly	5
				Mountain brome	5
Crowfoot part	Sandy divide	Favorable	2,500	Mountain muhly	15
		Normal	1,400	Bluestem	15
		Unfavorable	1,000	Mountain brome	12
				Needleandthread	10
				Blue grama	8
				Sedge	5
				Bluegrass	5
				Prairie sandreed	5
				Fringed sagebrush	5
[1]93:					
Tomah part	Sandy divide	Favorable	2,500	Blue grama	20
		Normal	1,400	Prairie sandreed	15
		Unfavorable	1,000	Gambel oak	15
				Western wheatgrass	10
				Needleandthread	5
				Mountain muhly	5
				Mountain brome	5
Crowfoot part	Sandy divide	Favorable	2,500	Mountain muhly	15
		Normal	1,400	Bluestem	15
		Unfavorable	1,000	Mountain brome	12
				Needleandthread	10
				Blue grama	8
				Sedge	5
				Bluegrass	5
				Prairie sandreed	5
				Fringed sagebrush	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production: Kind of year	Potential production: Dry weight	Common plant name	Composition
			Lb/acre		Pct
Truckton:					
95	Sandy foothills	Favorable	2,000	Prairie sandreed	30
		Normal	1,600	Blue grama	20
		Unfavorable	1,200	Needleandthread	10
				Sand dropseed	10
				Western wheatgrass	5
				Sand bluestem	5
96, 97	Sandy foothills	Favorable	1,800	Blue grama	35
		Normal	1,500	Prairie sandreed	15
		Unfavorable	1,200	Needleandthread	10
				Sand dropseed	10
				Western wheatgrass	5
				Sedge	5
[1]98:					
Truckton part	Sandy foothills	Favorable	1,800	Blue grama	35
		Normal	1,500	Prairie sandreed	15
		Unfavorable	1,200	Needleandthread	10
				Sand dropseed	10
				Western wheatgrass	5
				Sedge	5
Blakeland part	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Sand bluestem	15
		Unfavorable	1,000	Blue grama	15
				Thickspike wheatgrass	10
				Little bluestem	5
				Needleandthread	5
				Sand dropseed	5
				Sedge	5
				Fringed sagebrush	5
[1]99:					
Truckton part	Sandy foothills	Favorable	1,800	Blue grama	35
		Normal	1,500	Prairie sandreed	15
		Unfavorable	1,200	Needleandthread	10
				Sand dropseed	10
				Western wheatgrass	5
				Sedge	5
Bresser part	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Blue grama	15
		Unfavorable	1,200	Sand bluestem	10
				Thickspike wheatgrass	10
				Junegrass	5
				Sedge	5
[1]100:					
Truckton part	Sandy foothills	Favorable	1,800	Blue grama	35
		Normal	1,500	Prairie sandreed	15
		Unfavorable	1,200	Needleandthread	10
				Sand dropseed	10
				Western wheatgrass	5
				Sedge	5
Bresser part	Sandy foothills	Favorable	1,800	Prairie sandreed	20
		Normal	1,500	Blue grama	15
		Unfavorable	1,200	Sand bluestem	10
				Thickspike wheatgrass	10
				Junegrass	5
				Sedge	5
Ustic Torrifluvents:					
101	Overflow	Favorable	2,500	Western wheatgrass	40
		Normal	1,800	Blue grama	20
		Unfavorable	1,000	Side-oats grama	10
				Switchgrass	5
				Sand dropseed	5

See footnote at end of table.

TABLE 6.--RANGE PRODUCTIVITY AND COMPOSITION--Continued

Soil name and map symbol	Range site name	Potential production		Common plant name	Composition
		Kind of year	Dry weight		
			Lb/acre		Pct
Valent:					
102	Deep sand	Favorable	2,000	Prairie sandreed	20
		Normal	1,500	Sand bluestem	15
		Unfavorable	1,000	Sand dropseed	10
				Needlegrass	10
				Blue grama	10
				Sand sagebrush	10
				Indian ricegrass	5
103	Choppy sands	Favorable	1,500	Prairie sandreed	10
		Normal	1,000	Sand bluestem	10
		Unfavorable	600	Sand dropseed	10
				Needlegrass	10
				Blue grama	5
				Sandhill muhly	5
				Indian ricegrass	5
Vona:					
104, 105	Sandy plains	Favorable	1,600	Blue grama	35
		Normal	1,400	Wheatgrass	10
		Unfavorable	800	Sand dropseed	10
				Side-oats grama	8
				Little bluestem	5
				Prairie sandreed	5
				Sedge	5
Wigton:					
106	Deep sand	Favorable	1,800	Blue grama	15
		Normal	1,400	Prairie sandreed	15
		Unfavorable	1,000	Needlegrass	10
				Sand bluestem	10
				Little bluestem	5
				Sand dropseed	5
				Side-oats grama	5
				Prairie junegrass	5
				Switchgrass	5
Wiley:					
107, 108	Loamy plains	Favorable	1,000	Blue grama	60
		Normal	800	Galleta	8
		Unfavorable	400	Western wheatgrass	7
				Sand dropseed	5
				Buffalograss	5
Yoder:					
109, 110	Gravelly foothills	Favorable	1,000	Blue grama	35
		Normal	800	Little bluestem	10
		Unfavorable	700	Side-oats grama	10
				Western wheatgrass	10
				Needleandthread	5
				Prairie junegrass	5
				Mountain muhly	5
				Thickspike wheatgrass	5
				Sedge	5

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 7.--WOODLAND MANAGEMENT AND PRODUCTIVITY

[Only the soils suitable for production of merchantable trees are listed in this table. Absence of an entry in a column means the information was not available]

Soil name and map symbol	Ordination symbol	Management concerns: Erosion hazard	Equipment limitation	Seedling mortality	Plant competition	Potential productivity: Merchantable trees	Site index	Trees to plant
Elbeth:								
25, 26	6o	Slight	Slight	Slight	Slight	Ponderosa pine	52	Ponderosa pine, Douglas-fir, white fir, blue spruce.
[1]27:								
Elbeth part	6o	Slight	Slight	Slight	Slight	Ponderosa pine	52	Ponderosa pine, Douglas-fir, white fir, blue spruce.
Pring part.								
Fortwingate:								
[1]32:								
Fortwingate part	6r	Severe	Moderate	Slight	Slight	One-seed juniper Pinyon pine	20 ---	---
Rock outcrop part.								
Jarre:								
[1]38:								
Jarre part.								
Tecolote part	6x	Severe	Severe	Moderate	Slight	Ponderosa pine Douglas-fir	50 45	Ponderosa pine.
Kettle:								
40, 41	6o	Moderate	Slight	Slight	Slight	Ponderosa pine	55	Ponderosa pine, Douglas-fir, white fir.
[1]42:								
Kettle part	6o	Moderate	Slight	Slight	Slight	Ponderosa pine	55	Ponderosa pine, Douglas-fir, white fir.
Rock outcrop part.								
Kutler:								
[1]46:								
Kutler part.								
Broadmoor part	5f	Severe	Severe	Moderate	Slight	Douglas-fir Ponderosa pine White fir	49 --- ---	Douglas-fir, ponderosa pine, white fir.
Rock outcrop part.								
Rock outcrop:								
[1]77:								
Rock outcrop part.								
Coldcreek part	5r	Severe	Severe	Slight	Slight	Ponderosa pine Douglas-fir	65 46	Ponderosa pine, Douglas-fir.
Tolman part.								

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 8.--BUILDING SITE DEVELOPMENT

["Depth to rock" and some of the other terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," and "severe." Absence of an entry means soil was not rated]

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Alamosa:					
1	Severe: wetness, floods.	Severe: floods, wetness.	Severe: floods, wetness.	Severe: floods, wetness.	Severe: wetness, floods, frost action.
Ascalon:					
2	Slight	Moderate: low strength.	Moderate: shrink-swell, low strength.	Moderate: low strength.	Moderate: frost action, low strength, shrink-swell.
3	Slight	Moderate: low strength.	Moderate: shrink-swell, low strength.	Moderate: slope, shrink-swell, low strength.	Moderate: frost action, low strength, shrink-swell.
Badland:					
4.					
Bijou:					
5, 7	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
6	Severe: cutbanks cave.	Slight	Slight	Slight	Slight.
Blakeland:					
8	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
9:					
Blakeland part	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Fluvaquentic Haplaquolls part	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods, frost action.
Blendon:					
10	Severe: cutbanks cave.	Slight	Slight	Slight	Moderate: low strength, frost action.
Bresser:					
11	Slight	Slight	Slight	Slight	Slight.
12, 13	Slight	Slight	Slight	Moderate: slope.	Slight.
Brussett:					
14	Moderate: too clayey.	Moderate: shrink-swell, low strength.	Slight	Moderate: shrink-swell, low strength.	Moderate: low strength, frost action, shrink-swell.
15	Moderate: too clayey.	Moderate: shrink-swell, low strength.	Slight	Moderate: slope, low strength, shrink-swell.	Moderate: low strength, frost action, shrink-swell.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Chaseville:					
16	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
17	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
[1]18:					
Chaseville part	Severe: cutbanks cave, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Midway part	Severe: slope, too clayey, depth to rock.	Severe: slope, shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.
Columbine:					
19	Severe: cutbanks cave.	Slight	Slight	Slight	Slight.
Connerton:					
[1]20:					
Connerton part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: low strength, frost action.
Rock outcrop part.					
Cruckton:					
21	Slight	Slight	Slight	Moderate. slope.	Moderate: frost action, low strength.
Cushman:					
22	Moderate: depth to rock.	Moderate: low strength.	Moderate: depth to rock.	Moderate: low strength.	Moderate: low strength, frost action.
23	Moderate: depth to rock, slope.	Moderate: low strength, slope.	Moderate: slope, depth to rock.	Severe: slope.	Moderate: slope, low strength, frost action.
[1]24:					
Cushman part	Moderate: depth to rock.	Moderate: low strength.	Moderate: depth to rock.	Severe: slope.	Moderate: low strength, frost action.
Kutch part	Severe: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, low strength.
Elbeth:					
25	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell, slope.	Moderate: shrink-swell, frost action, low strength.
26	Moderate: slope.	Moderate: shrink-swell, slope.	Moderate: shrink-swell, slope.	Severe: slope.	Moderate: slope, shrink-swell, low strength.
[1]27:					
Elbeth part	Moderate: slope.	Moderate: shrink-swell, slope.	Moderate: shrink-swell, slope.	Severe: slope.	Moderate: slope, shrink-swell, low strength.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Elbeth:					
[1]27:					
Pring part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Ellicott:					
28	Severe: cutbanks cave, floods.	Severe: floods.	Severe: floods.	Severe: floods.	Severe: floods.
Fluvaquentic Haplaquolls:					
29	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods, frost action.
Fort Collins:					
30	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell, frost action.
31	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: slope, low strength, shrink-swell.	Moderate: low strength, shrink-swell, frost action.
Fortwingate:					
[1]32:					
Fortwingate part	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Severe: depth to rock, shrink-swell, slope.	Severe: shrink-swell, slope.	Severe: shrink-swell, slope, low strength.
Rock outcrop part.					
Heldt:					
33	Severe: too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.
Holderness:					
34, 35	Moderate: too clayey.	Severe: shrink-swell.	Moderate: shrink-swell, low strength.	Severe: shrink-swell.	Severe: shrink-swell, low strength.
36	Moderate: too clayey, slope.	Severe: shrink-swell.	Moderate: slope, shrink-swell, low strength.	Severe: shrink-swell, slope.	Severe: shrink-swell, low strength.
Jarre:					
37	Slight	Moderate: shrink-swell, low strength.	Slight	Moderate: slope, shrink-swell, low strength.	Moderate: frost action, shrink-swell, low strength.
[1]38:					
Jarre part	Moderate: slope.	Moderate: slope, shrink-swell, low strength.	Moderate: slope.	Severe: slope.	Moderate: slope, shrink-swell, low strength.
Tecolote part	Severe: slope, small stones.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Keith:					
39	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Severe: frost action.
Kettle:					
40	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
41	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
[1]42:					
Kettle part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop part.					
Kim:					
43	Slight	Moderate: low strength.	Moderate: low strength.	Moderate: low strength, slope.	Moderate: low strength, frost action.
Kutch:					
44	Severe: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, low strength.
45	Severe: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: shrink-swell, low strength.
Kutler:					
[1]46:					
Kutler part	Severe: slope, small stones, depth to rock.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Broadmoor part	Severe: slope, small stones, depth to rock.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Rock outcrop part.					
Limon:					
47	Severe: floods, too clayey.	Severe: floods, shrink-swell.	Severe: floods, shrink-swell.	Severe: floods, shrink-swell.	Severe: floods, shrink-swell, low strength.
Louviers:					
48	Severe: depth to rock.	Severe: shrink-swell, depth to rock.	Severe: shrink-swell, depth to rock.	Severe: shrink-swell, depth to rock, slope.	Severe: low strength, shrink-swell.
49	Severe: slope, depth to rock.	Severe: shrink-swell, depth to rock, slope.	Severe: shrink-swell, depth to rock, slope.	Severe: shrink-swell, depth to rock, slope.	Severe: low strength, shrink-swell, slope.
Manvel:					
50	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: low strength, slope, shrink-swell.	Severe: frost action.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Manzanola:					
51, 52, 53	Moderate: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, low strength.
Midway:					
54	Severe: too clayey, depth to rock.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength, depth to rock.	Severe: slope, shrink-swell, low strength.	Severe: shrink-swell, low strength.
Nederland:					
55	Severe: small stones, slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Nelson:					
[1]56:					
Nelson part	Severe: depth to rock.	Moderate: depth to rock, low strength.	Severe: depth to rock.	Moderate: slope, depth to rock, low strength.	Moderate: depth to rock, low strength.
Tassel part	Moderate: depth to rock.	Moderate: depth to rock.	Moderate: depth to rock.	Severe: slope.	Moderate: depth to rock.
Neville:					
57	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: slope, low strength, shrink-swell.	Severe: frost action.
[1]58:					
Neville part	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: slope, low strength, shrink-swell.	Severe: frost action.
Rednun part	Moderate: too clayey.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, low strength.
Nunn:					
59	Moderate: too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.
Olney:					
60	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: low strength, frost action, shrink-swell.
61	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: slope, shrink-swell.	Moderate: low strength, frost action, shrink-swell.
[1]62:					
Olney part	Slight	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: shrink-swell.	Moderate: low strength, frost action, shrink-swell.
Vona part	Slight	Slight	Slight	Moderate: slope.	Moderate: low strength, frost action.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Paunsaugunt:					
[1]63:					
Paunsaugunt part	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.
Rock outcrop part.					
Penrose:					
[1]64:					
Penrose part	Severe: slope, depth to rock.	Severe: slope.	Severe: slope, depth to rock.	Severe: slope.	Severe: slope.
Manvel part	Moderate: slope.	Moderate: low strength, slope, shrink-swell.	Moderate: low strength, slope, shrink-swell.	Severe: slope.	Severe: frost action.
Perrypark:					
65	Slight	Moderate: low strength, shrink-swell.	Moderate: shrink-swell.	Moderate: slope, low strength, shrink-swell.	Moderate: frost action, low strength, shrink-swell.
Peyton:					
66	Slight	Moderate: low strength.	Slight	Moderate: low strength.	Moderate: frost action, low strength.
67	Slight	Moderate: low strength.	Slight	Moderate: slope, low strength.	Moderate: frost action, low strength.
[1]68:					
Peyton part	Slight	Moderate: low strength.	Slight	Moderate: slope, low strength.	Moderate: frost action, low strength.
Pring part	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
[1]69:					
Peyton part	Moderate: slope.	Moderate: slope, low strength.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action, low strength.
Pring part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Pits, gravel:					
70.					
Pring:					
71	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
72	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Razor:					
73	Moderate: depth to rock, too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Razor:					
74	Moderate: too clayey, large stones.	Severe: shrink-swell.	Severe: shrink-swell.	Severe: shrink-swell, slope.	Severe: shrink-swell, low strength.
[1]75:					
Razor part	Moderate: depth to rock, too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.	Severe: shrink-swell, low strength.
Midway part	Severe: too clayey, depth to rock.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength, depth to rock.	Severe: slope, shrink-swell, low strength.	Severe: shrink-swell, low strength.
Rizozo:					
[1]76:					
Rizozo part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: slope, depth to rock.
Neville part	Moderate: slope.	Moderate: slope, low strength, shrink-swell.	Moderate: slope, low strength, shrink-swell.	Severe: slope.	Severe: frost action.
Rock outcrop:					
[1]77:					
Rock outcrop part.					
Coldcreek part	Severe: slope, small stones, cutbanks cave.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Tolman part	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.
Sampson:					
78	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: low strength, frost action, shrink-swell.
Satanta:					
79, 80	Slight	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.
[1]81:					
Satanta part	Slight	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.	Moderate: shrink-swell, low strength.
Neville part	Slight	Moderate: low strength, shrink-swell.	Moderate: low strength, shrink-swell.	Moderate: slope, low strength, shrink-swell.	Severe: frost action.
Schamber:					
[1]82:					
Schamber part	Severe: slope, cutbanks cave.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Razor part	Moderate: depth to rock, too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: slope, shrink-swell, low strength.	Severe: shrink-swell, low strength.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Stapleton:					
83	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
84	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
[1]85:					
Stapleton part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Bernal part	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock, low strength.
Stoneham:					
86	Slight	Slight	Slight	Moderate: slope.	Moderate: low strength, frost action.
87	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, low strength, frost action.
Stroupe:					
[1]88:					
Stroupe part	Severe: depth to rock, large stones, slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.	Severe: slope.
Travessilla part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.
Rock outcrop part.					
Tassel:					
89	Moderate: depth to rock.	Moderate: depth to rock.	Moderate: depth to rock.	Severe: slope.	Moderate: depth to rock.
Terry:					
90	Severe: depth to rock.	Moderate: depth to rock.	Severe: depth to rock.	Moderate: depth to rock, slope.	Moderate: depth to rock, frost action.
[1]91:					
Terry part	Severe: depth to rock.	Moderate: depth to rock, slope.	Severe: depth to rock.	Severe: slope.	Moderate: depth to rock, slope, frost action.
Razor part	Moderate: depth to rock, too clayey.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.	Severe: shrink-swell, low strength.
Tomah:					
[1]92:					
Tomah part	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
Crowfoot part	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action, low strength.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Tomah:					
[1]93:					
Tomah part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Crowfoot part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, low strength, frost action.
Travessilla:					
[1]94:					
Travessilla part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.
Rock outcrop part.					
Truckton:					
95, 97	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
96	Slight	Slight	Slight	Slight	Moderate: frost action.
[1]98:					
Truckton part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Blakeland part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope.
[1]99:					
Truckton part	Moderate: slope.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope, frost action.
Bresser part	Slight	Slight	Slight	Moderate: slope.	Slight.
[1]100:					
Truckton part	Slight	Slight	Slight	Moderate: slope.	Moderate: frost action.
Bresser part	Slight	Slight	Slight	Moderate: slope.	Slight.
Ustic Torrifluvents:					
101	Severe: floods.	Severe: floods.	Severe: floods.	Severe: floods.	Severe: floods.
Valent:					
102	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
103	Severe: cutbanks cave.	Moderate: slope.	Moderate: slope.	Severe: slope.	Moderate: slope.
Vona:					
104	Slight	Slight	Slight	Slight	Moderate: low strength, frost action.
105	Slight	Slight	Slight	Moderate: slope.	Moderate: low strength, frost action.

See footnote at end of table.

TABLE 8.--BUILDING SITE DEVELOPMENT--Continued

Soil name and map symbol	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Wigton:					
106	Severe: cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
Wiley:					
107	Slight	Moderate: low strength.	Moderate: low strength, shrink-swell.	Moderate: low strength.	Moderate: low strength, shrink-swell.
108	Slight	Moderate: low strength.	Moderate: low strength, shrink-swell.	Moderate: low strength, slope.	Moderate: low strength, shrink-swell.
Yoder:					
109	Moderate: small stones, cutbanks cave.	Slight	Slight	Moderate: slope.	Slight.
110	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 9.--SANITARY FACILITIES

["Depth to rock" and some of the other terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," "good," "fair," and other terms used to rate soils. Absence of an entry means soil was not rated]

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Alamosa:				
1	Severe: wetness, floods.	Severe: wetness, floods, excess humus.	Severe: wetness, floods.	Poor: wetness.
Ascalon:				
2, 3	Slight	Severe: seepage.	Severe: seepage.	Good.
Badland:				
4.				
Bijou:				
5	Slight	Severe: seepage.	Severe: seepage.	Fair: too sandy.
6, 7	Slight	Severe: seepage.	Severe: seepage.	Good.
Blakeland:				
8	Slight	Severe: seepage.	Severe: seepage.	Fair: too sandy.
[1]9:				
Blakeland part	Slight	Severe: seepage.	Severe: seepage.	Fair: too sandy.
Fluvaquentic Haplaquolls part	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Fair: wetness.
Blendon:				
10	Slight	Severe: seepage.	Severe: seepage.	Good.
Bresser:				
11, 12	Slight	Severe: seepage.	Severe: seepage.	Good.
13	Slight	Severe: seepage, slope.	Severe: seepage.	Good.
Brussett:				
14, 15	Moderate: percs slowly.	Moderate: slope, seepage.	Moderate: too clayey.	Fair: too clayey.
Chaseville:				
16	Slight	Severe: seepage.	Severe: seepage.	Poor: small stones.
17	Severe: slope.	Severe: seepage, slope.	Severe: seepage.	Poor: small stones, slope.
[1]18:				
Chaseville part	Severe: slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: small stones, slope.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Chaseville:				
Midway part	Severe: slope, percs slowly, depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Poor: slope, too clayey, thin layer.
Columbine:				
19	Slight	Severe: seepage.	Severe: seepage, too sandy.	Poor: too sandy, small stones.
Connerton:				
[1]20:				
Connerton part	Severe: slope.	Severe: slope.	Moderate: slope.	Poor: slope.
Rock outcrop part.				
Cruckton:				
21	Slight	Severe: seepage.	Severe: seepage.	Good.
Cushman:				
22	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: area reclaim.
23	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Poor: area reclaim.
[1]24:				
Cushman part	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Poor: area reclaim.
Kutch part	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Poor: too clayey.
Elbeth:				
25	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
26	Moderate: percs slowly, slope.	Severe: seepage, slope.	Slight	Fair: slope.
[1]27:				
Elbeth part	Moderate: percs slowly, slope.	Severe: seepage, slope.	Slight	Fair: slope.
Pring part	Severe: slope.	Severe: seepage, slope.	Severe: seepage.	Poor: slope.
Ellicott:				
28	Severe: floods.	Severe: floods, seepage.	Severe: floods, seepage.	Poor: too sandy, seepage.
Fluvaquentic Haplaquolls:				
29	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Poor: wetness.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Fort Collins:				
30	Moderate: percs slowly.	Moderate: seepage.	Slight	Good.
31	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
Fortwingate:				
[1]32:				
Fortwingate part	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: slope, area reclaim.
Rock outcrop part.				
Heldt:				
33	Severe: percs slowly.	Slight	Severe: too clayey.	Poor: too clayey.
Holderness:				
34, 35	Severe: percs slowly.	Moderate: excess humus, slope.	Moderate: too clayey.	Fair: too clayey.
36	Severe: percs slowly.	Severe: slope.	Moderate: slope, too clayey.	Fair: too clayey, slope.
Jarre:				
37	Slight	Severe: seepage.	Severe: seepage.	Good.
[1]38:				
Jarre part	Moderate: slope.	Severe: slope, seepage.	Severe: seepage.	Fair: slope.
Tecolote part	Severe: slope.	Severe: slope, small stones, seepage.	Severe: small stones, seepage, slope.	Poor: slope, small stones.
Keith:				
39	Slight	Moderate: seepage.	Slight	Good.
Kettle:				
40	Slight	Severe: seepage.	Severe: seepage.	Fair: too sandy.
41	Severe: slope.	Severe: seepage, slope.	Severe: seepage.	Poor: slope.
[1]42:				
Kettle part	Severe: slope.	Severe: seepage, slope.	Severe: seepage.	Poor: slope.
Rock outcrop part.				
Kim:				
43	Slight	Moderate: seepage, slope.	Slight	Good.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Kutch:				
44	Severe: depth to rock, percs slowly.	Severe: depth to rock.	Severe: depth to rock, too clayey.	Poor: too clayey, area reclaim.
45	Severe: depth to rock, percs slowly.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Poor: too clayey, area reclaim.
Kutler:				
[1]46:				
Kutler part	Severe: slope, depth to rock.	Severe: slope, seepage, depth to rock.	Severe: seepage, slope, depth to rock.	Poor: small stones, slope, area reclaim.
Broadmoor part	Severe: depth to rock, slope.	Severe: depth to rock, slope, seepage.	Severe: depth to rock, slope, seepage.	Poor: slope, small stones, area reclaim.
Rock outcrop part.				
Limon:				
47	Severe: floods, percs slowly.	Severe: floods.	Severe: floods, too clayey.	Poor: too clayey.
Louviers:				
48	Severe: percs slowly, depth to rock.	Severe: depth to rock, slope.	Severe: too clayey, depth to rock.	Poor: too clayey, thin layer, area reclaim.
49	Severe: percs slowly, depth to rock, slope.	Severe: depth to rock, slope.	Severe: too clayey, depth to rock.	Poor: slope, too clayey, thin layer.
Manvel:				
50	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Fair: too clayey.
Manzanola:				
51	Severe: percs slowly.	Slight	Moderate: too clayey.	Fair: too clayey.
52, 53	Severe: percs slowly.	Moderate: slope.	Moderate: too clayey.	Fair: too clayey.
Midway:				
54	Severe: percs slowly, depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Poor: too clayey, thin layer, area reclaim.
Nederland:				
55	Severe: slope.	Severe: small stones, slope, seepage.	Severe: seepage.	Poor: small stones, slope.
Nelson:				
[1]56:				
Nelson part	Severe: depth to rock.	Severe: depth to rock, slope, seepage.	Severe: depth to rock, seepage.	Fair: thin layer, area reclaim.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Nelson:				
Tassel part	Severe: depth to rock.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage.	Poor: thin layer, area reclaim.
Neville:				
57	Moderate: percs slowly.	Moderate: slope, seepage.	Slight	Good.
[1]58:				
Neville part	Moderate: percs slowly.	Moderate: slope, seepage.	Slight	Good.
Rednun part	Severe: percs slowly.	Moderate: slope.	Moderate: too clayey.	Fair: too clayey.
Nunn:				
59	Severe: percs slowly.	Moderate: excess humus.	Slight	Fair: too clayey.
Olney:				
60, 61	Slight	Moderate: seepage.	Slight	Good.
[1]62:				
Olney part	Slight	Moderate: seepage.	Slight	Good.
Vona part	Slight	Severe: seepage.	Severe: seepage.	Good.
Paunsaugunt:				
[1]63:				
Paunsaugunt part	Severe: slope, depth to rock.	Severe: slope, depth to rock, seepage.	Severe: slope, depth to rock.	Poor: slope, thin layer, small stones.
Rock outcrop part.				
Penrose:				
[1]64:				
Penrose part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: thin layer, slope, area reclaim.
Manvel part	Moderate: percs slowly, slope.	Severe: slope.	Slight	Fair: too clayey, slope, area reclaim.
Perrypark:				
65	Slight	Severe: seepage.	Severe: seepage.	Good.
Peyton:				
66	Moderate: percs slowly.	Moderate: slope, seepage, excess humus.	Slight	Good.
67	Moderate: percs slowly.	Severe: slope.	Slight	Good.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Peyton:				
[1]68:				
Peyton part	Moderate: percs slowly.	Moderate: slope, seepage, excess humus.	Slight	Good.
Pring part	Slight	Severe: seepage.	Severe: seepage.	Good.
[1]69:				
Peyton part	Moderate: percs slowly.	Severe: slope.	Slight	Fair: slope.
Pring part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Pits, gravel:				
70.				
Pring:				
71	Slight	Severe: seepage.	Severe: seepage.	Good.
72	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Razor:				
73	Severe: percs slowly, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock.	Fair: too clayey, thin layer, area reclaim.
74	Severe: depth to rock, percs slowly.	Severe: slope, depth to rock.	Severe: depth to rock.	Fair: too clayey, large stones, area reclaim.
[1]75:				
Razor part	Severe: percs slowly, depth to rock.	Severe: slope, depth to rock, seepage.	Severe: depth to rock.	Fair: too clayey, thin layer, area reclaim.
Midway part	Severe: percs slowly, depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Poor: too clayey, thin layer, area reclaim.
Rizozo:				
[1]76:				
Rizozo part	Severe: depth to rock, slope.	Severe: depth to rock, slope, seepage.	Severe: depth to rock, seepage.	Poor: thin layer, slope, area reclaim.
Neville part	Moderate: slope, percs slowly.	Severe: slope.	Slight	Fair: slope.
Rock outcrop:				
[1]77:				
Rock outcrop part.				
Coldcreek part	Severe: slope.	Severe: slope, small stones.	Severe: slope, depth to rock.	Poor: slope, small stones.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Rock outcrop:				
Tolman part	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Severe: slope, depth to rock.	Poor: slope, thin layer, area reclaim.
Sampson:				
78	Moderate: percs slowly.	Moderate: seepage, excess humus.	Slight	Good.
Satanta:				
79	Moderate: percs slowly.	Moderate: seepage.	Slight	Good.
80	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
[1]81:				
Satanta part	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
Neville part	Moderate: percs slowly.	Moderate: slope, seepage.	Slight	Good.
Schamber:				
[1]82:				
Schamber part	Severe: slope.	Severe: slope, seepage.	Severe: slope, seepage, too sandy.	Poor: slope, thin layer, area reclaim.
Razor part	Severe: percs slowly, depth to rock.	Severe: slope, depth to rock, seepage.	Severe: depth to rock.	Fair: too clayey, thin layer, area reclaim.
Stapleton:				
83	Slight	Severe: seepage.	Severe: seepage.	Good.
84	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
[1]85:				
Stapleton part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Bernal part	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Poor: thin layer, area reclaim.
Stoneham:				
86	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
87	Moderate: slope, percs slowly.	Severe: slope.	Slight	Fair: slope.
Stroupe:				
[1]88:				
Stroupe part	Severe: depth to rock, percs slowly, slope.	Severe: depth to rock, large stones, slope.	Severe: depth to rock, large stones, slope.	Poor: large stones, slope, area reclaim.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Stroupe:				
Travessilla part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: slope, thin layer, area reclaim.
Rock outcrop part.				
Tassel:				
89	Severe: depth to rock.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage.	Poor: thin layer, area reclaim.
Terry:				
90	Severe: depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock.	Fair: thin layer, area reclaim.
[1]91:				
Terry part	Severe: depth to rock.	Severe: depth to rock, seepage, slope.	Severe: depth to rock.	Fair: thin layer, slope, area reclaim.
Razor part	Severe: percs slowly, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock.	Fair: too clayey, thin layer, area reclaim.
Tomah:				
[1]92:				
Tomah part	Moderate: percs slowly.	Moderate: seepage, slope.	Severe: seepage.	Good.
Crowfoot part	Slight	Severe: seepage.	Severe: seepage.	Good.
[1]93:				
Tomah part	Moderate: slope, percs slowly.	Severe: slope, seepage.	Severe: seepage.	Fair: slope.
Crowfoot part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Travessilla:				
[1]94:				
Travessilla part	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: slope, thin layer, area reclaim.
Rock outcrop part.				
Truckton:				
95, 96, 97	Slight	Severe: seepage.	Severe: seepage.	Good.
[1]98:				
Truckton part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Blakeland part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: too sandy.

See footnote at end of table.

TABLE 9.--SANITARY FACILITIES--Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Daily cover for landfill
Truckton:				
[1]99:				
Truckton part	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Fair: slope.
Bresser part	Slight	Severe: seepage, slope.	Severe: seepage.	Good.
[1]100:				
Truckton part	Slight	Severe: seepage.	Severe: seepage.	Good.
Bresser part	Slight	Severe: seepage.	Severe: seepage.	Good.
Ustic Torrifluvents:				
101	Severe: floods.	Severe: floods.	Severe: floods.	
Valent:				
102	Slight	Severe: seepage.	Severe: too sandy, seepage.	Poor: too sandy.
103	Moderate: slope.	Severe: seepage, slope.	Severe: too sandy, seepage.	Poor: too sandy.
Vona:				
104, 105	Slight	Severe: seepage.	Severe: seepage.	Good.
Wigton:				
106	Slight	Severe: seepage.	Severe: seepage.	Fair: too sandy.
Wiley:				
107, 108	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Good.
Yoder:				
109	Slight	Severe: seepage.	Severe: seepage.	Fair: small stones.
110	Severe: slope.	Severe: slope, seepage.	Severe: slope, seepage.	Poor: slope.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 10.--CONSTRUCTION MATERIALS

["Shrink-swell" and some of the other terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "good," "fair," "poor," and "unsuited." Absence of an entry means soil was not rated]

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Alamosa:				
1	Poor: wetness, frost action.	Unsuited	Unsuited	Poor: wetness.
Ascalon:				
2, 3	Fair: low strength, frost action, shrink-swell.	Unsuited	Unsuited	Good.
Badland:				
4.				
Bijou:				
5	Good	Poor: excess fines.	Unsuited	Poor: too sandy.
6, 7	Good	Poor: excess fines.	Unsuited	Good.
Blakeland:				
8	Good	Poor: excess fines.	Unsuited	Poor: too sandy.
[1]9:				
Blakeland part	Good	Poor: excess fines.	Unsuited	Poor: too sandy.
Fluvaquentic Haplaquolls part	Poor: frost action.	---	---	---
Blendon:				
10	Good	Fair: excess fines.	Unsuited	Good.
Bresser:				
11, 12, 13	Good	Poor: excess fines.	Unsuited	Fair: thin layer.
Brussett:				
14, 15	Fair: low strength, frost action.	Unsuited	Unsuited	Fair: thin layer.
Chaseville:				
16	Good	Fair: excess fines.	Fair: excess fines.	Poor: small stones.
17	Fair: slope.	Fair: excess fines.	Fair: excess fines.	Poor: small stones, slope.
[1]18:				
Chaseville part	Poor: slope.	Fair: excess fines.	Fair: excess fines.	Poor: small stones, slope.
Midway part	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Poor: thin layer, slope.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Columbine:				
19	Good	Fair: excess fines.	Fair: excess fines.	Poor: too sandy, small stones.
Connerton:				
[1]20:				
Connerton part	Poor: low strength, frost action.	Unsuited	Unsuited	Poor: slope.
Rock outcrop part.				
Cruckton:				
21	Fair: frost action, low strength.	Poor: excess fines.	Unsuited	Good.
Cushman:				
22	Poor: area reclaim, thin layer.	Unsuited	Unsuited	Fair: thin layer.
23	Poor: area reclaim, thin layer.	Unsuited	Unsuited	Fair: thin layer, slope.
[1]24:				
Cushman part	Poor: area reclaim, thin layer.	Unsuited	Unsuited	Fair: thin layer.
Kutch part	Poor: low strength, shrink-swell, thin layer.	Unsuited	Unsuited	Poor: thin layer.
Elbeth:				
25	Fair: shrink-swell, low strength, frost action.	Unsuited	Unsuited	Good.
26	Fair: shrink-swell, low strength, frost action.	Unsuited	Unsuited	Fair: slope.
[1]27:				
Elbeth part	Fair: shrink-swell, low strength, frost action.	Unsuited	Unsuited	Fair: slope.
Pring part	Fair: slope, frost action.	Poor: excess fines.	Unsuited	Poor: slope, small stones.
Ellicott:				
28	Good	Fair: excess fines.	Unsuited	Poor: too sandy.
Fluvaquentic Haplaquolls:				
29	Poor: frost action.	---	---	Poor: wetness.
Fort Collins:				
30, 31	Fair: low strength, frost action.	Unsuited	Unsuited	Good.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Fortwingate:				
[1]32:				
Fortwingate part	Poor: low strength, slope, thin layer.	Unsuited	Unsuited	Poor: slope.
Rock outcrop part.				
Heldt:				
33	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Poor: too clayey.
Holderness:				
34, 35	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer.
36	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer, slope.
Jarre:				
37	Fair: frost action, shrink-swell, low strength.	Unsuited	Poor: excess fines.	Poor: small stones.
[1]38:				
Jarre part	Fair: frost action, shrink-swell, low strength.	Poor: excess fines.	Poor: excess fines.	Poor: small stones.
Tecolote part	Poor: slope.	Unsuited	Unsuited	Poor: slope, small stones, large stones.
Keith:				
39	Poor: frost action.	Unsuited	Unsuited	Good.
Kettle:				
40	Fair: frost action.	Poor: excess fines.	Unsuited	Poor: too sandy.
41	Fair: slope, frost action.	Poor: excess fines.	Unsuited	Poor: too sandy, slope.
[1]42:				
Kettle part	Fair: slope, frost action.	Poor: excess fines.	Unsuited	Poor: too sandy, slope.
Rock outcrop part.				
Kim:				
43	Fair: low strength, frost action.	Unsuited	Unsuited	Good.
Kutch:				
44, 45	Poor: low strength, shrink-swell, thin layer.	Unsuited	Unsuited	Poor: thin layer.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Kutler:				
[1]46:				
Kutler part	Poor: slope, thin layer, area reclaim.	Unsuited	Poor: excess fines.	Poor: small stones, slope, area reclaim.
Broadmoor part	Poor: thin layer, slope, area reclaim.	Unsuited	Poor: excess fines.	Poor: slope, small stones, area reclaim.
Rock outcrop part.				
Limon:				
47	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Poor: too clayey.
Louviers:				
48	Poor: low strength, shrink-swell, thin layer.	Unsuited	Unsuited	Poor: too clayey, area reclaim.
49	Poor: low strength, shrink-swell, thin layer.	Unsuited	Unsuited	Poor: too clayey, small stones, slope.
Manvel:				
50	Poor: frost action.	Unsuited	Unsuited	Fair: excess lime, area reclaim.
Manzanola:				
51, 52, 53	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer, too clayey.
Midway:				
54	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Poor: thin layer, slope.
Nederland:				
55	Fair: slope, frost action, low strength.	Unsuited	Unsuited	Poor: small stones, slope.
Nelson:				
[1]56:				
Nelson part	Poor: thin layer.	Unsuited	Unsuited	Good.
Tassel part	Poor: thin layer, area reclaim.	Unsuited	Unsuited	Poor: area reclaim.
Neville:				
57	Poor: frost action.	Unsuited	Unsuited	Fair: small stones.
[1]58:				
Neville part	Poor: frost action.	Unsuited	Unsuited	Fair: small stones.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Neville:				
Rednun part	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Poor: thin layer.
Nunn:				
59	Poor: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer, too clayey.
Olney:				
60, 61	Fair: low strength.	Poor: excess fines.	Unsuited	Good.
[1]62:				
Olney part	Fair: low strength.	Poor: excess fines.	Unsuited	Good.
Vona part	Fair: low strength.	Poor: excess fines.	Unsuited	Good.
Paunsaugunt:				
[1]63:				
Paunsaugunt part	Poor: slope.	Unsuited	Unsuited	Poor: slope, small stones.
Rock outcrop part.				
Penrose:				
[1]64:				
Penrose part	Poor: thin layer, slope.	Unsuited	Unsuited	Poor: area reclaim, thin layer, slope.
Manvel part	Fair: low strength, shrink-swell.	Unsuited	Unsuited	Fair: excess lime, area reclaim, slope.
Perrypark:				
65	Fair: frost action, low strength.	Poor: excess fines.	Unsuited	Fair: small stones.
Peyton:				
66, 67	Fair: frost action, low strength.	Poor: excess fines.	Unsuited	Poor: small stones.
[1]68:				
Peyton part	Fair: frost action, low strength.	Poor: excess fines.	Unsuited	Poor: small stones.
Pring part	Fair: frost action.	Poor: excess fines.	Unsuited	Poor: small stones.
[1]69:				
Peyton part	Fair: frost action, low strength.	Poor: excess fines.	Unsuited	Poor: small stones.
Pring part	Fair: frost action.	Poor: excess fines.	Unsuited	Poor: small stones.
Pits, gravel:				
70.				

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Pring:				
71, 72	Fair: frost action.	Poor: excess fines.	Unsuited	Poor: small stones.
Razor:				
73	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Fair: too clayey.
74	Poor: thin layer, low strength, shrink-swell.	Unsuited	Unsuited	Poor: large stones, area reclaim.
[1]75:				
Razor part	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Fair: slope, too clayey.
Midway part	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Poor: thin layer, slope.
Rizozo:				
[1]76:				
Rizozo part	Poor: thin layer, area reclaim.	Unsuited	Unsuited	Poor: area reclaim, slope.
Neville part	Poor: frost action.	Unsuited	Unsuited	Fair: slope, small stones.
Rock outcrop:				
[1]77:				
Rock outcrop part.				
Coldcreek part	Poor: slope.	Unsuited	Poor: excess fines.	Poor: small stones, slope.
Tolman part	Poor: slope, thin layer, area reclaim.	Unsuited	Unsuited	Poor: slope, thin layer, large stones.
Sampson:				
78	Fair: low strength, frost action.	Unsuited	Unsuited	Good.
Satanta:				
79, 80	Fair: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer.
[1]81:				
Satanta part	Fair: shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer.
Neville part	Poor: frost action.	Unsuited	Unsuited	Fair: small stones.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Schamber:				
[1]82:				
Schamber part	Poor: slope.	Poor: excess fines.	Poor: excess fines.	Poor: slope, thin layer, area reclaim.
Razor part	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Fair: slope, too clayey.
Stapleton:				
83	Fair: frost action.	Unsuited	Unsuited	Fair: small stones.
84	Fair: frost action.	Unsuited	Unsuited	Fair: slope, small stones.
[1]85:				
Stapleton part	Fair: frost action.	Unsuited	Unsuited	Fair: slope, small stones.
Bernal part	Poor: thin layer, area reclaim, low strength.	Unsuited	Unsuited	Poor: area reclaim, thin layer.
Stoneham:				
86	Fair: low strength, frost action.	Unsuited	Unsuited	Good.
87	Fair: low strength, frost action.	Unsuited	Unsuited	Fair: slope.
Stroupe:				
[1]88:				
Stroupe part	Poor: slope, thin layer.	Unsuited	Unsuited	Poor: large stones, slope, thin layer.
Travessilla part	Poor: slope, thin layer.	Unsuited	Unsuited	Poor: area reclaim, slope.
Rock outcrop part.				
Tassel:				
89	Poor: thin layer, area reclaim.	Unsuited	Unsuited	Poor: area reclaim.
Terry:				
90	Poor: thin layer.	Unsuited	Unsuited	Fair: small stones.
[1]91:				
Terry part	Poor: thin layer.	Unsuited	Unsuited	Fair: slope, small stones.
Razor part	Poor: shrink-swell, low strength, thin layer.	Unsuited	Unsuited	Fair: too clayey.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Tomah:				
[1]92:				
Tomah part	Fair: frost action.	Poor: excess fines.	Unsuited	Fair: thin layer.
Crowfoot part	Fair: frost action, shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer.
[1]93:				
Tomah part	Fair: frost action.	Poor: excess fines.	Unsuited	Fair: thin layer, slope.
Crowfoot part	Fair: frost action, shrink-swell, low strength.	Unsuited	Unsuited	Fair: thin layer, slope.
Travessilla:				
[1]94:				
Travessilla part	Poor: slope, thin layer.	Unsuited	Unsuited	Poor: area reclaim, slope.
Rock outcrop part.				
Truckton:				
95	Fair: frost action.	Poor: excess fines.	Unsuited	Poor: too sandy.
96, 97	Fair: frost action.	Poor: excess fines.	Unsuited	Good.
[1]98:				
Truckton part	Fair: frost action.	Poor: excess fines.	Unsuited	Fair: slope.
Blakeland part	Good	Poor: excess fines.	Unsuited	Poor: too sandy.
[1]99:				
Truckton part	Fair: frost action.	Poor: excess fines.	Unsuited	Fair: slope.
Bresser part	Good	Poor: excess fines.	Unsuited	Fair: thin layer.
[1]100:				
Truckton part	Fair: frost action.	Poor: excess fines.	Unsuited	Good.
Bresser part	Good	Poor: excess fines.	Unsuited	Fair: thin layer.
Ustic Torrifluvents:				
101	---	---	---	---
Valent:				
102, 103	Good	Fair: excess fines.	Unsuited	Poor: too sandy.
Vona:				
104, 105	Fair: low strength.	Poor: excess fines.	Unsuited	Good.
Wigton:				
106	Good	Fair: excess fines.	Unsuited	Poor: too sandy.

See footnote at end of table.

TABLE 10.--CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Wiley:				
107, 108	Fair: low strength.	Unsuited	Unsuited	Good.
Yoder:				
109	Good	Fair: excess fines.	Fair: excess fines.	Poor: small stones, area reclaim.
110	Fair: slope.	Fair: excess fines.	Fair: excess fines.	Poor: slope, small stones, area reclaim.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 11.--WATER MANAGEMENT

["Seepage," and some of the other terms that describe restrictive soil features are defined in the Glossary. Absence of an entry means soil was not evaluated]

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Alamosa:						
1	Seepage, excess humus.	Low strength, compressible, piping.	Slope, floods, poor outlets.	Slope, wetness, floods.	Wetness, piping.	Wetness.
Ascalon:						
2	Seepage, slope.	Piping, low strength.	Slope	Slope, erodes easily.	Erodes easily, piping.	Erodes easily.
3	Seepage, slope.	Piping, low strength.	Slope	Slope, erodes easily.	Erodes easily, piping, slope.	Erodes easily, slope.
Badland:						
4.						
Bijou:						
5, 6, 7	Seepage, slope.	Piping	Slope	Slope, droughty, erodes easily.	Erodes easily, piping.	Erodes easily, droughty.
Blakeland:						
8	Seepage, slope.	Piping	Slope	Erodes easily, slope, droughty.	Erodes easily, piping.	Slope, erodes easily, droughty.
9:						
Blakeland part	Seepage, slope.	Piping	Slope	Erodes easily, slope, droughty.	Erodes easily, piping.	Slope, erodes easily, droughty.
Fluvaquentic Haplaquolls part	---	---	Wetness	Wetness	Wetness	Wetness.
Blendon:						
10	Seepage	Seepage, piping.	Not needed	Seepage	Not needed	Favorable.
Bresser:						
11	Seepage	Piping	Slope	Slope, erodes easily.	Erodes easily, piping.	Erodes easily.
12	Seepage, slope.	Piping	Slope	Slope, erodes easily.	Erodes easily, piping.	Slope, erodes easily.
13	Seepage, slope.	Piping	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Brussett:						
14	Slope, seepage.	Low strength, hard to pack, piping.	Slope	Slope	Piping	Favorable.
15	Slope, seepage.	Low strength, hard to pack, piping.	Slope	Slope	Piping	Slope.
Chaseville:						
16	Seepage, slope.	Erodes easily, piping, seepage.	Cutbanks cave	Slope, droughty.	Erodes easily, piping.	Slope, erodes easily, droughty.
17	Seepage, slope.	Erodes easily, piping, seepage.	Slope, cutbanks cave.	Slope, droughty.	Slope, erodes easily, piping.	Slope, erodes easily, droughty.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Chaseville:						
[1]18:						
Chaseville part	Seepage, slope.	Erodes easily, piping, seepage.	Slope, cutbanks cave.	Slope, droughty.	Slope, erodes easily, piping.	Slope, erodes easily, droughty.
Midway part	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Complex slope, depth to rock, excess salt.	Complex slope, rooting depth, excess salt.	Slope, depth to rock, poor outlets.	Slope, percs slowly, excess salt.
Columbine:						
19	Seepage	Seepage	Cutbanks cave	Droughty, erodes easily.	Erodes easily, piping, droughty.	Droughty.
Connerton:						
[1]20:						
Connerton part	Slope, seepage.	Low strength, shrink-swell.	Slope	Slope, erodes easily.	Slope, erodes easily.	Slope, erodes easily.
Rock outcrop part.						
Cruckton:						
21	Slope, seepage.	Erodes easily, low strength.	Slope	Slope, erodes easily.	Erodes easily	Slope, erodes easily.
Cushman:						
22	Depth to rock, slope, seepage.	Thin layer, low strength, piping.	Depth to rock, complex slope.	Rooting depth, complex slope.	Depth to rock	Rooting depth, erodes easily.
23	Depth to rock, slope, seepage.	Thin layer, low strength, piping.	Depth to rock, complex slope.	Rooting depth, complex slope.	Slope, depth to rock.	Rooting depth, slope, erodes easily.
[1]24:						
Cushman part	Depth to rock, slope, seepage.	Thin layer, low strength, piping.	Depth to rock, complex slope.	Rooting depth, complex slope.	Depth to rock	Rooting depth, slope, erodes easily.
Kutch part	Depth to rock, slope.	Thin layer, low strength, shrink-swell.	Depth to rock, percs slowly, slope.	Rooting depth, percs slowly, slope.	Depth to rock, percs slowly.	Rooting depth, percs slowly.
Elbeth:						
25	Seepage, slope.	Erodes easily, shrink-swell, low strength.	Slope, percs slowly.	Slope, erodes easily.	Erodes easily	Slope, erodes easily.
26	Seepage, slope.	Erodes easily, shrink-swell, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily.	Slope, erodes easily.
[1]27:						
Elbeth part	Seepage, slope.	Erodes easily, shrink-swell, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily.	Slope, erodes easily.
Pring part	Slope, seepage.	Piping	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Ellicott:						
28	Seepage	Piping, seepage.	Floods, cutbanks cave.	Floods, droughty.	Erodes easily, piping.	Droughty, erodes easily.
Fluvaquentic Haplaquolls:						
29	---	---	Floods	Floods, wetness.	Wetness	Wetness.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Fort Collins:						
30	Seepage	Low strength	Slope, percs slowly.	Slope	Favorable	Favorable.
31	Slope, seepage.	Low strength	Slope, percs slowly.	Slope	Favorable	Slope.
Fortwingate:						
[1]32:						
Fortwingate part	Depth to rock, slope.	Low strength, thin layer, shrink-swell.	Slope, percs slowly.	Slope, slow intake.	Depth to rock, slope.	Slope, droughty.
Rock outcrop part.						
Heldt:						
33	Favorable	Low strength, shrink-swell.	Percs slowly	Percs slowly, slow intake.	Percs slowly	Percs slowly.
Holderness:						
34	Slope, excess humus.	Shrink-swell, low strength, compressible.	Slope, percs slowly.	Slope, percs slowly.	Percs slowly	Favorable.
35	Slope, excess humus.	Shrink-swell, low strength, compressible.	Slope, percs slowly.	Slope, percs slowly.	Percs slowly	Slope.
36	Slope, excess humus.	Shrink-swell, low strength, compressible.	Slope, percs slowly.	Slope, percs slowly.	Slope, percs slowly.	Slope.
Jarre:						
37	Slope, seepage.	Shrink-swell, low strength.	Slope	Slope, erodes easily.	Erodes easily	Slope, erodes easily.
[1]38:						
Jarre part	Slope, seepage.	Shrink-swell, low strength.	Slope	Slope, erodes easily.	Slope, erodes easily.	Slope, erodes easily.
Tecolote part	Slope	Piping	Slope	Slope	Slope, piping.	Slope.
Keith:						
39	Seepage	Piping, erodes easily.	Not needed	Erodes easily, slope.	Erodes easily, slope.	Erodes easily, slope.
Kettle:						
40, 41	Seepage, slope.	Piping	Slope	Slope	Slope, erodes easily.	Slope, erodes easily.
[1]42:						
Kettle part	Seepage, slope.	Piping	Slope	Slope	Slope, erodes easily.	Slope, erodes easily.
Rock outcrop part.						
Kim:						
43	Seepage, slope.	Piping, low strength, hard to pack.	Slope	Slope	Slope, piping.	Slope.
Kutch:						
44	Depth to rock, slope.	Thin layer, low strength, shrink-swell.	Depth to rock, percs slowly, slope.	Rooting depth, percs slowly, slope.	Depth to rock, percs slowly.	Rooting depth, percs slowly.
45	Depth to rock, slope.	Thin layer, low strength, shrink-swell.	Depth to rock, percs slowly, slope.	Rooting depth, percs slowly, slope.	Depth to rock, percs slowly, slope.	Rooting depth, percs slowly, slope.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Kutler:						
[1]46:						
Kutler part	Seepage, slope.	Seepage, thin layer.	Slope	Slope	Slope, depth to rock.	Slope.
Broadmoor part	Slope, seepage, depth to rock.	Seepage, thin layer.	Slope	Slope	Slope, depth to rock.	Slope.
Rock outcrop part.						
Limon: 47	Favorable	Hard to pack, compressible, low strength.	Slope, percs slowly.	Slope, percs slowly, floods.	Erodes easily, percs slowly.	Erodes easily, percs slowly.
Louviers:						
48	Slope, depth to rock.	Low strength, compressible, shrink-swell.	Slope, depth to rock.	Slope, droughty.	Slope, depth to rock.	Slope, rooting depth.
49	Depth to rock, slope.	Low strength, compressible, shrink-swell.	Slope, depth to rock.	Slope, droughty.	Depth to rock, slope.	Rooting depth, slope.
Manvel: 50	Slope, seepage.	Erodes easily, low strength, piping.	Slope	Excess lime, slope, erodes easily.	Erodes easily	Erodes easily.
Manzanola:						
51	Favorable	Compressible, low strength, piping.	Percs slowly	Percs slowly	Percs slowly	Percs slowly.
52, 53	Slope	Compressible, low strength, piping.	Slope, percs slowly.	Percs slowly, slope.	Percs slowly	Percs slowly.
Midway: 54	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Complex slope, depth to rock, excess salt.	Complex slope, rooting depth, excess salt.	Slope, depth to rock, poor outlets.	Slope, percs slowly, excess salt.
Nederland: 55	Slope, seepage.	Low strength, piping.	Large stones, slope.	Large stones, slope, droughty.	Slope, piping.	Slope, droughty.
Nelson:						
[1]56:						
Nelson part	Slope, depth to rock, seepage.	Piping, thin layer, low strength.	Slope, depth to rock.	Slope, rooting depth.	Slope, depth to rock.	Slope, rooting depth.
Tassel part	Depth to rock, slope.	Erodes easily, thin layer.	Not needed	Droughty, rooting depth.	Depth to rock, erodes easily.	Rooting depth, erodes easily.
Neville: 57	Slope, seepage.	Piping, hard to pack, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
[1]58:						
Neville part	Slope, seepage.	Piping, hard to pack, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Rednun part	Slope	Shrink-swell, low strength, compressible.	Slope, percs slowly.	Slope, percs slowly.	Percs slowly	Slope, percs slowly.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Nunn:						
59	Favorable	Compressible, shrink-swell, hard to pack.	Percs slowly, slope.	Percs slowly, slope.	Percs slowly	Favorable.
Olney:						
60, 61	Seepage, slope.	Piping, low strength.	Slope	Slope, erodes easily.	Erodes easily, piping.	Erodes easily.
[1]62:						
Olney part	Seepage, slope.	Piping, low strength.	Slope	Slope, erodes easily.	Erodes easily, piping.	Erodes easily.
Vona part	Seepage, slope.	Piping, erodes easily, seepage.	Slope	Slope, fast intake, seepage.	Piping, erodes easily.	Erodes easily.
Paunsaugunt:						
[1]63:						
Paunsaugunt part	Depth to rock, slope, seepage.	Thin layer, seepage, piping.	Depth to rock, slope.	Droughty, slope.	Slope, depth to rock.	Slope, rooting depth.
Rock outcrop part.						
Penrose:						
[1]64:						
Penrose part	Depth to rock, slope.	Thin layer, piping.	Depth to rock, slope.	Droughty, slope.	Depth to rock, slope.	Rooting depth, droughty, slope.
Manvel part	Slope, seepage.	Erodes easily, low strength, piping.	Slope	Excess lime, slope, erodes easily.	Erodes easily	Erodes easily.
Perrypark:						
65	Slope, seepage.	Piping, low strength.	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Peyton:						
66	Slope, seepage.	Low strength	Slope	Slope, erodes easily.	Erodes easily	Slope, erodes easily.
67	Slope, seepage.	Low strength	Slope	Slope, erodes easily.	Erodes easily, slope.	Slope, erodes easily.
[1]68:						
Peyton part	Slope, seepage.	Low strength	Slope	Slope, erodes easily.	Erodes easily	Slope, erodes easily.
Pring part	Slope, seepage.	Piping	Slope	Slope, erodes easily.	Erodes easily, piping.	Slope, erodes easily.
[1]69:						
Peyton part	Slope, seepage.	Low strength	Slope	Slope, erodes easily.	Erodes easily, slope.	Slope, erodes easily.
Pring part	Slope, seepage.	Piping	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Pits, gravel:						
70.						
Pring:						
71	Slope, seepage.	Piping	Slope	Slope, erodes easily.	Erodes easily, piping.	Slope, erodes easily.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Pring:						
72	Slope, seepage.	Piping	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Razor:						
73	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Slope, depth to rock, percs slowly.	Slope, rooting depth, seepage.	Percs slowly, rooting depth, depth to rock.	Slope, rooting depth, percs slowly.
74	Slope, depth to rock.	Shrink-swell, low strength, thin layer.	Slope, depth to rock, percs slowly.	Slope, slow intake.	Slope, percs slowly, large stones.	Slope, percs slowly, large stones.
[1]75:						
Razor part	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Slope, depth to rock, percs slowly.	Slope, rooting depth, seepage.	Slope, percs slowly, depth to rock.	Slope, rooting depth, percs slowly.
Midway part	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Complex slope, depth to rock, excess salt.	Complex slope, rooting depth, excess salt.	Slope, depth to rock, poor outlets.	Slope, percs slowly, excess salt.
Rizozo:						
[1]76:						
Rizozo part	Slope, depth to rock, seepage.	Thin layer	Slope, depth to rock.	Slope, droughty, rooting depth.	Slope, depth to rock.	Slope, rooting depth.
Neville part	Slope, seepage.	Piping, hard to pack, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
Rock outcrop:						
[1]77:						
Rock outcrop part.						
Coldcreek part	Slope, depth to rock.	Piping, hard to pack.	Slope, depth to rock.	Slope	Slope, depth to rock, piping.	Slope.
Tolman part	Slope, depth to rock.	Thin layer, large stones, low strength.	Slope, depth to rock.	Slope, droughty.	Slope, depth to rock, large stones.	Slope, rooting depth, large stones.
Sampson:						
78	Seepage	Low strength, compressible, piping.	Slope	Slope	Piping	Favorable.
Satanta:						
79, 80	Seepage	Shrink-swell, low strength, piping.	Favorable	Favorable	Favorable	Favorable.
[1]81:						
Satanta part	Seepage	Shrink-swell, low strength, piping.	Favorable	Favorable	Favorable	Favorable.
Neville part	Slope, seepage.	Piping, hard to pack, low strength.	Slope, percs slowly.	Slope, erodes easily.	Erodes easily, piping.	Slope, erodes easily.
Schamber:						
[1]82:						
Schamber part	Slope, seepage.	Seepage	Not needed	Fast intake, droughty, slope.	Slope, too sandy, soil blowing.	Slope, droughty, erodes easily.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Schamber:						
Razor part	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Slope, depth to rock, percs slowly.	Slope, rooting depth, seepage.	Slope, percs slowly, depth to rock.	Slope, rooting depth, percs slowly.
Stapleton:						
83	Seepage, slope.	Favorable	Slope	Slope, droughty, erodes easily.	Erodes easily	Slope, erodes easily, droughty.
84	Seepage, slope.	Favorable	Slope	Slope, droughty, erodes easily.	Slope, erodes easily.	Slope, erodes easily, droughty.
[1]85:						
Stapleton part	Seepage, slope.	Favorable	Slope	Slope, droughty, erodes easily.	Slope, erodes easily.	Slope, erodes easily, droughty.
Bernal part	Depth to rock, slope.	Thin layer, low strength.	Depth to rock, slope.	Slope, rooting depth.	Depth to rock	Slope, depth to rock.
Stoneham:						
86	Seepage, slope.	Low strength, compressible, piping.	Slope	Slope	Favorable	Favorable.
87	Seepage, slope.	Low strength, compressible, piping.	Slope	Slope	Slope	Slope.
Stroupe:						
[1]88:						
Stroupe part	Depth to rock, slope.	Thin layer, low strength, hard to pack.	Depth to rock, slope.	Slope, percs slowly.	Depth to rock, slope.	Slope.
Travessilla part	Depth to rock, slope.	Thin layer, piping, erodes easily.	Depth to rock, slope.	Slope, droughty.	Depth to rock, slope, erodes easily.	Slope, rooting depth.
Rock outcrop part.						
Tassel:						
89	Depth to rock, slope.	Erodes easily, thin layer.	Not needed	Droughty, rooting depth.	Depth to rock, erodes easily.	Rooting depth, erodes easily.
Terry:						
90	Slope, depth to rock, seepage.	Piping, thin layer.	Slope, rooting depth.	Slope, rooting depth.	Depth to rock, piping.	Slope, rooting depth.
[1]91:						
Terry part	Slope, depth to rock, seepage.	Piping, thin layer.	Slope, rooting depth.	Slope, rooting depth.	Slope, depth to rock, piping.	Slope, rooting depth.
Razor part	Slope, depth to rock, seepage.	Thin layer, shrink-swell, low strength.	Slope, depth to rock, percs slowly.	Slope, rooting depth, seepage.	Percs slowly, rooting depth, depth to rock.	Slope, rooting depth, percs slowly.
Tomah:						
[1]92:						
Tomah part	Seepage, slope.	Piping, erodes easily.	Slope, percs slowly.	Slope, erodes easily.	Erodes easily, too sandy.	Slope, erodes easily.
Crowfoot part	Seepage, slope.	Piping, low strength.	Slope	Slope, fast intake.	Erodes easily, piping.	Slope, erodes easily.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Tomah:						
[1]93:						
Tomah part	Seepage, slope.	Piping, erodes easily.	Slope, percs slowly.	Slope, erodes easily.	Slope, erodes easily, too sandy.	Slope, erodes easily.
Crowfoot part	Seepage, slope.	Piping, low strength.	Slope	Slope, fast intake.	Slope, erodes easily, piping.	Slope, erodes easily.
Travessilla:						
[1]94:						
Travessilla part	Depth to rock, slope.	Thin layer, piping, erodes easily.	Depth to rock, slope.	Slope, droughty.	Depth to rock, slope, erodes easily.	Rooting depth, slope.
Rock outcrop part.						
Truckton:						
95	Slope	Erodes easily, piping.	Slope	Erodes easily, slope.	Erodes easily	Erodes easily, slope.
96	Seepage	Erodes easily, piping.	Slope	Erodes easily, slope.	Erodes easily	Erodes easily.
97	Slope	Erodes easily, piping.	Slope	Erodes easily, slope.	Slope, erodes easily.	Erodes easily, slope.
[1]98:						
Truckton part	Slope	Erodes easily, piping.	Slope	Erodes easily, slope.	Slope, erodes easily.	Erodes easily, slope.
Blakeland part	Seepage, slope.	Piping	Slope	Erodes easily, slope, droughty.	Slope, erodes easily, piping.	Slope, erodes easily, droughty.
[1]99:						
Truckton part	Slope	Erodes easily, piping.	Slope	Erodes easily, slope.	Slope, erodes easily.	Erodes easily, slope.
Bresser part	Seepage, slope.	Piping	Slope	Slope, erodes easily.	Slope, erodes easily, piping.	Slope, erodes easily.
[1]100:						
Truckton part	Slope	Erodes easily, piping.	Slope	Erodes easily, slope.	Erodes easily	Erodes easily, slope.
Bresser part	Seepage, slope.	Piping	Slope	Slope, erodes easily.	Erodes easily, piping.	Slope, erodes easily.
Ustic Torrifluvents:						
101	---	---	Floods	Floods	---	---
Valent:						
102	Seepage, slope.	Piping, seepage.	Slope	Slope, erodes easily, droughty.	Erodes easily, piping.	Erodes easily.
103	Seepage, slope.	Piping, seepage.	Slope	Slope, erodes easily, droughty.	Slope, erodes easily, piping.	Slope, erodes easily.
Vona:						
104	Seepage, slope.	Piping, erodes easily, seepage.	Slope	Slope, fast intake, seepage.	Piping, erodes easily.	Erodes easily.

See footnote at end of table.

TABLE 11.--WATER MANAGEMENT--Continued

Soil name and map symbol	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
Vona:						
105	Seepage, slope.	Piping, erodes easily, seepage.	Slope	Slope, fast intake, seepage.	Piping, erodes easily.	Slope, erodes easily.
Wigton:						
106	Seepage, slope.	Erodes easily, piping.	Slope, soil blowing.	Slope, droughty, soil blowing.	Erodes easily, piping.	Slope, erodes easily, droughty.
Wiley:						
107	Slope, seepage.	Piping, low strength.	Slope, percs slowly.	Slope, erodes easily.	Piping	Erodes easily.
108	Slope, seepage.	Piping, low strength.	Slope, percs slowly.	Slope, erodes easily.	Slope, piping.	Slope, erodes easily.
Yoder:						
109	Slope, seepage.	Seepage, piping.	Favorable	Droughty, slope.	Erodes easily, piping.	Slope, droughty, erodes easily.
110	Slope, seepage.	Seepage, piping.	Slope	Slope, droughty.	Erodes easily, slope, piping.	Slope, droughty, erodes easily.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 12.--RECREATIONAL DEVELOPMENT

["Shrink-swell" and some of the other terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "moderate," and "severe." Absence of an entry means soil was not rated]

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Alamosa: 1	Severe: floods, wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.
Ascalon: 2	Slight	Slight	Moderate: slope.	Slight.
3	Slight	Slight	Severe: slope.	Slight.
Badland: 4.				
Bijou: 5	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy, slope.	Moderate: too sandy.
6, 7	Slight	Slight	Moderate: slope.	Slight.
Blakeland: 8	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy.
[1]9:				
Blakeland part	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy.
Fluvaquentic Haplaquolls part	Severe: floods, wetness.	Severe: floods, wetness.	Severe: floods, wetness.	Severe: floods, wetness.
Blendon: 10	Slight	Slight	Slight	Slight.
Bresser: 11	Slight	Slight	Slight	Slight.
12	Slight	Slight	Moderate: slope.	Slight.
13	Slight	Slight	Severe: slope.	Slight.
Brussett: 14, 15	Moderate: percs slowly.	Slight	Moderate: slope, percs slowly.	Slight.
Chaseville: 16	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Slight.
17	Severe: slope.	Severe: slope.	Severe: small stones, slope.	Moderate: slope, small stones.
[1]18:				
Chaseville part	Severe: slope.	Severe: slope.	Severe: small stones, slope.	Severe: slope, small stones.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Chaseville:				
Midway part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Columbine:				
19	Slight	Slight	Moderate: small stones.	Slight.
Connerton:				
[1]20:				
Connerton part	Severe: slope.	Severe: slope.	Severe: slope.	Moderate: slope.
Rock outcrop part.				
Cruckton:				
21	Slight	Slight	Moderate: slope.	Slight.
Cushman:				
22	Moderate: dusty.	Moderate: dusty.	Moderate: slope, dusty.	Moderate: dusty.
23	Moderate: slope, dusty.	Moderate: slope, dusty.	Severe: slope.	Moderate: dusty.
[1]24:				
Cushman part	Moderate: dusty.	Moderate: dusty.	Severe: slope.	Moderate: dusty.
Kutch part	Moderate: percs slowly.	Moderate: too clayey.	Severe: slope.	Moderate: too clayey.
Elbeth:				
25	Slight	Slight	Moderate: slope.	Slight.
26	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
[1]27:				
Elbeth part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Pring part	Severe: slope.	Severe: slope.	Severe: slope.	Moderate: slope.
Ellicott:				
28	Severe: floods.	Moderate: floods, too sandy.	Severe: floods.	Moderate: too sandy.
Fluvaquentic Haplaquolls:				
29	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.	Severe: wetness, floods.
Fort Collins:				
30	Moderate: dusty.	Moderate: dusty.	Moderate: dusty.	Moderate: dusty.
31	Moderate: dusty.	Moderate: dusty.	Moderate: dusty, slope.	Moderate: dusty.
Fortwingate:				
[1]32:				
Fortwingate part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Fortwingate: Rock outcrop part.				
Heldt: 33	Moderate: too clayey.	Moderate: too clayey.	Moderate: percs slowly, too clayey.	Moderate: too clayey.
Holderness: 34	Moderate: percs slowly.	Slight	Moderate: percs slowly, slope.	Slight.
35	Moderate: percs slowly.	Slight	Severe: slope.	Slight.
36	Moderate: percs slowly, slope.	Moderate: slope.	Severe: slope.	Slight.
Jarre: 37	Slight	Slight	Moderate: slope.	Slight.
[1]38: Jarre part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Tecolote part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.
Keith: 39	Slight	Slight	Slight	Slight.
Kettle: 40	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy, slope.	Moderate: too sandy.
41	Severe: slope.	Severe: slope.	Severe: slope.	Moderate: too sandy, slope.
[1]42: Kettle part	Severe: slope.	Severe: slope.	Severe: slope.	Moderate: too sandy, slope.
Rock outcrop part.				
Kim: 43	Moderate: dusty.	Moderate: dusty.	Moderate: slope, dusty.	Moderate: dusty.
Kutch: 44	Moderate: percs slowly.	Moderate: too clayey.	Moderate: depth to rock, slope, too clayey.	Moderate: too clayey.
45	Moderate: percs slowly, slope.	Moderate: too clayey, slope.	Severe: slope.	Moderate: too clayey.
Kutler: [1]46: Kutler part	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Kutler:				
Broadmoor part	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Rock outcrop part.				
Limon:				
47	Severe: too clayey, percs slowly.	Severe: too clayey.	Severe: too clayey, percs slowly.	Moderate: too clayey.
Louviers:				
48	Severe: too clayey, percs slowly.	Severe: too clayey.	Severe: too clayey, depth to rock, slope.	Severe: too clayey.
49	Severe: slope.	Severe: slope.	Severe: percs slowly, depth to rock, slope.	Moderate: slope, too clayey, small stones.
Manvel:				
50	Moderate: dusty.	Moderate: dusty.	Severe: slope.	Moderate: dusty.
Manzanola:				
51	Moderate: percs slowly, too clayey.	Moderate: too clayey.	Moderate: percs slowly, too clayey.	Moderate: too clayey.
52	Moderate: percs slowly, too clayey.	Moderate: too clayey.	Moderate: slope, percs slowly, too clayey.	Moderate: too clayey.
53	Moderate: percs slowly, too clayey.	Moderate: too clayey.	Severe: slope.	Moderate: too clayey.
Midway:				
54	Severe: percs slowly, too clayey.	Severe: too clayey.	Severe: too clayey, percs slowly, slope.	Moderate: too clayey.
Nederland:				
55	Severe: small stones, slope.	Severe: small stones, slope.	Severe: small stones, slope.	Severe: small stones.
Nelson:				
[1]56:				
Nelson part	Moderate: dusty.	Moderate: dusty.	Severe: slope.	Moderate: dusty.
Tassel part	Moderate: slope, dusty.	Moderate: slope, dusty.	Severe: depth to rock, slope.	Moderate: dusty.
Neville:				
57	Slight	Slight	Severe: slope.	Slight.
[1]58:				
Neville part	Slight	Slight	Severe: slope.	Slight.
Rednun part	Moderate: percs slowly.	Slight	Moderate: percs slowly, slope.	Slight.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Nunn:				
59	Moderate: percs slowly.	Moderate: too clayey.	Moderate: percs slowly.	Moderate: too clayey.
Olney:				
60	Moderate: dusty.	Moderate: dusty.	Moderate: dusty.	Moderate: dusty.
61	Moderate: dusty.	Moderate: dusty.	Moderate: slope, dusty.	Moderate: dusty.
[1]62:				
Olney part	Moderate: dusty.	Moderate: dusty.	Moderate: slope, dusty.	Moderate: dusty.
Vona part	Moderate: dusty.	Moderate: dusty.	Moderate: slope, dusty.	Moderate: dusty.
Paunsaugunt:				
[1]63:				
Paunsaugunt part	Severe: slope.	Severe: slope.	Severe: slope, small stones, depth to rock.	Severe: slope.
Rock outcrop part.				
Penrose:				
[1]64:				
Penrose part	Severe: slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.
Manvel part	Moderate: dusty, slope.	Moderate: dusty, slope.	Severe: slope.	Moderate: dusty.
Perrypark:				
65	Slight	Slight	Severe: slope.	Slight.
Peyton:				
66	Slight	Slight	Moderate: slope.	Slight.
67	Slight	Slight	Severe: slope.	Slight.
[1]68:				
Peyton part	Slight	Slight	Moderate: slope.	Slight.
Pring part	Slight	Slight	Moderate: slope, small stones.	Slight.
[1]69:				
Peyton part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Pring part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Pits, gravel:				
70.				

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Pring:				
71	Slight	Slight	Moderate: slope, small stones.	Slight.
72	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Razor:				
73	Moderate: too clayey, percs slowly.	Moderate: too clayey.	Severe: slope.	Moderate: too clayey.
74	Moderate: slope, percs slowly, too clayey.	Moderate: slope, too clayey.	Severe: slope.	Moderate: too clayey.
[1]75:				
Razor part	Moderate: slope, too clayey, percs slowly.	Moderate: slope, too clayey.	Severe: slope.	Moderate: too clayey.
Midway part	Severe: percs slowly, too clayey.	Severe: too clayey.	Severe: too clayey, percs slowly, slope.	Moderate: too clayey.
Rizozo:				
[1]76:				
Rizozo part	Severe: slope.	Severe: slope.	Severe: depth to rock, slope.	Moderate: slope.
Neville part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Rock outcrop:				
[1]77:				
Rock outcrop part.				
Coldcreek part	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Severe: slope.
Tolman part	Severe: slope.	Severe: slope.	Severe: slope, depth to rock.	Severe: slope.
Sampson:				
78	Slight	Slight	Slight	Slight.
Satanta:				
79	Slight	Slight	Slight	Slight.
80	Slight	Slight	Moderate: slope.	Slight.
[1]81:				
Satanta part	Slight	Slight	Moderate: slope.	Slight.
Neville part	Slight	Slight	Moderate: slope.	Slight.
Schamber:				
[1]82:				
Schamber part	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Schamber:				
[1]82:				
Razor part	Moderate: slope, too clayey, percs slowly.	Moderate: slope, too clayey.	Severe: slope.	Moderate: too clayey.
Stapleton:				
83	Slight	Slight	Moderate: slope, small stones.	Slight.
84	Moderate: slope.	Moderate: slope.	Severe: slope, small stones.	Slight.
[1]85:				
Stapleton part	Moderate: slope.	Moderate: slope.	Severe: slope, small stones.	Slight.
Bernal part	Slight	Slight	Severe: depth to rock, slope.	Slight.
Stoneham:				
86	Moderate: dusty.	Moderate: dusty.	Moderate: dusty, slope.	Moderate: dusty.
87	Moderate: dusty, slope.	Moderate: dusty, slope.	Severe: slope.	Moderate: dusty.
Stroupe:				
[1]88:				
Stroupe part	Severe: large stones, slope.	Severe: slope.	Severe: large stones, slope.	Severe: slope.
Travessilla part	Severe: slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.
Rock outcrop part.				
Tassel:				
89	Moderate: slope.	Moderate: slope.	Severe: depth to rock, slope.	Slight.
Terry:				
90	Slight	Slight	Moderate: slope, depth to rock.	Slight.
[1]91:				
Terry part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Razor part	Moderate: too clayey, percs slowly.	Moderate: too clayey.	Severe: slope.	Moderate: too clayey.
Tomah:				
[1]92:				
Tomah part	Slight	Slight	Moderate: slope.	Slight.
Crowfoot part	Slight	Slight	Moderate: slope.	Slight.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Tomah:				
[1]93:				
Tomah part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Crowfoot part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Travessilla:				
[1]94:				
Travessilla part	Severe: slope.	Severe: slope.	Severe: depth to rock, slope.	Severe: slope.
Rock outcrop part.				
Truckton:				
95	Moderate: too sandy.	Moderate: too sandy.	Moderate: too sandy, slope.	Moderate: too sandy.
96	Slight	Slight	Slight	Slight.
97	Slight	Slight	Severe: slope.	Slight.
[1]98:				
Truckton part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Blakeland part	Moderate: too sandy.	Moderate: too sandy.	Severe: slope.	Moderate: too sandy.
[1]99:				
Truckton part	Moderate: slope.	Moderate: slope.	Severe: slope.	Slight.
Bresser part	Slight	Slight	Severe: slope.	Slight.
[1]100:				
Truckton part	Slight	Slight	Moderate: slope.	Slight.
Bresser part	Slight	Slight	Moderate: slope.	Slight.
Ustic Torrifluvents:				
101	Severe: floods.	Moderate: floods.	Moderate: floods.	Slight.
Valent:				
102	Moderate: too sandy.	Moderate: too sandy.	Severe: too sandy.	Severe: too sandy.
103	Moderate: too sandy, slope.	Moderate: too sandy, slope.	Severe: too sandy, slope.	Severe: too sandy.
Vona:				
104	Slight	Slight	Moderate: slope.	Slight.
105	Slight	Slight	Severe: slope.	Slight.
Wigton:				
106	Moderate: too sandy.	Moderate: too sandy.	Moderate: slope, too sandy.	Moderate: too sandy.

See footnote at end of table.

TABLE 12.--RECREATIONAL DEVELOPMENT--Continued

Soil name and map symbol	Camp areas	Picnic areas	Playgrounds	Paths and trails
Wiley:				
107	Moderate: dusty.	Moderate: dusty.	Moderate: dusty, slope.	Moderate: dusty.
108	Moderate: dusty.	Moderate: dusty.	Severe: slope.	Moderate: dusty.
Yoder:				
109	Moderate: small stones.	Moderate: small stones.	Severe: small stones.	Moderate: small stones.
110	Severe: slope.	Severe: slope.	Severe: slope, small stones.	Moderate: slope, small stones.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 13.--WILDLIFE HABITAT POTENTIALS

[See text for definitions of "good," "fair," "poor," and "very poor." Absence of an entry indicates the soil was not rated. All ratings are for nonirrigated soil]

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Alamosa:												
1	Very poor.	Poor	Good	---	---	Good	Good	Good	Poor	---	Good	Good.
Ascalon:												
2	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
3	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Badland:												
4.												
Bijou:												
5	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
6, 7	Fair	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Blakeland:												
8	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
[1]9:												
Blakeland part	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Fluvaquentic Haplaquolls part	Poor	Poor	Good	---	---	Poor	Good	Good	Fair	---	Good	Fair.
Blendon:												
10	Fair	Fair	Good	---	---	Good	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Bresser:												
11, 12	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
13	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Brussett:												
14, 15	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Chaseville:												
16, 17	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
[1]18:												
Chaseville part	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Midway part	Very poor.	Very poor	Poor	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Poor.
Columbine:												
19	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Connerton:												
[1]20:												
Connerton part--	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Rock outcrop part.												
Cruckton:												
21----------	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Cushman:												
22, 23----------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]24:												
Cushman part----	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Kutch part------	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Elbeth:												
25, 26----------	Poor	Fair	Good	---	Good	Good	Very poor.	Very poor.	Fair	Good	Very poor.	Good.
[1]27:												
Elbeth part-----	Poor	Fair	Good	---	Good	Good	Very poor.	Very poor.	Fair	Good	Very poor.	Good.
Pring part------	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Ellicott:												
28----------	Very poor.	Very poor.	Poor	---	---	Fair	Poor	Very poor.	Very poor.	---	Very poor.	Fair.
Fluvaquentic Haplaquolls:												
29----------	Poor	Fair	Good	---	---	Good	Good	Good	Fair	---	Good	Good.
Fort Collins:												
30, 31----------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Fortwingate:												
[1]32:												
Fortwingate part	Very poor.	Very poor.	Good	---	Fair	Fair	Very poor.	Very poor.	Poor	Fair	Very poor.	Good.
Rock outcrop part.												
Heldt:												
33----------	Fair	Fair	Poor	---	---	Poor	Poor	Very poor.	Fair	---	Very poor.	Poor.
Holderness:												
34, 35, 36--------	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Jarre:												
37----------	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]38:												
Jarre part------	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Jarre:												
Tecolote part	Very poor.	Very poor.	Fair	---	Fair	Fair	Very poor.	Very poor.	Poor	Fair	Very poor.	Fair.
Keith:												
39	Fair	Fair	Fair	---	Fair	Poor	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Kettle:												
40, 41	Poor	Fair	Good	---	Fair	Good	Very poor.	Very poor.	Fair	Fair	Very poor.	Good.
[1]42:												
Kettle part	Poor	Fair	Good	---	Fair	Good	Very poor.	Very poor.	Fair	Fair	Very poor.	Good.
Rock outcrop part.												
Kim:												
43	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Kutch:												
44	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
45	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Kutler:												
[1]46:												
Kutler part	Very poor.	Very poor.	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Broadmoor part	Very poor.	Very poor.	Fair	---	Poor	Fair	Very poor.	Very poor.	Poor	Poor	Very poor.	---
Rock outcrop part.												
Limon:												
47	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Louviers:												
48	Poor	Poor	Poor	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
49	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Manvel:												
50	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Manzanola:												
51, 52, 53	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Midway:												
54	Poor	Poor	Poor	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Poor.
Nederland:												
55	Very poor.	Very poor.	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Nelson:												
[1]56:												
Nelson part	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Tassel part	Poor	Poor	Poor	---	---	Poor	Very poor.	Very poor.	Poor	---	Very poor.	Poor.
Neville:												
57	Fair	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
[1]58:												
Neville part	Fair	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Rednun part	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Nunn:												
59	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Olney:												
60, 61	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]62:												
Olney part	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Vona part	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Paunsaugunt:												
[1]63:												
Paunsaugunt part	Very poor.	Very poor.	Poor	---	Very poor.	Poor	Very poor.	Very poor.	Very poor.	Poor	Very poor.	Poor.
Rock outcrop part.												
Penrose:												
[1]64:												
Penrose part	Very poor.	Very poor.	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Manvel part	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Perrypark:												
65	Fair	Fair	Good	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Peyton:												
66, 67	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]68:												
Peyton part	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Pring part	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]69:												
Peyton part	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Pring part	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Pits, gravel: 70.												
Pring: 71	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
72	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Razor: 73	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
74	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
[1]75:												
Razor part	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Midway part	Poor	Poor	Poor	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Rizozo: [1]76:												
Rizozo part	Very poor.	Very poor.	Poor	---	---	Fair	Very poor.	Very poor.	Very poor.	---	Very poor.	Fair.
Neville part	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Rock outcrop: [1]77:												
Rock outcrop part.												
Coldcreek part	Poor	Fair	Good	---	Good	Good	Very poor.	Very poor.	Fair	Good	Very poor.	---
Tolman part	Poor	Poor	Good	---	---	Good	Very poor.	Very poor.	Fair	---	Very poor.	Good.
Sampson: 78.												
Satanta: 79, 80	Fair	Fair	Fair	---	---	Poor	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
[1]81:												
Satanta part	Fair	Fair	Fair	---	---	Poor	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Neville part	Fair	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Schamber: [1]82:												
Schamber part	Very poor.	Poor	Poor	---	---	Poor	Very poor.	Very poor.	Poor	---	Very poor.	Poor.
Razor part	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Stapleton: 83, 84	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Stapleton:												
[1]85:												
Stapleton part--	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Bernal part-----	Poor	Poor	Fair	---	---	Poor	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Stoneham:												
86, 87----------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Stroupe:												
[1]88:												
Stroupe part----	Very poor.	Very poor.	Fair	---	---	Fair	Very poor.	Very poor.	Poor	---	Very poor.	Fair.
Travessilla part	Very poor.	Very poor.	Poor	---	---	Fair	Very poor.	Very poor.	Very poor.	---	Very poor.	Fair.
Rock outcrop part.												
Tassel:												
89----------	Very poor.	Poor	Poor	---	---	Poor	Very poor.	Very poor.	Poor	---	Very poor.	Very poor.
Terry:												
90----------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
[1]91:												
Terry part------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Razor part------	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Tomah:												
[1]92:												
Tomah part------	Fair	Fair	Good	---	---	Good	Poor	Very poor.	Fair	---	Very poor.	Good.
Crowfoot part---	Fair	Fair	Good	---	---	Good	Poor	Very poor.	Fair	---	Very poor.	Good.
[1]93:												
Tomah part------	Poor	Fair	Good	---	---	Good	Very poor.	Very poor.	Fair	---	Very poor.	Good.
Crowfoot part---	Poor	Fair	Good	---	---	Good	Very poor.	Very poor.	Fair	---	Very poor.	Good.
Travessilla:												
[1]94:												
Travessilla part	Very poor.	Very poor.	Poor	---	---	Fair	Very poor.	Very poor.	Very poor.	---	Very poor.	Fair.
Rock outcrop part.												
Truckton:												
95----------	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
96, 97----------	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.

See footnote at end of table.

TABLE 13.--WILDLIFE HABITAT POTENTIALS--Continued

Soil name and map symbol	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Truckton:												
[1]98:												
Truckton part---	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Blakeland part--	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
[1]99:												
Truckton part---	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Bresser part----	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
[1]100:												
Truckton part---	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Bresser part----	Poor	Poor	Fair	---	---	Fair	Poor	Very poor.	Poor	---	Very poor.	Fair.
Ustic Torrifluvents:												
101----------	Fair	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Valent:												
102, 103----------	Poor	Fair	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Vona:												
104.												
105----------	Poor	Fair	Fair	---	---	Fair	Poor	Very poor.	Fair	---	Very poor.	Fair.
Wigton:												
106----------	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.
Wiley:												
107, 108----------	Poor	Fair	Fair	---	---	Poor	Poor	Very poor.	Fair	---	Very poor.	Poor.
Yoder:												
109, 110----------	Poor	Poor	Fair	---	---	Fair	Very poor.	Very poor.	Fair	---	Very poor.	Fair.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS

[The symbol > means greater than. Absence of an entry means data were not estimated. NP is nonplastic]

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	
Alamosa:											
1	0-6	Loam	ML	A-4	0	90-100	80-100	80-95	55-75	30-40	5-10
	6-33	Clay loam, loam	CL	A-6, A-7	0	90-100	80-100	80-100	65-80	35-50	15-30
	33-60	Loam, sandy loam, loamy sand.	ML, SM, CL-ML, SM-SC	A-4, A-2	0	85-100	75-100	50-90	15-70	15-30	NP-10
Ascalon:											
2, 3	0-8	Sandy loam	SM	A-2, A-4	0	85-100	80-100	70-95	25-50	15-25	NP-5
	8-21	Sandy clay loam	SC, CL	A-6	0	85-100	80-100	70-100	40-55	20-40	10-20
	21-30	Sandy loam, sandy clay loam, fine sandy loam.	SC, SM-SC, CL, CL-ML	A-4, A-6	0	85-100	80-100	75-95	35-65	20-40	5-15
	30-60	Fine sandy loam, loamy sand, sandy loam.	SM	A-2	0	95-100	95-100	70-95	20-35	---	NP
Badland:											
4.											
Bijou:											
5	0-8	Loamy sand	SM	A-2, A-1	0	85-100	80-100	40-60	15-30	---	NP
	8-28	Coarse sandy loam, sandy loam.	SC	A-2, A-6	0	85-100	80-100	35-60	25-40	20-40	10-20
	28-60	Loamy coarse sand, loamy sand.	SM	A-1, A-2	0	85-100	80-100	30-50	15-30	---	NP
6, 7	0-8	Sandy loam	SM-SC, SC	A-2, A-4, A-6	0	85-100	80-100	35-60	25-40	20-40	5-15
	8-28	Coarse sandy loam, sandy loam.	SC	A-2, A-6	0	85-100	80-100	35-60	25-40	20-40	10-20
	28-60	Loamy coarse sand, loamy sand.	SM	A-1, A-2	0	85-100	80-100	30-50	15-30	---	NP
Blakeland:											
8	0-11	Loamy sand	SM-SC, SC	A-2	0	95-100	90-100	40-60	15-30	15-30	5-10
	11-60	Loamy sand, loamy coarse sand, sand.	SP-SC, SM-SC	A-2	0	95-100	80-100	35-60	5-25	20-25	5-10
[1]9:											
Blakeland part	0-11	Loamy sand	SM-SC, SC	A-2	0	85-100	80-100	40-60	15-30	15-30	5-10
	11-60	Loamy sand, loamy coarse sand, sand.	SM-SC, SC	A-2	0	85-100	80-100	35-60	5-25	20-25	5-10
Fluvaquentic Haplaquolls part	0-60	Variable	---	---	---	---	---	---	---	---	---
Blendon:											
10	0-23	Sandy loam	SM	A-2, A-4	0	80-100	70-100	60-100	25-50	20-30	NP-5
	23-60	Fine sandy loam, sandy loam.	SM	A-2, A-4	0	80-100	70-100	60-100	25-50	20-30	NP-5

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Bresser:											
11, 12, 13	0-8	Sandy loam	SM	A-1, A-2	0	95-100	75-100	35-50	20-35	15-25	NP-5
	8-27	Sandy clay loam	SC	A-2, A-6, A-7	0	95-100	75-100	50-70	30-50	30-55	10-25
	27-36	Sandy loam, coarse sandy loam, gravelly sandy loam.	SC, SM-SC	A-2	0	90-100	60-100	30-60	20-30	25-35	5-20
	36-60	Loamy coarse sand, gravelly loamy sand, very gravelly loamy sand.	SP-SC, SP-SM	A-2	0-5	80-100	35-85	20-50	5-10	20-30	5-10
Brussett:											
14, 15	0-12	Loam	ML	A-4	0	100	95-100	85-95	75-85	30-40	5-10
	12-34	Clay loam, loam	CL	A-6, A-7	0	100	95-100	95-100	80-90	30-50	10-25
	34-60	Silt loam	ML	A-4	0	100	95-100	95-100	80-90	30-40	5-10
Chaseville:											
16, 17	0-19	Gravelly sandy loam.	SP-SM, SM, GM, GP-GM	A-1	0-5	50-85	35-70	15-35	5-25	15-25	NP-5
	19-60	Very gravelly loamy sand, very gravelly sand.	GP, GP-GM, SP, SP-SM	A-1	0-5	40-80	20-50	10-30	0-10	---	NP
[1]18:											
Chaseville part	0-19	Gravelly sandy loam.	SP-SM, SM, GM, GP-GM	A-1	0-5	50-85	35-70	15-35	5-25	15-25	NP-5
	19-60	Very gravelly loamy sand, very gravelly sand.	GP, GP-GM, SP, SP-SM	A-1	0-5	40-80	20-50	10-30	0-10	---	NP
Midway part	0-4	Clay loam	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	4-13	Clay	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	13	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Columbine:											
19	0-6	Gravelly sandy loam.	SM	A-2, A-1	0-5	75-85	50-75	30-40	15-30	---	NP
	6-60	Very gravelly loamy sand, very gravelly coarse sand.	SP, SP-SM, GP, GP-GM	A-1	0-5	40-70	20-50	10-20	0-10	---	NP
Connerton:											
[1]20:											
Connerton part	0-13	Loam	CL	A-6	0-5	85-100	80-100	70-95	50-75	25-35	10-20
	13-60	Sandy clay loam	CL	A-6	0-5	85-100	80-100	70-95	50-75	25-35	10-20
Rock outcrop part.											
Cruckton:											
21	0-11	Sandy loam	SM, SM-SC	A-2	0	85-100	75-100	50-70	20-30	15-25	NP-10
	11-28	Sandy loam	SC, SM-SC	A-2, A-4, A-6	0	85-100	75-100	50-65	30-40	25-40	5-20
	28-60	Sandy loam, loamy sand.	SC, SM-SC	A-2	0	85-100	75-100	40-60	20-35	25-35	5-15

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Cushman:											
22, 23	0-5	Loam	ML, CL-ML	A-4	0	100	85-100	85-95	60-75	20-30	NP-10
	5-23	Sandy clay loam	CL	A-6	0	100	90-100	85-95	70-80	25-35	10-15
	23-30	Fine sandy loam	CL-ML	A-4	0	100	85-100	85-95	60-75	25-30	5-10
	30	Weathered bedrock.	---	---	---	---	---	---	---	---	---
[1]24:											
Cushman part	0-5	Loam	ML, CL-ML	A-4	0	100	85-100	85-95	60-75	20-30	NP-10
	5-23	Sandy clay loam	CL	A-6	0	100	90-100	85-95	70-80	25-35	10-15
	23-30	Fine sandy loam	CL-ML	A-4	0	100	85-100	85-95	60-75	25-30	5-10
	30	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Kutch part	0-10	Clay loam	CL	A-6, A-7	0-10	95-100	90-100	90-100	70-80	30-50	20-30
	10-36	Clay, clay loam	CH, CL	A-7	0-5	95-100	90-100	90-100	75-95	45-60	20-35
	36	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Elbeth:											
25, 26	0-23	Sandy loam	SC, SM-SC	A-2, A-4, A-6	0	90-100	75-100	40-55	30-40	25-40	5-15
	23-60	Sandy clay loam	SC, CL	A-6	0	90-100	75-100	40-65	35-55	30-40	10-20
[1]27:											
Elbeth part	0-23	Sandy loam	SC, SM-SC	A-2, A-4, A-6	0	90-100	75-100	40-55	30-40	25-40	5-15
	23-60	Sandy clay loam	SC, CL	A-6	0	90-100	60-100	40-65	35-55	30-40	10-20
Pring part	0-14	Coarse sandy loam.	SM	A-1, A-2	0-5	85-100	50-90	35-50	15-30	15-25	NP-5
	14-60	Coarse sandy loam, gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	75-95	50-80	35-50	15-25	20-35	5-15
Ellicott:											
28	0-4	Loamy coarse sand.	SP-SM, SM	A-1	0	70-100	50-100	20-50	5-15	---	NP
	4-60	Stratified coarse sand to sandy loam.	SP-SM, SM	A-1	0-5	70-100	50-95	20-50	5-15	---	NP
Fluvaquentic Haplaquolls:											
29	0-60	Variable	---	---	---	---	---	---	---	---	---
Fort Collins:											
30, 31	0-9	Loam	CL-ML	A-4	0	95-100	80-100	85-100	50-65	25-35	5-10
	9-21	Loam, clay loam	CL	A-6	0	95-100	80-100	85-95	60-75	25-40	10-20
	21-60	Loam	CL, CL-ML	A-4, A-6	0	95-100	80-100	80-95	50-75	25-35	5-15
Fortwingate:											
[1]32:											
Fortwingate part	0-6	Loam	SM, ML	A-4	0	100	100	95-100	40-75	---	NP
	6-23	Clay, clay loam	CL	A-7	0	85-100	80-100	70-100	70-90	40-50	20-35
	23	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop part.											
Heldt:											
33	0-8	Clay loam	CH, CL	A-7	0	85-100	80-100	75-100	65-95	45-55	25-35
	8-60	Silty clay, silty clay loam.	CH, CL	A-7	0	85-100	80-100	75-100	65-95	45-55	25-35

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Holderness:											
34, 35, 36	0-9	Loam	ML	A-4	0-5	80-100	70-100	60-95	50-80	20-40	NP-10
	9-43	Clay loam, clay	CL, CH	A-6, A-7	0-5	80-100	70-100	60-95	50-85	35-65	15-35
	43-60	Gravelly sandy clay loam.	CL, SC, CL-ML, SM-SC	A-6, A-4	0-5	80-100	70-100	60-90	40-65	25-40	5-20
Jarre:											
37	0-5	Gravelly sandy loam.	CL-ML, ML, SM, SM-SC	A-4	0-5	85-100	50-100	55-80	45-65	20-30	NP-10
	5-22	Gravelly clay loam, gravelly loam, gravelly sandy clay loam.	CL, SC	A-6, A-2	0-5	85-100	50-100	40-80	25-60	25-40	10-20
	22-60	Very gravelly loam, very gravelly sandy loam.	SM-SC, GM-GC, GP-GC	A-2	0-10	35-85	15-50	10-40	5-30	20-30	5-10
[1]38:											
Jarre part	0-5	Gravelly sandy loam.	CL-ML, ML, SM, SM-SC	A-4	0-5	85-100	50-100	55-80	45-65	20-30	NP-10
	5-22	Gravelly clay loam, gravelly loam, gravelly sandy clay loam.	CL, SC	A-6, A-2	0-5	85-100	50-100	40-80	25-60	25-40	10-20
	22-60	Very gravelly loam, very gravelly sandy loam.	SM-SC, GM-GC	A-2	0-10	35-85	15-50	10-40	5-30	20-30	5-10
Tecolote part	0-3	Stony loam	GM, ML	A-2, A-4, A-1	25-65	50-75	45-70	30-70	15-60	20-30	NP-5
	3-29	Stony fine sandy loam, stony loam, very gravelly sandy loam.	GM	A-2, A-4, A-1	25-65	50-75	45-70	30-65	15-50	20-30	NP-5
	29-45	Stony clay loam, stony sandy clay loam, extremely gravelly sandy clay loam.	GC, CL	A-2, A-6	25-65	50-75	45-70	35-70	15-55	30-40	10-20
	45-60	Extremely gravelly loamy sand.	GM	A-1	25-65	50-75	30-70	30-50	5-15	---	NP
Keith:											
39	0-8	Silt loam	ML, CL-ML	A-4	0	100	100	95-100	85-95	20-35	NP-10
	8-30	Silt loam, silty clay loam.	CL	A-6	0	100	100	95-100	85-100	30-40	10-20
	30-60	Silt loam	ML, CL-ML	A-4	0	100	100	95-100	85-95	20-35	NP-10
Kettle:											
40, 41	0-3	Gravelly loamy sand.	SM	A-1, A-2	0-5	80-95	50-100	25-70	10-25	---	NP
	3-40	Gravelly sandy loam.	SC, SM-SC	A-2	0-5	85-100	50-100	25-70	15-35	25-35	5-15
	40-60	Extremely gravelly loamy sand, very gravelly sand.	SM-SC, SP-SC	A-2	0-5	75-90	20-50	10-25	0-15	20-30	5-10

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Kettle:											
142:											
Kettle part-----	0-3	Gravelly loamy sand.	SM	A-1, A-2	0-5	80-95	50-100	25-70	10-25	---	NP
	3-40	Gravelly sandy loam.	SC, SM-SC	A-2	0-5	85-100	50-100	25-70	15-35	25-35	5-15
	40-60	Extremely gravelly loamy sand, very gravelly sand.	SM-SC, SP-SC	A-2	0-5	75-90	20-50	10-25	0-15	20-30	5-10
Rock outcrop part.											
Kim:											
43----------	0-4	Loam----------	ML, SM	A-4	0-5	80-100	75-100	60-90	45-75	20-35	NP-5
	4-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0-5	80-100	75-100	70-95	60-85	25-40	5-15
Kutch:											
44, 45----------	0-5	Clay loam-------	CL	A-6, A-7	0-10	90-100	80-100	80-100	70-80	30-50	20-30
	5-28	Clay, clay loam	CH, CL	A-7	0-5	90-100	80-100	80-100	75-95	45-60	20-35
	28-36	Extremely shaly clay loam.	GC	A-2	0-10	20-30	10-20	10-20	5-15	45-60	20-35
	36	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Kutler:											
146:											
Kutler part-----	0-6	Very gravelly sandy loam.	GM	A-1	0-5	45-55	40-50	25-35	10-25	15-35	NP-5
	6-23	Very gravelly sandy loam.	GP-GC	A-2	0-5	30-50	20-40	10-25	5-10	15-35	5-15
	23	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Broadmoor part--	0-15	Extremely gravelly sandy loam.	GM	A-1	0-5	30-50	25-45	15-30	10-20	15-35	NP-5
	15-28	Extremely gravelly sandy loam.	GP-GC	A-2	0-5	30-50	20-40	10-20	5-10	20-35	5-15
	28	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop part.											
Limon:											
47----------	0-4	Clay----------	CL	A-6, A-7	0	90-100	85-100	85-100	70-90	30-50	15-30
	4-60	Silty clay loam, silty clay.	CH, CL	A-7	0	90-100	85-100	85-100	75-95	40-60	20-40
Louviers:											
48----------	0-5	Silty clay loam	CL, CH	A-7, A-6	0	90-100	80-100	80-100	75-95	35-55	15-30
	5-14	Clay, silty clay, silty clay loam.	CL, CH	A-7, A-6	0	90-100	80-100	80-100	75-95	35-60	20-35
	14	Weathered bedrock.	---	---	---	---	---	---	---	---	---
49----------	0-5	Cobbly clay loam	CL, CH	A-7, A-6	40-50	75-100	75-100	75-100	70-80	35-55	15-30
	5-14	Clay, silty clay, silty clay loam.	CL, CH	A-7, A-6	0-15	90-100	80-100	80-100	75-95	35-60	20-35
	14	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Manvel:											
50----------	0-3	Loam----------	CL-ML, CL	A-4, A-6	0	100	95-100	95-100	75-90	25-35	5-15
	3-60	Silt loam, silty clay loam, loam.	CL, ML	A-6, A-4	0	100	95-100	95-100	80-90	30-40	5-20

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Manzanola:											
51, 52, 53	0-6	Clay loam	CL, CL-ML	A-4, A-6	0-5	95-100	80-95	70-95	50-75	25-40	5-20
	6-32	Clay loam, clay	CL	A-6, A-7	0-5	95-100	90-100	85-95	65-85	35-50	20-30
	32-60	Clay loam, loam	CL	A-6	0-5	95-100	90-100	85-95	60-80	30-40	10-20
Midway:											
54	0-4	Clay loam	CL, CH	A-7	0	100	95-100	90-100	80-95	45-60	20-35
	4-13	Clay	CL, CH	A-7	0	100	95-100	90-100	80-95	45-60	20-35
	13	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Nederland:											
55	0-5	Cobbly sandy loam.	SM-SC, SM	A-2	25-45	70-90	70-85	40-55	20-35	25-35	5-10
	5-28	Very cobbly clay loam.	SC	A-2, A-6, A-7	50-60	70-90	70-90	40-65	25-50	30-50	10-25
	28-60	Very cobbly sandy loam.	SM-SC, SC	A-2	50-60	65-80	60-80	30-50	20-30	20-35	5-15
Nelson:											
[1]56:											
Nelson part	0-7	Fine sandy loam	ML, SM	A-4	0-5	75-100	75-100	70-90	45-60	---	NP
	7-26	Fine sandy loam, sandy loam.	SM, ML	A-4, A-2	0	75-100	75-100	60-85	30-55	---	NP
	26	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Tassel part	0-10	Fine sandy loam	ML, SM	A-4	0	95-100	90-100	70-95	40-65	20-35	NP-5
	10	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Neville:											
57	0-10	Fine sandy loam	SM, ML	A-4	0-5	90-100	75-100	70-95	40-75	15-25	NP-5
	10-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-5	90-100	85-100	85-95	60-80	20-40	5-15
[1]58:											
Neville part	0-10	Fine sandy loam	SM, ML	A-4	0-5	90-100	75-100	70-95	40-75	15-25	NP-5
	10-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-5	90-100	85-100	85-95	60-80	20-40	5-15
Rednun part	0-6	Loam	CL-ML, CL	A-4, A-6	0	100	95-100	85-95	60-75	20-30	5-15
	6-29	Clay loam, clay	CL, CH	A-6, A-7	0	100	90-100	85-100	70-95	35-60	20-40
	29-60	Loam, clay loam	CL	A-6	0	100	90-100	85-95	60-75	30-40	15-20
Nunn:											
59	0-12	Clay loam	CL, SC	A-6	0-5	95-100	80-95	70-95	45-75	25-40	10-20
	12-30	Clay loam, clay	CL, CH	A-6, A-7	0-5	95-100	90-100	85-95	65-75	35-60	20-35
	30-60	Clay loam, sandy clay loam, clay.	CL, SC, CL-ML, SM-SC	A-4, A-6, A-2	0-5	80-100	80-100	60-90	25-75	15-40	5-20
Olney:											
60, 61	0-6	Sandy loam	SM	A-2	0	95-100	80-100	65-95	20-35	15-25	NP-5
	6-21	Sandy clay loam	SC, CL	A-6	0	95-100	80-100	75-100	40-55	20-40	10-20
	21-60	Sandy loam, loamy sand, fine sandy loam.	SC, CL, SM-SC, CL-ML	A-4, A-6	0	95-100	80-100	70-95	35-55	20-35	5-15
[1]62:											
Olney part	0-6	Sandy loam	SM	A-2	0	95-100	90-100	70-95	20-35	15-25	NP-5
	6-21	Sandy clay loam	SC, CL	A-6	0	95-100	90-100	80-100	40-55	20-40	10-20
	21-60	Sandy loam, sandy clay loam, fine sandy loam.	SC, SM-SC, CL, CL-ML	A-4, A-6	0	95-100	95-100	75-95	35-55	20-35	5-15

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Olney:											
Vona part-------	0-8	Sandy loam------	SM	A-2, A-4	0	100	90-100	60-90	30-45	---	NP
	8-30	Fine sandy loam,	SM	A-2, A-4	0	100	90-100	60-90	30-45	---	NP
	30-60	Sandy loam, loamy sand.	SM	A-2	0	100	90-100	50-85	15-30	---	NP
Paunsaugunt:											
[1]63:											
Paunsaugunt part	0-6	Gravelly loam---	GM-GC	A-4	0-5	50-70	45-65	45-60	40-50	20-30	5-10
	6-17	Very gravelly loam.	GM	A-1, A-2	0-5	40-55	35-50	35-50	15-30	15-20	NP-5
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop part.											
Penrose:											
[1]64:											
Penrose part----	0-11	Channery loam---	ML, GM	A-4	5-20	60-75	60-75	50-75	40-60	15-25	NP-5
	11	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Manvel part-----	0-3	Loam----------	CL-ML, CL	A-4, A-6	0	95-100	95-100	95-100	70-90	25-35	5-15
	3-60	Silt loam, silty clay loam, loam.	CL, CL-ML	A-6, A-4	0	95-100	95-100	95-100	80-90	20-40	5-20
Perrypark:											
65----------	0-4	Gravelly sandy loam.	SM	A-2	0-5	70-85	60-75	55-70	30-35	10-20	NP-5
	4-48	Sandy clay loam	SC, CL	A-6	0-5	80-100	75-100	60-90	35-55	20-35	10-20
	48-60	Sandy loam------	SM	A-2	0-5	80-100	75-100	50-75	15-35	10-20	NP-5
Peyton:											
66, 67----------	0-12	Sandy loam------	SC	A-2	0	95-100	75-100	35-50	20-35	30-45	10-25
	12-25	Sandy clay loam	SC	A-2, A-6, A-7	0	95-100	75-100	55-70	30-50	35-50	15-25
	25-60	Sandy loam, coarse sandy loam, gravelly sandy loam.	SC	A-2	0	90-100	60-100	30-60	20-35	25-40	10-20
[1]68, [1]69:											
Peyton part-----	0-12	Sandy loam------	SC	A-2	0	95-100	75-100	35-50	20-35	30-45	10-25
	12-25	Sandy clay loam	SC	A-2, A-6, A-7	0	95-100	75-100	55-70	30-50	35-50	15-25
	25-60	Sandy loam, coarse sandy loam, gravelly sandy loam.	SC	A-2	0	90-100	60-100	30-60	20-35	25-40	10-20
Pring part------	0-14	Coarse sandy loam.	SM	A-2	0-5	85-100	75-90	35-50	15-30	15-25	NP-5
	14-60	Coarse sandy loam, gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	75-95	50-80	35-50	15-25	20-35	5-15
Pits, gravel:											
70.											
Pring:											
71, 72----------	0-14	Coarse sandy loam.	SM	A-2	0-5	85-100	75-90	35-50	15-30	15-25	NP-5
	14-60	Coarse sandy loam, gravelly sandy loam.	SM-SC, SC	A-2, A-1	0-5	75-95	50-80	35-50	15-25	20-35	5-15

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Razor:											
73----------	0-3	Clay loam-------	CL	A-6	0	100	100	90-100	75-85	30-40	10-20
	3-31	Clay loam, clay	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	31	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
74----------	0-4	Stony clay loam	CL	A-7	5-30	80-100	80-100	80-100	70-80	40-50	20-30
	4-29	Cobbly clay-----	CL, CH	A-7	5-30	80-100	80-100	80-100	70-95	40-60	20-35
	29	Weathered bedrock.	---	---	---	---	---	---	---	---	---
[1]75:											
Razor part------	0-3	Clay loam-------	CL	A-6	0	100	100	90-100	75-85	30-40	10-20
	3-31	Clay loam, clay	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	31	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Midway part-----	0-4	Clay loam-------	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	4-13	Clay----------	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	13	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Rizozo:											
[1]76:											
Rizozo part-----	0-10	Loam----------	ML, CL-ML	A-4	0-20	80-95	75-90	55-85	50-80	20-35	5-10
	10	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Neville part----	0-10	Fine sandy loam	SM, ML	A-4	0-5	90-100	75-100	70-95	40-75	15-25	NP-5
	10-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-5	90-100	85-100	85-95	60-80	20-40	5-15
Rock outcrop:											
[1]77:											
Rock outcrop part.											
Coldcreek part--	0-6	Cobbly loam-----	ML, SM	A-2, A-4	10-30	65-85	60-75	40-70	25-55	20-35	NP-10
	6-31	Extremely cobbly sandy loam.	GM	A-1, A-2	40-50	40-50	40-50	25-40	10-25	20-35	NP-10
	31-43	Extremely cobbly clay loam.	GM	A-2, A-4	40-60	40-60	40-60	35-60	30-50	25-35	NP-10
	43	Fragmental material.	---	---	---	---	---	---	---	---	---
Tolman part-----	0-4	Gravelly sandy loam.	GM	A-1, A-2	5-25	35-65	25-55	20-50	10-25	20-35	NP-10
	4-13	Very cobbly sandy clay loam.	GM	A-1, A-2	5-25	30-60	25-55	20-50	15-35	20-35	5-10
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Sampson:											
78----------	0-15	Loam----------	ML, CL-ML	A-4	0	95-100	90-100	75-95	50-65	25-35	5-10
	15-34	Clay loam, loam	CL	A-6	0	95-100	90-100	80-90	60-75	25-40	15-25
	34-60	Loam, sandy clay loam.	ML, CL, SM, SC	A-4, A-6	0	90-100	75-100	60-90	35-70	20-35	NP-15
Satanta:											
79, 80----------	0-9	Loam----------	ML	A-4	0	100	95-100	80-100	50-85	20-35	NP-5
	9-30	Loam, clay loam, sandy clay loam.	SC, CL	A-7, A-6	0	100	95-100	50-85	45-75	30-45	10-25
	30-60	Loam, silt loam	ML	A-4	0	100	95-100	80-100	50-85	20-35	NP-10
[1]81:											
Satanta part----	0-9	Loam----------	ML	A-4	0	100	95-100	80-100	50-85	20-35	NP-5
	9-30	Loam, clay loam, sandy clay loam.	SC, CL	A-7, A-6	0	100	95-100	50-85	45-75	30-45	10-25
	30-60	Loam, clay loam	ML, CL	A-4, A-6	0	100	95-100	80-100	50-85	20-36	2-15

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Satanta:											
Neville part----	0-10	Fine sandy loam	SM, ML	A-4	0-5	90-100	75-100	70-95	40-75	15-25	NP-5
	10-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-5	90-100	85-100	85-95	60-80	20-40	5-15
Schamber:											
[1]82:											
Schamber part---	0-14	Gravelly loam---	SC, CL, SM-SC, CL-ML	A-2, A-4, A-6	0-15	80-100	60-75	50-70	30-65	25-40	5-20
	14-60	Very gravelly sand.	GM, GW, SM	A-1	0-25	30-60	25-45	10-20	0-15	15-25	NP-5
Razor part------	0-3	Clay loam-------	CL	A-6	0	100	100	90-100	75-85	30-40	10-20
	3-31	Clay loam, clay	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-25
	31	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Stapleton:											
83, 84----------	0-26	Sandy loam------	SM-SC	A-2, A-4	0-5	85-100	75-95	35-50	30-40	15-25	5-10
	26-60	Gravelly loamy sand.	SM	A-2	0-5	85-100	50-75	25-50	15-30	20-40	5-15
[1]85:											
Stapleton part--	0-26	Sandy loam------	SM-SC	A-2, A-4	0-5	85-90	75-95	35-50	30-40	15-25	5-10
	26-60	Gravelly loamy sand.	SM	A-2	0-5	85-100	50-75	25-50	15-30	20-40	5-15
Bernal part-----	0-4	Sandy loam------	SC, CL, CL-ML, SC-SM	A-6, A-4	0	100	100	65-95	45-60	20-35	5-15
	4-13	Sandy clay loam	SC	A-2, A-4, A-6	0	100	75-100	50-70	30-50	30-40	10-25
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Stoneham:											
86, 87----------	0-4	Sandy loam------	SM, ML	A-4, A-2	0	90-100	75-100	60-85	30-55	10-20	NP-5
	4-16	Clay loam, sandy clay loam, loam.	CL, SC, CL-ML, SM-SC	A-6, A-4	0	95-100	90-100	80-100	35-80	25-40	5-25
	16-60	Loam, sandy loam	CL, SC, SM-SC, CL-ML	A-4, A-6, A-2	0	95-100	75-100	60-95	30-75	15-30	5-15
Stroupe:											
[1]88:											
Stroupe part----	0-8	Stony loam------	SM, ML	A-4	45-70	80-95	75-90	65-85	45-65	15-30	NP-5
	8-35	Stony clay, very stony clay, very stony clay loam.	GC, CL	A-6, A-7	30-50	65-80	60-75	55-75	45-70	35-45	15-25
	35	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Travessilla part	0-11	Sandy loam------	SM	A-2, A-4	0-10	75-100	60-100	50-65	15-40	---	NP
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop part.											
Tassel:											
89----------	0-10	Fine sandy loam	ML, SM	A-4	0	95-100	90-100	70-95	40-65	20-35	NP-5
	10	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Terry:											
90----------	0-5	Sandy loam------	SM, ML	A-2, A-4	0-5	75-100	75-100	70-90	30-60	---	NP
	5-23	Fine sandy loam, sandy loam.	SM, ML	A-4	0	75-100	75-100	70-85	40-60	---	NP
	23	Weathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Terry:											
191:											
Terry part------	0-5	Sandy loam------	SM, ML	A-2, A-4	0-5	75-100	75-100	70-90	30-60	---	NP
	5-23	Fine sandy loam, sandy loam.	SM, ML	A-4	0	75-100	75-100	70-85	40-60	---	NP
	23	Weathered bedrock.	---	---	---	---	---	---	---	---	---
Razor part------	0-3	Clay loam-------	CL	A-6	0	100	100	90-100	75-85	30-40	10-20
	3-31	Clay loam, clay	CL, CH	A-7	0	100	100	90-100	80-95	45-60	20-35
	31	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tomah:											
192, 193:											
Tomah part------	0-10	Loamy sand------	SM	A-2, A-4	0	95-100	90-100	60-80	30-40	20-30	NP-5
	10-22	Sand----------	SM	A-2	0	95-100	80-100	50-75	15-30	10-20	NP-5
	22-48	Stratified sandy clay loam to coarse sand.	SC	A-2, A-6	0	95-100	75-100	40-65	25-45	20-40	10-20
	48-60	Coarse sand-----	SM-SC	A-2, A-1	0	90-100	75-90	30-45	10-25	15-25	5-10
Crowfoot part---	0-12	Loamy sand------	SM	A-2, A-4	0-5	85-100	75-100	40-60	25-40	20-30	NP-5
	12-23	Sand----------	SM	A-2, A-1	0-5	85-100	75-100	35-55	15-30	---	NP
	23-36	Sandy clay loam	CL, SC	A-6	0-5	85-100	75-100	60-85	45-55	30-40	10-20
	36-60	Coarse sand-----	SM	A-1, A-2	0-5	75-100	65-90	25-60	15-30	---	NP
Travessilla:											
194:											
Travessilla part	0-11	Sandy loam------	SM	A-2, A-4	0-10	75-100	60-95	50-65	15-40	---	NP
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop part.											
Truckton:											
95----------	0-8	Loamy sand------	SM	A-2	0	95-100	95-100	50-70	20-30	15-25	NP-5
	8-24	Sandy loam------	SC, SM-SC	A-2, A-4, A-6	0	95-100	95-100	60-70	30-40	20-40	5-20
	24-60	Sandy loam, loamy sand.	SC, SM-SC	A-2	0	95-100	95-100	50-65	20-35	20-35	5-15
96, 97----------	0-8	Sandy loam------	SM	A-2	0	95-100	95-100	50-70	20-30	15-25	NP-5
	8-24	Sandy loam------	SC, SM-SC	A-2, A-4, A-6	0	95-100	95-100	60-70	30-40	20-40	5-20
	24-60	Sandy loam, loamy sand.	SC, SM-SC	A-2	0	95-100	95-100	50-65	20-35	20-35	5-15
198:											
Truckton part---	0-8	Sandy loam------	SM	A-2	0	95-100	95-100	50-70	20-30	15-25	NP-5
	8-24	Sandy loam------	SC, SM-SC	A-2, A-4, A-6	0	95-100	95-100	60-70	30-40	20-40	5-20
	24-60	Sandy loam, loamy sand.	SC, SM-SC	A-2	0	95-100	95-100	50-65	20-35	20-35	5-15
Blakeland part--	0-11	Loamy sand------	SM-SC	A-2	0	95-100	90-100	40-60	15-30	10-30	5-10
	11-60	Loamy sand, loamy coarse sand, sand.	SP-SC, SM-SC	A-2	0	95-100	80-100	35-60	5-25	20-25	5-10

See footnote at end of table.

TABLE 14.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--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	
Truckton: [1]99, [1]100:											
Truckton part---	0-8	Sandy loam------	SM	A-2	0	95-100	95-100	50-70	20-30	15-25	NP-5
	8-24	Sandy loam------	SC, SM-SC	A-2, A-4, A-6	0	95-100	95-100	60-70	30-40	20-40	5-20
	24-60	Sandy loam, loamy sand.	SC, SM-SC	A-2	0	95-100	95-100	50-65	20-35	20-35	5-15
Bresser part----	0-8	Sandy loam------	SM	A-1, A-2	0	95-100	75-100	35-50	20-35	15-25	NP-5
	8-27	Sandy clay loam	SC, SM	A-2, A-6, A-7	0	95-100	75-100	50-70	30-50	30-55	10-25
	27-36	Sandy loam, coarse sandy loam, gravelly sandy loam.	SC, SM-SC	A-2	0	90-100	60-100	30-60	20-30	25-35	5-20
	36-60	Loamy coarse sand, gravelly loamy sand, very gravelly loamy sand.	SP-SC	A-2	0-5	80-100	35-85	20-50	5-10	20-30	5-10
Ustic Torrifluvents: 101----------	0-60	Variable--------	---	---	---	---	---	---	---	---	---
Valent: 102, 103----------	0-6	Sand----------	SP-SM, SM	A-2, A-3	0	100	100	70-90	5-20	---	NP
	6-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	95-100	75-90	5-20	---	NP
Vona: 104, 105----------	0-7	Sandy loam------	SM	A-2, A-4	0	90-100	80-100	70-90	30-45	---	NP
	7-40	Fine sandy loam, sandy loam.	SM	A-2, A-4	0	90-100	80-100	70-90	30-45	---	NP
	40-60	Fine sandy loam, loamy sand.	SM	A-2	0	90-100	80-100	60-85	15-30	---	NP
Wigton: 106----------	0-19	Loamy sand------	SM	A-1, A-2	0	95-100	75-100	20-65	15-30	---	NP
	19-60	Coarse sand, sand.	SM, SP-SM	A-1	0	95-100	75-100	30-50	5-25	---	NP
Wiley: 107, 108----------	0-5	Silt loam-------	CL-ML, CL	A-4, A-6	0	100	100	90-100	75-90	25-35	5-15
	5-23	Silty clay loam, silt loam.	CL	A-6	0	100	100	90-100	75-95	25-35	10-20
	23-60	Silt loam, silty clay loam, loam.	CL-ML, CL	A-4, A-6	0	100	100	90-100	75-90	25-35	5-15
Yoder: 109, 110----------	0-6	Gravelly sandy loam.	SM	A-1, A-2	0-5	60-100	50-100	30-50	15-35	---	NP
	6-12	Coarse sandy loam, gravelly sandy clay loam, sandy clay loam.	SM-SC	A-1, A-2, A-4	0-5	60-100	50-100	30-60	20-45	20-30	5-10
	12-60	Very gravelly loamy coarse sand.	GP-GM, SP-SM, SM, GM	A-1	0-5	35-75	20-50	10-25	5-15	---	NP

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS

[The symbol < means less than; > means greater than. Erosion factor T and wind group are for the entire profile. Absence of an entry means data were not available or amounts were insignificant]

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Alamosa:											
1	0-6	0.6-2.0	0.16-0.20	6.1-7.3	2-16	Low	High	Moderate	0.28	5	6
	6-33	0.2-0.6	0.18-0.20	6.6-8.4	2-16	Moderate	High	Moderate	0.28		
	33-60	0.6-2.0	0.08-0.16	7.4-8.4	<16	Low	High	Moderate	0.28		
Ascalon:											
2, 3	0-8	0.6-6.0	0.11-0.16	6.6-7.8	<2	Low	Low	Low	0.17	5	3
	8-21	0.6-2.0	0.13-0.15	6.6-7.8	<2	Moderate	Moderate	Low	0.24		
	21-30	0.6-2.0	0.11-0.15	6.6-7.8	<2	Low	Moderate	Low	0.24		
	30-60	2.0-6.0	0.06-0.13	7.4-8.4	<2	Low	Moderate	Low	0.17		
Badland:											
4.											
Bijou:											
5	0-8	6.0-20	0.06-0.08	6.1-7.8	---	Low	Low	Low	0.10	5	2
	8-28	6.0-20	0.10-0.12	6.1-7.8	<2	Low	Moderate	Low	0.10		
	28-60	6.0-20	0.05-0.07	6.6-7.8	<2	Low	Moderate	Low	0.10		
6, 7	0-8	6.0-20	0.08-0.12	6.6-7.3	---	Low	Low	Low	0.10	5	3
	8-28	6.0-20	0.10-0.12	6.6-7.8	<2	Low	Moderate	Low	0.10		
	28-60	6.0-20	0.05-0.07	6.6-7.8	<2	Low	Moderate	Low	0.10		
Blakeland:											
8	0-11	6.0-20	0.06-0.09	6.1-7.8	---	Low	Low	Low	0.10	5	2
	11-60	6.0-20	0.05-0.08	6.1-7.8	---	Low	Low	Low	0.10		
[1]9:											
Blakeland part	0-11	6.0-20	0.06-0.09	6.1-7.8	---	Low	Low	Low	0.10	5	2
	11-60	6.0-20	0.05-0.08	6.1-7.8	---	Low	Low	Low	0.10		
Fluvaquentic Haplaquolls part	0-60	---	---	---	---	---	---	---	---	---	---
Blendon:											
10	0-23	2.0-6.0	0.11-0.17	6.1-7.3	---	Low	Moderate	Low	0.20	5	3
	23-60	2.0-6.0	0.11-0.17	6.1-7.3	---	Low	Moderate	Low	0.20		
Bresser:											
11, 12, 13	0-8	0.6-6.0	0.11-0.13	6.1-7.3	---	Low	Moderate	Low	0.10	5	2
	8-27	0.6-2.0	0.15-0.18	6.1-7.3	---	Low	Moderate	Low	0.15		
	27-36	0.6-2.0	0.10-0.13	6.1-7.3	---	Low	Moderate	Low	0.10		
	36-60	2.0-20	0.05-0.08	6.1-7.3	---	Low	Moderate	Low	0.10		
Brussett:											
14, 15	0-12	0.6-2.0	0.17-0.20	6.1-7.3	---	Low	Moderate	Low	0.28	5	6
	12-34	0.6-2.0	0.16-0.18	6.1-7.8	<2	Moderate	High	Low	0.37		
	34-60	0.6-2.0	0.16-0.18	6.1-8.4	<2	Low	High	Low	0.43		
Chaseville:											
16, 17	0-19	6.0-20	0.06-0.09	6.1-7.3	---	Low	Moderate	Low	0.15	2	8
	19-60	6.0-20	0.04-0.06	6.1-7.3	---	Low	Moderate	Low	0.10		
[1]18:											
Chaseville part	0-19	6.0-20	0.06-0.09	6.1-7.3	---	Low	Moderate	Low	0.15	2	8
	19-60	6.0-20	0.04-0.06	6.1-7.3	---	Low	Moderate	Low	0.10		
Midway part	0-4	0.06-0.2	0.12-0.17	7.9-9.0	2-8	High	High	High	0.43	1	4
	4-13	0.06-0.2	0.14-0.17	7.9-9.0	2-8	High	High	High	0.37		
	13	---	---	---	---	---	---	---	---		
Columbine:											
19	0-6	6.0-20	0.07-0.09	6.1-7.8	---	Low	Moderate	Low	0.10	2	6
	6-60	>20	0.04-0.08	6.1-7.8	---	Low	Moderate	Low	0.10		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Connerton:											
[1]20:											
Connerton part--	0-13	0.6-2.0	0.16-0.18	7.4-8.4	<4	Moderate	High-----	High-----	0.43	5	4L
	13-60	0.6-2.0	0.16-0.18	7.4-8.4	<4	Moderate	High-----	High-----	0.49		
Rock outcrop part.											
Cruckton:											
21----------	0-11	2.0-6.0	0.07-0.13	6.1-7.3	---	Low--------	Moderate	Moderate	0.10	5	2
	11-28	2.0-6.0	0.10-0.13	6.1-7.3	---	Low--------	Moderate	Low-------	0.10		
	28-60	2.0-6.0	0.07-0.11	6.1-7.3	---	Low--------	Moderate	Low-------	0.10		
Cushman:											
22, 23----------	0-5	0.6-2.0	0.16-0.20	6.6-8.4	---	Low--------	High-----	Low-------	0.32	2	5
	5-23	0.6-2.0	0.14-0.18	6.6-8.4	---	Moderate	High-----	Low-------	0.32		
	23-30	0.6-2.0	0.14-0.18	6.6-8.4	---	Low--------	High-----	Low-------	0.32		
	30	---	---	---	---	----------	---------	---------	---		
[1]24:											
Cushman part----	0-5	0.6-2.0	0.16-0.20	6.6-8.4	---	Low--------	High-----	Low-------	0.32	2	5
	5-23	0.6-2.0	0.14-0.18	6.6-8.4	---	Moderate	High-----	Low-------	0.32		
	23-30	0.6-2.0	0.14-0.18	6.6-8.4	---	Low--------	High-----	Low-------	0.32		
	30	---	---	---	---	----------	---------	---------	---		
Kutch part------	0-10	0.2-0.6	0.15-0.20	6.6-7.8	<2	High-------	High-----	Moderate	0.20	2	6
	10-36	0.06-0.2	0.18-0.20	7.4-8.4	<4	High-------	High-----	Moderate	0.20		
	36	---	---	---	---	----------	---------	---------	---		
Elbeth:											
25, 26----------	0-23	0.6-2.0	0.11-0.15	5.1-7.3	---	Low--------	High-----	Moderate	0.15	5	3
	23-60	0.6-2.0	0.14-0.16	6.1-7.3	---	Moderate	High-----	Low-------	0.24		
[1]27:											
Elbeth part-----	0-23	0.6-2.0	0.11-0.15	5.1-7.3	---	Low--------	High-----	Moderate	0.15	5	3
	23-60	0.6-2.0	0.14-0.16	6.1-7.3	---	Moderate	High-----	Low-------	0.24		
Pring part------	0-14	2.0-6.0	0.09-0.13	6.1-7.3	---	Low--------	Moderate	Low-------	0.10	5	3
	14-60	6.0-20	0.08-0.12	6.6-7.3	---	Low--------	Moderate	Low-------	0.10		
Ellicott:											
28----------	0-4	6.0-20	0.05-0.08	6.1-7.8	---	Low--------	Moderate	Low-------	0.10	5	2
	4-60	6.0-20	0.05-0.08	6.1-7.8	---	Low--------	Moderate	Low-------	0.10		
Fluvaquentic Haplaquolls:											
29----------	0-60	---	---	---	---	----------	---------	---------	---	---	---
Fort Collins:											
30, 31----------	0-9	0.6-2.0	0.16-0.20	6.6-7.8	<2	Low--------	Moderate	Low-------	0.20	5	6
	9-21	0.6-2.0	0.16-0.18	6.6-7.8	<2	Moderate	Moderate	Low-------	0.20		
	21-60	0.6-2.0	0.16-0.18	7.4-8.4	<2	Moderate	High-----	Low-------	0.20		
Fortwingate:											
[1]32:											
Fortwingate part	0-6	0.6-2.0	0.13-0.18	6.1-7.3	---	Low--------	Moderate	Low-------	0.37	2	---
	6-23	0.06-0.2	0.14-0.16	6.1-7.3	---	High-------	High-----	Low-------	0.28		
	23	---	---	---	---	----------	---------	---------	---		
Rock outcrop part.											
Heldt:											
33----------	0-8	0.06-0.2	0.12-0.17	7.9-9.0	2-8	High-------	High-----	High-----	0.28	5	4
	8-60	0.06-0.2	0.14-0.16	7.9-9.0	2-8	High-------	High-----	High-----	0.28		
Holderness:											
34, 35, 36--------	0-9	0.6-2.0	0.17-0.21	6.6-7.8	---	Low--------	Moderate	Low-------	0.24	5	5
	9-43	0.06-0.2	0.15-0.19	6.6-7.8	---	High-------	Moderate	Low-------	0.28		
	43-60	0.2-0.6	0.15-0.19	6.6-7.8	<2	Moderate	High-----	Low-------	0.24		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Jarre:											
37	0-5	0.6-2.0	0.16-0.18	6.1-7.8	<2	Low	Moderate	Low	0.24	3	5
	5-22	0.6-2.0	0.15-0.17	6.1-7.8	<2	Moderate	Moderate	Low	0.20		
	22-60	2.0-6.0	0.05-0.08	6.1-7.8	<2	Low	Moderate	Low	0.10		
[1]38:											
Jarre part	0-5	0.6-2.0	0.16-0.18	6.1-7.8	<2	Low	Moderate	Low	0.24	3	5
	5-22	0.6-2.0	0.15-0.17	6.1-7.8	<2	Moderate	Moderate	Low	0.20		
	22-60	2.0-6.0	0.05-0.08	6.1-7.8	<2	Low	Moderate	Low	0.10		
Tecolote part	0-3	2.0-6.0	0.06-0.08	6.1-7.3	<2	Low	Moderate	Low	0.17	5	8
	3-29	2.0-6.0	0.06-0.08	6.1-7.3	<2	Low	Moderate	Low	0.17		
	29-45	0.6-2.0	0.06-0.08	6.1-7.3	<2	Low	Moderate	Low	0.17		
	45-60	0.6-2.0	0.04-0.06	6.1-7.3	<2	Low	Moderate	Low	0.17		
Keith:											
39	0-8	0.6-2.0	0.22-0.24	6.6-7.8	---	Low	Moderate	Low	0.32	5	6
	8-30	0.6-2.0	0.20-0.22	6.6-7.8	<2	Moderate	High	Low	0.43		
	30-60	0.6-2.0	0.19-0.21	7.4-8.4	<2	Low	High	Low	0.43		
Kettle:											
40, 41	0-3	6.0-20	0.09-0.16	5.1-6.5	---	Low	Moderate	Low	0.10	5	8
	3-40	6.0-20	0.12-0.15	5.1-6.5	---	Low	Moderate	Low	0.10		
	40-60	6.0-20	0.08-0.14	5.1-6.5	---	Low	Moderate	Low	0.10		
[1]42:											
Kettle part	0-3	6.0-20	0.09-0.16	5.1-6.5	---	Low	Moderate	Low	0.10	5	8
	3-40	6.0-20	0.12-0.15	5.6-6.5	---	Low	Moderate	Low	0.10		
	40-60	6.0-20	0.08-0.14	5.6-6.5	---	Low	Moderate	Low	0.10		
Rock outcrop part.											
Kim:											
43	0-4	0.6-2.0	0.16-0.18	7.4-8.4	<2	Low	Moderate	Low	0.32	5	4L
	4-60	0.6-2.0	0.15-0.17	7.9-8.4	<2	Moderate	Moderate	Low	0.32		
Kutch:											
44, 45	0-5	0.2-0.6	0.15-0.20	6.6-7.8	<2	High	High	Moderate	0.20	2	6
	5-28	0.06-0.2	0.18-0.20	7.4-8.4	<4	High	High	Moderate	0.20		
	28-36	0.06-0.2	0.06-0.08	7.4-8.4	<4	Moderate	High	Moderate	0.15		
	36	---	---	---	---	---	---	---	---		
Kutler:											
[1]46:											
Kutler part	0-6	2.0-6.0	0.07-0.09	6.1-7.3	---	Low	Moderate	Low	0.10	2	8
	6-23	6.0-20	0.05-0.08	6.1-7.3	---	Low	Moderate	Low	0.10		
	23	---	---	---	---	---	---	---	---		
Broadmoor part	0-15	6.0-20	0.06-0.08	5.6-6.5	---	Low	High	Moderate	0.10	2	8
	15-28	6.0-20	0.06-0.08	5.6-6.5	---	Low	High	Moderate	0.10		
	28	---	---	---	---	---	---	---	---		
Rock outcrop part.											
Limon:											
47	0-4	0.2-0.6	0.14-0.17	7.4-8.4	2-8	High	High	Moderate	0.24	5	4
	4-60	0.06-0.2	0.12-0.16	7.9-9.0	2-8	High	High	Moderate	0.32		
Louviers:											
48	0-5	0.2-2.0	0.14-0.21	6.6-7.8	<2	High	Moderate	Low	0.32	1	4
	5-14	0.06-0.2	0.13-0.18	6.6-7.8	<2	High	Moderate	Low	0.37		
	14	---	---	---	---	---	---	---	---		
49	0-5	0.2-2.0	0.14-0.17	6.6-7.8	<2	High	Moderate	Low	0.32	1	8
	5-14	0.06-0.2	0.14-0.17	6.6-7.8	<2	High	Moderate	Low	0.37		
	14	---	---	---	---	---	---	---	---		
Manvel:											
50	0-3	0.6-2.0	0.18-0.20	7.9-9.0	<2	Moderate	High	Moderate	0.37	5	4L
	3-60	0.6-2.0	0.16-0.18	7.9-9.0	2-4	Moderate	High	Moderate	0.43		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Manzanola:											
51, 52, 53	0-6	0.2-0.6	0.15-0.20	7.4-8.4	<2	Moderate	High	Low	0.24	5	6
	6-32	0.06-0.2	0.15-0.18	7.4-8.4	<2	High	High	Low	0.28		
	32-60	0.2-0.6	0.16-0.20	7.4-8.4	<2	Moderate	High	Low	0.24		
Midway:											
54	0-4	0.06-0.2	0.12-0.17	7.9-9.0	2-8	High	High	High	0.43	1	4
	4-13	0.06-0.2	0.14-0.17	7.9-9.0	2-8	High	High	High	0.37		
	13	---	---	---	---	---	---	---	---		
Nederland:											
55	0-5	2.0-6.0	0.07-0.10	6.1-7.8	---	Low	Moderate	Low	0.10	5	8
	5-28	0.6-2.0	0.08-0.12	6.1-7.8	---	Low	Moderate	Low	0.15		
	28-60	2.0-6.0	0.06-0.09	6.1-7.8	<2	Low	Moderate	Low	0.10		
Nelson:											
[1]56:											
Nelson part	0-7	2.0-6.0	0.13-0.15	7.4-8.4	<2	Low	High	Low	0.20	2	3
	7-26	2.0-6.0	0.11-0.13	7.9-8.4	<2	Low	High	Low	0.20		
	26	---	---	---	---	---	---	---	---		
Tassel part	0-10	2.0-6.0	0.16-0.18	7.4-8.4	<2	Low	High	Low	0.24	1	3
	10	---	---	---	---	---	---	---	---		
Neville:											
57	0-10	2.0-6.0	0.13-0.18	7.9-9.0	2-4	Low	High	Low	0.28	5	3
	10-60	0.6-2.0	0.15-0.18	7.9-9.0	2-4	Moderate	High	Low	0.37		
[1]58:											
Neville part	0-10	0.6-6.0	0.13-0.18	7.4-8.4	<2	Low	High	Low	0.28	5	3
	10-60	0.6-2.0	0.15-0.18	7.9-8.4	<2	Moderate	High	Low	0.37		
Rednun part	0-6	0.6-2.0	0.16-0.19	6.6-7.3	---	Low	Moderate	Low	0.28	5	4
	6-29	0.06-0.2	0.15-0.20	7.4-8.4	<2	High	High	Low	0.32		
	29-60	0.2-0.6	0.18-0.21	7.9-8.4	<2	Moderate	High	Low	0.28		
Nunn:											
59	0-12	0.2-0.6	0.15-0.20	6.6-7.8	<2	Moderate	Moderate	Low	0.24	5	6
	12-30	0.06-0.2	0.15-0.18	7.4-8.4	<2	High	High	Low	0.28		
	30-60	0.2-0.6	0.10-0.18	7.4-9.0	<2	Moderate	High	Low	0.24		
Olney:											
60, 61	0-6	2.0-6.0	0.11-0.15	6.6-7.8	<2	Low	Moderate	Low	0.20	5	3
	6-21	0.6-2.0	0.13-0.15	6.6-7.8	<2	Moderate	High	Low	0.24		
	21-60	0.6-2.0	0.11-0.15	7.4-8.4	<2	Low	High	Low	0.24		
[1]62:											
Olney part	0-6	2.0-6.0	0.11-0.15	6.6-7.8	<2	Low	Moderate	Low	0.20	5	3
	6-21	0.6-2.0	0.13-0.15	6.6-7.8	<2	Moderate	High	Low	0.24		
	21-60	0.6-2.0	0.11-0.15	7.4-8.4	<2	Low	High	Low	0.24		
Vona part	0-8	2.0-6.0	0.11-0.13	6.6-7.3	---	Low	Low	Low	0.10	5	3
	8-30	2.0-6.0	0.12-0.14	6.6-8.4	<4	Low	High	Low	0.10		
	30-60	6.0-20	0.08-0.11	7.4-8.4	<4	Low	High	Low	0.10		
Paunsaugunt:											
[1]63:											
Paunsaugunt part	0-6	0.6-2.0	0.12-0.14	7.4-8.4	<2	Low	High	Moderate	0.20	1	8
	6-17	0.6-2.0	0.06-0.08	7.4-8.4	<2	Low	High	Moderate	0.17		
	17	---	---	---	---	---	---	---	---		
Rock outcrop part.											
Penrose:											
[1]64:											
Penrose part	0-11	0.6-2.0	0.14-0.16	7.4-8.4	<2	Low	High	Low	0.10	1	8
	11	---	---	---	---	---	---	---	---		
Manvel part	0-3	0.6-2.0	0.18-0.20	7.9-9.0	<2	Moderate	High	Moderate	0.37	5	4L
	3-60	0.6-2.0	0.16-0.18	7.9-9.0	2-4	Moderate	High	Moderate	0.43		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Perrypark:											
65	0-4	2.0-6.0	0.12-0.15	6.1-7.8	---	Low	High	Low	0.10	5	3
	4-48	0.6-2.0	0.14-0.16	6.1-7.8	---	Moderate	High	Low	0.17		
	48-60	2.0-6.0	0.09-0.13	6.1-7.8	---	Low	High	Low	0.10		
Peyton:											
66, 67	0-12	2.0-6.0	0.11-0.13	6.1-7.8	---	Low	Moderate	Low	0.10	5	3
	12-25	0.6-2.0	0.15-0.18	6.1-7.8	---	Moderate	Moderate	Low	0.15		
	25-60	0.6-2.0	0.10-0.13	6.1-7.8	---	Low	Moderate	Low	0.10		
[1]68, [1]69:											
Peyton part	0-12	2.0-6.0	0.11-0.13	6.1-7.8	---	Low	Moderate	Low	0.10	5	3
	12-25	0.6-2.0	0.15-0.18	6.1-7.8	---	Moderate	Moderate	Low	0.15		
	25-60	0.6-2.0	0.10-0.13	6.1-7.8	---	Low	Moderate	Low	0.10		
Pring part	0-14	2.0-6.0	0.09-0.13	6.1-7.3	---	Low	Moderate	Low	0.10	5	3
	14-60	6.0-20	0.08-0.12	6.6-7.3	---	Low	Moderate	Low	0.10		
Pits, gravel:											
70.											
Pring:											
71, 72	0-14	2.0-6.0	0.09-0.13	6.1-7.3	---	Low	Moderate	Low	0.10	5	3
	14-60	6.0-20	0.08-0.12	6.6-7.3	---	Low	Moderate	Low	0.10		
Razor:											
73	0-3	0.06-0.2	0.12-0.18	7.4-8.4	<2	Moderate	High	Moderate	0.37	1	6
	3-31	0.06-0.2	0.14-0.17	7.4-8.4	<2	High	High	High	0.37		
	31	---	---	---	---	---	---	---	---		
74	0-4	0.06-0.2	0.12-0.15	7.4-8.4	<4	High	High	Moderate	0.37	3	6
	4-29	0.06-0.2	0.12-0.15	7.4-8.4	<4	High	High	High	0.37		
	29	---	---	---	---	---	---	---	---		
[1]75:											
Razor part	0-3	0.06-0.2	0.12-0.18	7.4-8.4	<2	Moderate	High	Moderate	0.37	1	6
	3-31	0.06-0.2	0.14-0.17	7.4-8.4	<2	High	High	High	0.37		
	31	---	---	---	---	---	---	---	---		
Midway part	0-4	0.06-0.2	0.12-0.17	7.9-9.0	2-8	High	High	High	0.43	1	4
	4-13	0.06-0.2	0.14-0.17	7.9-9.0	2-8	High	High	High	0.37		
	13	---	---	---	---	---	---	---	---		
Rizozo:											
[1]76:											
Rizozo part	0-10	2.0-6.0	0.11-0.16	7.4-8.4	<2	Moderate	Moderate	Moderate	0.32	1	7
	10	---	---	---	---	---	---	---	---		
Neville part	0-10	0.6-6.0	0.13-0.18	7.4-8.4	<2	Low	High	Moderate	0.28	5	3
	10-60	0.6-2.0	0.15-0.18	7.9-8.4	<2	Moderate	High	Moderate	0.37		
Rock outcrop:											
[1]77:											
Rock outcrop part.											
Coldcreek part	0-6	0.6-2.0	0.10-0.16	5.6-7.3	---	Low	High	Low	0.32	3	6
	6-31	0.6-2.0	0.07-0.13	5.6-7.3	---	Low	High	Low	0.28		
	31-43	0.6-2.0	0.07-0.13	5.6-7.3	---	Low	High	Low	0.32		
	43	---	---	---	---	---	---	---	---		
Tolman part	0-4	0.6-2.0	0.14-0.18	6.1-7.8	<2	Low	High	Low	0.32	1	6
	4-13	0.6-2.0	0.12-0.14	6.1-7.8	<2	Low	High	Low	0.28		
	13	---	---	---	---	---	---	---	---		
Sampson:											
78	0-15	0.6-2.0	0.18-0.21	6.6-8.4	---	Moderate	Moderate	Low	0.24	5	5
	15-34	0.6-2.0	0.18-0.21	6.6-8.4	<2	Moderate	Moderate	Low	0.28		
	34-60	0.6-2.0	0.13-0.17	7.4-8.4	<2	Low	Moderate	Low	0.20		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Satanta:											
79, 80	0-9	0.6-2.0	0.20-0.22	6.6-7.8	<2	Low	Moderate	Low	0.28	5-4	5
	9-30	0.6-2.0	0.15-0.19	7.4-8.4	<2	Moderate	High	Low	0.28		
	30-60	0.6-2.0	0.16-0.19	7.4-8.4	<2	Low	High	Low	0.28		
[1]81:											
Satanta part	0-9	0.6-2.0	0.20-0.22	6.6-7.8	<2	Low	Moderate	Low	0.28	5-4	5
	9-30	0.6-2.0	0.15-0.19	7.4-8.4	<2	Moderate	High	Low	0.28		
	30-60	0.6-2.0	0.16-0.19	7.4-8.4	<2	Low	High	Low	0.28		
Neville part	0-10	2.0-6.0	0.13-0.18	7.9-9.0	2-4	Low	High	Low	0.28	5	3
	10-60	0.6-2.0	0.15-0.18	7.9-9.0	2-4	Moderate	High	Low	0.37		
Schamber:											
[1]82:											
Schamber part	0-14	6.0-20	0.03-0.18	6.6-8.4	<2	Low	Moderate	Low	0.17	2	8
	14-60	6.0-20	0.03-0.06	7.9-8.4	<2	Low	Moderate	Low	0.10		
Razor part	0-3	0.06-0.2	0.12-0.18	7.4-8.4	<2	Moderate	High	Moderate	0.37	1	6
	3-31	0.06-0.2	0.14-0.17	7.4-8.4	<2	High	High	High	0.37		
	31	---	---	---	---	---	---	---	---		
Stapleton:											
83, 84	0-26	6.0-20	0.07-0.09	6.1-7.3	---	Low	Moderate	Low	0.10	5	3
	26-60	6.0-20	0.05-0.09	6.1-7.3	---	Low	Moderate	Low	0.10		
[1]85:											
Stapleton part	0-26	6.0-20	0.07-0.09	6.1-7.3	---	Low	Moderate	Low	0.10	5	3
	26-60	6.0-20	0.05-0.09	6.1-7.3	---	Low	Moderate	Low	0.10		
Bernal part	0-4	0.6-2.0	0.13-0.16	6.6-7.8	<2	Moderate	Moderate	Low	0.28	1	5
	4-13	0.6-2.0	0.13-0.16	6.6-7.8	<2	Moderate	Moderate	Low	0.24		
	13	---	---	---	---	---	---	---	---		
Stoneham:											
86, 87	0-4	2.0-6.0	0.11-0.15	6.6-7.8	<2	Low	Moderate	Low	0.17	5	3
	4-16	0.6-2.0	0.14-0.18	7.4-8.4	<2	Moderate	Moderate	Low	0.20		
	16-60	0.6-2.0	0.11-0.18	7.9-9.0	<2	Low	High	Low	0.20		
Stroupe:											
[1]88:											
Stroupe part	0-8	0.6-2.0	0.05-0.07	6.6-7.8	<2	Low	Moderate	Low	0.24	2	---
	8-35	0.06-0.2	0.07-0.09	7.4-8.4	<2	Moderate	High	Low	0.24		
	35	---	---	---	---	---	---	---	---		
Travessilla part	0-11	2.0-6.0	0.06-0.12	7.4-8.4	<2	Low	High	Low	0.37	1	---
	11	---	---	---	---	---	---	---	---		
Rock outcrop part.											
Tassel:											
89	0-10	2.0-6.0	0.16-0.18	7.4-8.4	<2	Low	High	Low	0.24	1	3
	10	---	---	---	---	---	---	---	---		
Terry:											
90	0-5	2.0-6.0	0.13-0.15	6.6-8.4	<2	Low	Moderate	Low	0.20	2	3
	5-23	2.0-6.0	0.13-0.15	6.6-8.4	<2	Low	Moderate	Low	0.20		
	23	---	---	---	---	---	---	---	---		
[1]91:											
Terry part	0-5	2.0-6.0	0.13-0.15	6.6-8.4	<2	Low	Moderate	Low	0.20	2	3
	5-23	2.0-6.0	0.13-0.15	6.6-8.4	<2	Low	Moderate	Low	0.20		
	23	---	---	---	---	---	---	---	---		
Razor part	0-3	0.06-0.2	0.12-0.18	7.4-8.4	<2	Moderate	High	Moderate	0.37	1	6
	3-31	0.06-0.2	0.14-0.17	7.4-8.4	<2	High	High	High	0.37		
	31	---	---	---	---	---	---	---	---		

See footnote at end of table.

TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion: Uncoated steel	Risk of corrosion: Concrete	Erosion factors: K	Erosion factors: T	Wind erodibility group
	In	In/hr	In/in	pH	Mmhos/cm						
Tomah:											
[1]92, [1]93:											
Tomah part	0-10	2.0-6.0	0.13-0.15	5.6-7.3	---	Low	Moderate	Low	0.17	5	3
	10-22	6.0-20	0.06-0.08	5.6-7.3	---	Low	Moderate	Low	0.15		
	22-48	2.0-6.0	0.11-0.16	5.6-7.3	---	Low	Moderate	Low	0.17		
	48-60	6.0-20	0.06-0.08	5.6-7.3	---	Low	Moderate	Low	0.10		
Crowfoot part	0-12	2.0-6.0	0.11-0.13	6.1-7.3	---	Low	Moderate	Low	0.17	5	3
	12-23	6.0-20	0.06-0.08	6.1-7.3	---	Low	Moderate	Low	0.17		
	23-36	0.6-2.0	0.17-0.19	6.1-7.3	---	Moderate	Moderate	Low	0.32		
	36-60	2.0-6.0	0.11-0.13	6.1-7.3	---	Low	Moderate	Low	0.10		
Travessilla:											
[1]94:											
Travessilla part	0-11	2.0-6.0	0.06-0.12	6.6-8.4	<2	Low	Moderate	Low	0.37	1	---
	11	---	---	---	---	---	---	---	---		
Rock outcrop part.											
Truckton:											
95, 96, 97	0-8	2.0-6.0	0.07-0.13	6.6-7.8	---	Low	Moderate	Moderate	0.10	5	2
	8-24	2.0-6.0	0.10-0.13	6.6-7.8	---	Low	Moderate	Low	0.10		
	24-60	2.0-6.0	0.07-0.11	6.6-7.8	---	Low	Moderate	Low	0.10		
[1]98:											
Truckton part	0-8	2.0-6.0	0.07-0.13	6.6-7.8	---	Low	Moderate	Moderate	0.10	5	2
	8-24	2.0-6.0	0.10-0.13	6.6-7.8	---	Low	Moderate	Low	0.10		
	24-60	2.0-6.0	0.07-0.11	6.6-7.8	---	Low	Moderate	Low	0.10		
Blakeland part	0-11	6.0-20	0.06-0.09	6.1-7.3	---	Low	Moderate	Low	0.10	5	2
	11-60	6.0-20	0.05-0.08	6.6-7.3	---	Low	Moderate	Low	0.10		
[1]99, [1]100:											
Truckton part	0-8	2.0-6.0	0.07-0.13	6.6-7.8	---	Low	Moderate	Moderate	0.10	5	2
	8-24	2.0-6.0	0.10-0.13	6.6-7.8	---	Low	Moderate	Low	0.10		
	24-60	2.0-6.0	0.07-0.11	6.6-7.8	---	Low	Moderate	Low	0.10		
Bresser part	0-8	0.6-6.0	0.11-0.13	6.1-7.3	---	Low	Moderate	Low	0.10	5	2
	8-27	0.6-2.0	0.15-0.18	6.6-7.3	---	Moderate	Moderate	Low	0.15		
	27-36	0.6-6.0	0.10-0.13	6.6-7.3	---	Low	Moderate	Low	0.10		
	36-60	2.0-20	0.05-0.08	6.6-7.3	---	Low	Moderate	Low	0.10		
Ustic Torrifluvents:											
101	0-60	---	---	---	---	---	---	---	---	---	---
Valent:											
102, 103	0-6	6.0-20	0.05-0.10	6.6-7.3	---	Low	Moderate	Low	0.10	5	1
	6-60	6.0-20	0.05-0.10	6.6-7.8	<2	Low	Moderate	Low	0.10		
Vona:											
104, 105	0-7	2.0-6.0	0.11-0.13	6.6-7.3	---	Low	Moderate	Low	0.10	5	3
	7-40	2.0-6.0	0.12-0.14	6.6-8.4	<4	Low	High	Low	0.10		
	40-60	6.0-20	0.08-0.11	7.4-8.4	<4	Low	High	Low	0.10		
Wigton:											
106	0-19	6.0-20	0.06-0.10	6.6-7.8	<2	Low	Moderate	Low	0.10	5	2
	19-60	6.0-20	0.04-0.08	6.6-7.8	<2	Low	Moderate	Low	0.10		
Wiley:											
107, 108	0-5	0.6-2.0	0.19-0.21	7.4-8.4	<2	Low	High	Low	0.37	5	4L
	5-23	0.6-2.0	0.19-0.21	7.4-8.4	<2	Moderate	High	Low	0.37		
	23-60	0.6-2.0	0.16-0.21	7.9-9.0	<2	Moderate	High	Low	0.49		
Yoder:											
109, 110	0-6	2.0-20	0.07-0.12	6.1-7.3	---	Low	Moderate	Low	0.10	2	5
	6-12	2.0-6.0	0.10-0.16	6.1-7.3	---	Low	Moderate	Low	0.15		
	12-60	6.0-20	0.04-0.08	6.1-7.3	---	Low	Moderate	Low	0.10		

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 16.--SOIL AND WATER FEATURES

[Absence of an entry indicates the feature is not a concern. See "flooding" in Glossary for definition of terms as "rare," "brief," and "very brief." The symbol > means greater than]

Soil name and map symbol	Hydrologic group	Flooding			Bedrock		Potential frost action
		Frequency	Duration	Months	Depth	Hardness	
					In		
Alamosa:							
1	C	Frequent	Brief	May-Jun	>60	---	High.
Ascalon:							
2, 3	B	None	---	---	>60	---	Moderate.
Badland:							
4	D	---	---	---	---	---	---
Bijou:							
5, 6, 7	B	None	---	---	>60	---	Low.
Blakeland:							
8	A	None	---	---	>60	---	Low.
[1]9:							
Blakeland part	A	None	---	---	>60	---	Low.
Fluvaquentic Haplaquolls part	D	Common	Very brief	Mar-Aug	>60	---	High.
Blendon:							
10	B	None	---	---	>60	---	Moderate.
Bresser:							
11, 12, 13	B	None	---	---	>60	---	Low.
Brussett:							
14, 15	B	None	---	---	>60	---	Moderate.
Chaseville:							
16, 17	A	None	---	---	>60	---	Low.
[1]18:							
Chaseville part	A	None	---	---	>60	---	Low.
Midway part	D	None	---	---	10-20	Rippable	Moderate.
Columbine:							
19	A	None to rare	---	---	>60	---	Low.
Connerton:							
[1]20:							
Connerton part	B	None	---	---	>60	---	High.
Rock outcrop part	D	---	---	---	---	---	---
Cruckton:							
21	B	None	---	---	>60	---	Moderate.
Cushman:							
22, 23	C	None	---	---	20-40	Rippable	Moderate.
[1]24:							
Cushman part	C	None	---	---	20-40	Rippable	Moderate.
Kutch part	C	None	---	---	20-40	Rippable	Moderate.
Elbeth:							
25, 26	B	None	---	---	>60	---	Moderate.
[1]27:							
Elbeth part	B	None	---	---	>60	---	Moderate.

See footnote at end of table.

TABLE 16.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			Bedrock		Potential frost action
		Frequency	Duration	Months	Depth	Hardness	
					In		
Elbeth:							
Pring part	B	None	---	---	>60	---	Moderate.
Ellicott:							
28	A	Frequent	Brief	Mar-Jun	>60	---	Low.
Fluvaquentic Haplaquolls:							
29	B/D	Frequent	Brief	Mar-Jul	>60	---	High.
Fort Collins:							
30, 31	B	None to rare	---	---	>60	---	Moderate.
Fortwingate:							
[1]32:							
Fortwingate part	C	None	---	---	20-40	Hard	Low.
Rock outcrop part	D	---	---	---	---	---	---
Heldt:							
33	C	None	---	---	>60	---	Moderate.
Holderness:							
34, 35, 36	C	None	---	---	>60	---	Moderate.
Jarre:							
37	B	None	---	---	>60	---	Moderate.
[1]38:							
Jarre part	B	None	---	---	>60	---	Moderate.
Tecolote part	B	None	---	---	>60	---	Moderate.
Keith:							
39	B	None	---	---	>60	---	High.
Kettle:							
40, 41	B	None	---	---	>60	---	Moderate.
[1]42:							
Kettle part	B	None	---	---	>60	---	Moderate.
Rock outcrop part	D	---	---	---	---	---	---
Kim:							
43	B	None	---	---	>60	---	Moderate.
Kutch:							
44, 45	C	None	---	---	20-40	Rippable	Moderate.
Kutler:							
[1]46:							
Kutler part	C	None	---	---	20-40	Rippable	Low.
Broadmoor part	C	None	---	---	20-40	Rippable	Low.
Rock outcrop part	D	---	---	---	---	---	---
Limon:							
47	C	Occasional	Brief	May-Sep	>60	---	Moderate.
Louviers:							
48	D	None	---	---	10-20	Rippable	Moderate.
49	D	None	---	---	10-20	Rippable	Low.

See footnote at end of table.

TABLE 16.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			Bedrock		Potential frost action
		Frequency	Duration	Months	Depth	Hardness	
					In		
Manvel:							
50	C	None	---	---	>60	---	High.
Manzanola:							
51, 52, 53	C	None to rare	---	---	>60	---	Moderate.
Midway:							
54	D	None	---	---	10-20	Rippable	Moderate.
Nederland:							
55	B	None	---	---	>60	---	Moderate.
Nelson:							
[1]56:							
Nelson part	B	None	---	---	20-40	Rippable	Low.
Tassel part	D	None	---	---	10-20	Rippable	Low.
Neville:							
57	B	None	---	---	>60	---	High.
[1]58:							
Neville part	B	None	---	---	>60	---	High.
Rednun part	C	None	---	---	>60	---	Moderate.
Nunn:							
59	C	None	---	---	>60	---	Moderate.
Olney:							
60, 61	B	None	---	---	>60	---	Moderate.
[1]62:							
Olney part	B	None	---	---	>60	---	Moderate.
Vona part	B	None	---	---	>60	---	Moderate.
Paunsaugunt:							
[1]63:							
Paunsaugunt part	D	None	---	---	10-20	Hard	Moderate.
Rock outcrop part	D	---	---	---	---	---	---
Penrose:							
[1]64:							
Penrose part	D	None	---	---	10-20	Rippable	Low.
Manvel part	C	None	---	---	>60	---	High.
Perrypark:							
65	B	None	---	---	>60	---	Moderate.
Peyton:							
66, 67	B	None	---	---	>60	---	Moderate.
[1]68, [1]69:							
Peyton part	B	None	---	---	>60	---	Moderate.
Pring part	B	None	---	---	>60	---	Moderate.
Pits, gravel:							
70	A	---	---	---	---	---	---
Pring:							
71, 72	B	None	---	---	>60	---	Moderate.
Razor:							
73, 74	C	None	---	---	20-40	Rippable	Moderate.

See footnote at end of table.

TABLE 16.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			Bedrock		Potential frost action
		Frequency	Duration	Months	Depth	Hardness	
					In		
Razor:							
[1]75:							
Razor part	C	None	---	---	20-40	Rippable	Moderate.
Midway part	D	None	---	---	10-20	Rippable	Moderate.
Rizozo:							
[1]76:							
Rizozo part	D	None	---	---	4-20	Hard	Low.
Neville part	B	None	---	---	>60	---	High.
Rock outcrop:							
[1]77:							
Rock outcrop part	D	---	---	---	---	---	---
Coldcreek part	B	None	---	---	40-60	Rippable	Moderate.
Tolman part	D	None	---	---	10-20	Hard	Moderate.
Sampson:							
78	B	None	---	---	>60	---	Moderate.
Satanta:							
79, 80	B	None	---	---	>60	---	Moderate.
[1]81:							
Satanta part	B	None	---	---	>60	---	Moderate.
Neville part	B	None	---	---	>60	---	High.
Schamber:							
[1]82:							
Schamber part	A	None	---	---	>60	---	Moderate.
Razor part	C	None	---	---	20-40	Rippable	Moderate.
Stapleton:							
83, 84	B	None	---	---	>60	---	Moderate.
[1]85:							
Stapleton part	B	None	---	---	>60	---	Moderate.
Bernal part	D	None	---	---	8-20	Hard	Moderate.
Stoneham:							
86, 87	B	None	---	---	>60	---	Moderate.
Stroupe:							
[1]88:							
Stroupe part	C	None	---	---	20-40	Hard	Moderate.
Travessilla part	D	None	---	---	6-20	Hard	Low.
Rock outcrop part	D	---	---	---	---	---	---
Tassel:							
89	D	None	---	---	10-20	Rippable	Low.
Terry:							
90	B	None	---	---	20-40	Rippable	Moderate.
[1]91:							
Terry part	B	None	---	---	20-40	Rippable	Moderate.
Razor part	C	None	---	---	20-40	Rippable	Moderate.

See footnote at end of table.

TABLE 16.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			Bedrock		Potential frost action
		Frequency	Duration	Months	Depth	Hardness	
					In		
Tomah:							
[1]92, [1]93:							
Tomah part	B	None	---	---	>60	---	Moderate.
Crowfoot part	B	None	---	---	>60	---	Moderate.
Travessilla:							
[1]94:							
Travessilla part	D	None	---	---	6-20	Hard	Low.
Rock outcrop part	D	---	---	---	---	---	---
Truckton:							
95, 96, 97	B	None	---	---	>60	---	Moderate.
[1]98:							
Truckton part	B	None	---	---	>60	---	Moderate.
Blakeland part	A	None	---	---	>60	---	Low.
[1]99, [1]100:							
Truckton part	B	None	---	---	>60	---	Moderate.
Bresser part	B	None	---	---	>60	---	Low.
Ustic Torrifluvents:							
101	B	Occasional	Very brief	Mar-Aug	>60	---	Moderate.
Valent:							
102, 103	A	None	---	---	>60	---	Low.
Vona:							
104, 105	B	None	---	---	>60	---	Moderate.
Wigton:							
106	A	None	---	---	>60	---	Low.
Wiley:							
107, 108	B	None	---	---	>60	---	Low.
Yoder:							
109, 110	B	None	---	---	>60	---	Low.

[1]This map unit is made up of two or more dominant kinds of soil. See map unit description for the composition and behavior characteristics of the map unit.

TABLE 17.--CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Alamosa	Fine-loamy, mixed, frigid Typic Argiaquolls
Ascalon	Fine-loamy, mixed, mesic Aridic Argiustolls
Bernal	Loamy, mixed, mesic Lithic Argiustolls
Bijou	Coarse-loamy, mixed, mesic Ustollic Haplargids
Blakeland	Sandy, mixed, mesic Torriorthentic Haplustolls
Blendon	Coarse-loamy, mixed, mesic Pachic Haplustolls
Bresser	Fine-loamy, mixed, mesic Aridic Argiustolls
Broadmoor	Loamy-skeletal, mixed, frigid Udic Ustochrepts
Brussett	Fine-silty, mixed Aridic Argiborolls
Chaseville	Sandy-skeletal, mixed, mesic Torriorthentic Haplustolls
Coldcreek	Loamy-skeletal, mixed Typic Paleboralfs
Columbine	Sandy-skeletal, mixed, mesic Torriorthentic Haplustolls
Connerton	Fine-loamy, mixed, mesic Torriorthentic Haplustolls
Crowfoot	Fine-loamy, mixed Boralfic Argiborolls
Cruckton	Coarse-loamy, mixed Aridic Argiborolls
Cushman	Fine-loamy, mixed, mesic Ustollic Haplargids
Elbeth	Fine-loamy, mixed Typic Eutroboralfs
Ellicott	Sandy, mixed, mesic Ustic Torrifluvents
Fluvaquentic Haplaquolls	Fluvaquentic Haplaquolls
Fort Collins	Fine-loamy, mixed, mesic Ustollic Haplargids
Fortwingate	Fine, montmorillonitic Typic Eutroboralfs
Heldt	Fine, montmorillonitic, mesic Ustertic Camborthids
Holderness	Fine, montmorillonitic Aridic Argiborolls
Jarre	Fine-loamy, mixed Aridic Argiborolls
Keith	Fine-silty, mixed, mesic Aridic Argiustolls
Kettle	Coarse-loamy, mixed Psammentic Eutroboralfs
Kim	Fine-loamy, mixed (calcareous), mesic Ustic Torriorthents
Kutch	Fine, montmorillonitic, mesic Torrertic Argiustolls
Kutler	Loamy-skeletal, mixed Entic Haploborolls
Limon	Fine, montmorillonitic (calcareous), mesic Ustertic Torriorthents
Louviers	Clayey, montmorillonitic, nonacid, mesic, shallow Ustic Torriorthents
Manvel	Fine-silty, mixed (calcareous), mesic Ustic Torriorthents
Manzanola	Fine, montmorillonitic, mesic Ustollic Haplargids
Midway	Clayey, montmorillonitic (calcareous), mesic, shallow Ustic Torriorthents
Nederland	Loamy-skeletal, mixed, mesic Aridic Argiustolls
Nelson	Coarse-loamy, mixed (calcareous), mesic Ustic Torriorthents
Neville	Fine-loamy, mixed (calcareous), mesic Ustic Torriorthents
Nunn	Fine, montmorillonitic, mesic Aridic Argiustolls
Olney	Fine-loamy, mixed, mesic Ustollic Haplargids
Paunsaugunt	Loamy-skeletal, mixed Lithic Haploborolls
Penrose	Loamy, mixed (calcareous), mesic Lithic Ustic Torriorthents
Perrypark	Fine-loamy, mixed Aridic Argiborolls
Peyton	Fine-loamy, mixed Aridic Argiborolls
Pring	Coarse-loamy, mixed Aridic Haploborolls
Razor	Fine, montmorillonitic, mesic Ustollic Camborthids
Rednun	Fine, montmorillonitic, mesic Aridic Argiustolls
Rizozo	Loamy, mixed (calcareous), mesic Lithic Ustic Torriorthents
Sampson	Fine-loamy, mixed, mesic Pachic Argiustolls
Satanta	Fine-loamy, mixed, mesic Aridic Argiustolls
Schamber	Sandy-skeletal, mixed, mesic Ustic Torriorthents
Stapleton	Coarse-loamy, mixed, mesic Aridic Haplustolls
Stoneham	Fine-loamy, mixed, mesic Ustollic Haplargids
Stroupe	Clayey-skeletal, mixed, mesic Aridic Argiustolls
Tassel	Loamy, mixed (calcareous), mesic, shallow Ustic Torriorthents
Tecolote	Loamy-skeletal, mixed Typic Eutroboralfs
Terry	Coarse-loamy, mixed, mesic Ustollic Haplargids
Tolman	Loamy-skeletal, mixed Lithic Argiborolls
Tomah	Coarse-loamy, mixed Boralfic Argiborolls
Travessilla	Loamy, mixed (calcareous), mesic Lithic Ustic Torriorthents
Truckton	Coarse-loamy, mixed, mesic Aridic Argiustolls
Ustic Torrifluvents	Ustic Torrifluvents
Valent	Mixed, mesic Ustic Torripsamments
Vona	Coarse-loamy, mixed, mesic Ustollic Haplargids
Wigton	Mixed, mesic Ustic Torripsamments
Wiley	Fine-silty, mixed, mesic Ustollic Haplargids
Yoder	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Ustollic Haplargids

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