

USDA United States
Department of
Agriculture

Natural
Resources
Conservation
Service

In cooperation with
United States Department
of the Interior, Bureau of
Land Management and
Bureau of Indian Affairs,
and University of Nevada,
Agricultural Experiment
Station

Soil Survey of Washoe County, Nevada, Central Part Volume 2

Appendix

**Criteria Used in Rating Soils for Selected Uses
Roadfill**

Property	Limits			Restrictive feature
	Good	Fair	Poor	
1. USDA texture.....	---	---	Ice	Permafrost.
2. Depth to bedrock (inches)	>60	40-60	<40	Depth to rock.
3. Depth to cemented pan (inches)....	>60	40-60	<40	Cemented pan.
4. Shrink-swell potential ¹	Low	Moderate	High, very high	Shrink-swell.
5. AASHTO group index number ^{1 2 3}	<5	5-8	>8	Low strength.
6. Layer thickness (inches).....	>60	30-60	<30	Thin layer.
7. Fraction greater than 3 inches (percent by weight) ⁴	<25	25-50	>50	Large stones.
8. Depth to high water table (feet)	>3	1-3	<1	Wetness.
9. Slope (percent)	<15	15-25	>25	Slope.

¹ Evaluate the thickest layer between 10 and 60 inches and also the bottom layer. Choose the best rating. When rating is based on bottom layer, verify thickness.

² If in kaolinitic family, rate one class better if experience confirms.

³ $GIN = (F-35)[.2 + .005(LL-40)] + .01 (F-15)(PI-10)$ where F = percent passing No. 200 sieve. If F is <35 and PI is >11, use only part 2 of equation. Use median values.

⁴ Weighted average to 40 inches.

Sand

Property	Limits		Restrictive feature
	Probable source	Improbable source	
1. USDA texture	---	Ice	Permafrost.
2. Unified ¹	SW, SP, SW-SM, SP-SM	---	---
	GW, GP, GW-GM, GP-GM ²	---	---
	---	GW, GP, GW-GM, GP-GM ³	Small stones.
	---	PT	Excess humus.
	---	All other	Excess fines.
3. Layer thickness (inches)	>36	<36	Thin layer.
4. Fraction greater than 3 inches (percent by weight) ⁴	<50	>50	Large stones.

¹ Evaluate the thickest layer between 10 and 60 inches and also the bottom layer. Choose the best rating. When rating is based on bottom layer, verify thickness.

² Percent passing No. 4 sieve minus percent passing No. 200 sieve is greater than 25.

³ Percent passing No. 4 sieve minus percent passing No. 200 sieve is less than 25.

⁴ Thickest layer between 10 and 60 inches.

Gravel

Property	Limits		Restrictive feature
	Probable source	Improbable source	
1. USDA texture	---	Ice	Permafrost.
2. Unified ¹	GW, GP, GW-GM, GP-GM	---	---
	SW, SP, SW-SM, SP-SM ²	SW, SP, SW-SM, SP-SM ³	Too sandy.
	---	PT	Excess humus.
	---	All other	Excess fines.
3. Layer thickness (inches)	>36	<36	Thin layer.
4. Fraction greater than 3 inches (percent by weight) ⁴	<50	>50	Large stones.

¹ Evaluate the thickest layer between 10 and 60 inches and also the bottom layer. Choose the best rating. When rating is based on bottom layer, verify thickness.

² 100 minus percent passing No. 4 sieve is greater than 25.

³ 100 minus percent passing No. 4 sieve is less than 25.

⁴ Thickest layer between 10 and 60 inches.

Shallow Excavations

Property	Limits			Restrictive feature
	Slight	Moderate	Severe	
1. USDA texture	---	---	Ice	Permafrost.
2. Depth to bedrock (inches):				
Hard	>60	40-60	<40	Depth to rock.
Soft	>40	20-40	<20	Depth to rock.
3. Depth to cemented pan (inches):				
Thick	>60	40-60	<40	Cemented pan.
Thin	>40	20-40	<20	Cemented pan.
4. USDA texture (20 to 60 inches) ...	---	SI ¹	COS, S, FS, VFS, LCOS, LS, LFS, LVFS, G, SG	Cutbanks cave.
5. USDA texture (20 to 60 inches) ...	---	C, SIC	---	Too clayey.
6. Soil order	---	---	Vertisols	Cutbanks cave.
7. Bulk density (20 to 60 inches) (g/cc)	---	>1.8	---	Dense layer.
8. Unified (20 to 60 inches)	---	---	OL, OH, PT	Excess humus.
9. Fraction greater than 3 inches (percent by weight) ²	<25	25-50	>50	Large stones.
10. Depth to high water table (feet) ...	---	---	+	Ponding.
	>6	2.5-6	<2.5	Wetness.
11. Flooding	None, rare	Common	---	Flooding.
12. Slope (percent)	0-8	8-15	>15	Slope.
13. Downslope movement	---	---	(³)	Slippage.

¹ In areas of loess, rating should be *slight*.

² Weighted average to 40 inches.

³ If the soil is susceptible to movement downslope when loaded, excavated, or wet, rating should be "Severe—slippage."

Local Roads and Streets

Property	Limits			Restrictive feature
	Slight	Moderate	Severe	
1. USDA texture	---	---	Ice	Permafrost.
2. Total subsidence	---	---	>12	Subsides.
3. Depth to bedrock (inches):				
Hard	>40	20-40	<20	Depth to rock.
Soft	>20	<20	---	Depth to rock.
4. Depth to cemented pan (inches):				
Thick	>40	20-40	<20	Cemented pan.
Thin	>20	<20	---	Cemented pan.
5. Shrink-swell potential ¹	Low	Moderate	High, very high	Shrink-swell.
6. AASHTO group index number ^{1 2 3}	<5	5-8	>8	Low strength.
7. Depth to high water table (feet) ...	---	---	+	Ponding.
	>2.5	1.0-2.5	<1.0	Wetness.
8. Slope (percent)	<8	8-15	>15	Slope.
9. Flooding	None	Rare	Common	Flooding.
10. Potential frost action	Low	Moderate	High	Frost action.
11. Fraction greater than 3 inches (percent by weight) ⁴	<25	25-50	>50	Large stones.
12. Downslope movement	---	---	(⁵)	Slippage.
13. Formation of pits	---	---	(⁶)	Pitting.
14. Differential settling	---	---	(⁷)	Unstable fill.

¹ Thickest layer between 10 and 40 inches.

² $GIN = (F-35)[.2 + .005(LL-40)] + .01 (F-15)(PI-10)$ where F = percent passing No. 200 sieve. If F is <35 and PI is >11, use only part 2 of equation. Use median values.

³ If in kaolinitic family, rate one class better if experience confirms.

⁴ Weighted average to 40 inches.

⁵ If the soil is susceptible to movement downslope when loaded, excavated, or wet, rate "Severe—slippage."

⁶ If the soil is susceptible to the formation of pits caused by the melting of ground ice when the ground cover is removed, rate "Severe—pitting."

⁷ If the soil is susceptible to differential settling, rate "Severe—unstable fill."

Embankments, Dikes, and Levees

Property	Limits			Restrictive feature
	Slight	Moderate	Severe	
1. USDA texture	---	---	Ice	Permafrost.
2. Layer thickness (inches).....	>60	30-60	<30	Thin layer.
3. Unified ¹	---	---	GW, GP, SW, SP, GW-GM, GP-GM, SW-SM, SP-SM, SM, ² GM ²	Seepage.
4. Unified ¹	---	GM, ³ CL ⁴	ML, ⁵ SM, ⁶ SP, ⁶ CL-ML	Piping.
5. Unified ¹	---	---	PT, OL, OH	Excess humus.
6. Unified ¹	---	---	MH, CH ⁷	Hard to pack.
7. Fraction greater than 3 inches (percent by weight) ⁸	<15	15-35	>35	Large stones.
8. Depth to high water table (feet) ...	---	---	+	Ponding.
Apparent	>4	2-4	<2	Wetness.
Perched	>3	1-3	<1	Wetness.
9. Sodium adsorption ratio in the upper 40 inches (great group or phase).....	---	---	>12 (natric, halic, alkali phases)	Excess sodium.
10. Salinity (mmhos/cm)	<8	8-16	>16	Excess salt.

¹ Thickest layer between 10 and 60 inches.

² Rate *moderate* if more than 20 percent passing No. 200 sieve and *slight* if more than 30 percent passing No. 200 sieve.

³ Rate *slight* if less than 35 percent passing No. 200 sieve, less than 50 percent passing No. 40 sieve, and less than 65 percent passing No. 10 sieve. The soil must meet all three criteria before it is rated *slight*.

⁴ Rate *slight* if PI is greater than 15.

⁵ Rate *moderate* if PI is greater than 10.

⁶ Rate *moderate* if less than 70 percent passing No. 40 sieve and less than 90 percent passing No. 10 sieve, and rate *slight* if less than 60 percent passing No. 40 sieve and less than 75 percent passing No. 10 sieve.

⁷ Rate *moderate* if PI is less than 40.

⁸ Weighted average to 40 inches.

Range Seeding

Property	Limits			Restrictive feature
	Good	Fair	Poor	
Moisture regime	Aquic, xeric, ustic, and xeric and ustic bordering on aridic or torric.	Aridic and torric bordering on aquic, xeric or ustic.	Aridic and torric.	Too arid.
Effective moisture ¹	>10 in. (25 cm)	7-10 in. (17.5-25 cm)	<7 in. (17.5 cm)	Too arid.
Available water capacity	Surface 10 in. (27 cm) >1.25 in. (3.2 cm). Soil profile > 4 in. (10.2 cm).	Surface 10 in. (25 cm) 0.75-1.25 in. (1.9-3.2 cm). Soil profile 2.5-4 in. (6.4-10.2 cm).	Surface 10 in. (25 cm) <0.75 in. (1.9 cm). Soil profile < 2-5 in. (6.4 cm).	Droughty.
Texture surface 7 in. (17.5 cm)	LVFS, COSL, SL, FSL, VFSL, L SIL, SCL, and CL SICL with <35% C.	VFS, LFS, SC, SIC, C and CL and SICL with >35% C.	LS, LCOS, FS, COS.	Too sandy. Too clayey.
Rock fragments in surface 7 in. (17.5 cm)	GR <35%; CB <15%; ST <3%. Total rock fragments <35%.	GR <35%; CB 15-35%; ST 3-15%. Total rock fragments <35%.	GR >35%; CB 35%; ST >15%. Total rock fragments >35%.	Small stones. Large stones.
Depth to abrupt A-B texture boundary ²	>10 in. (25 cm)	>10 in. (25 cm)	<10 in. (25 cm)	Rooting depth.
Depth to bedrock or hardpan	>20 in. (50 cm)	10-20 in. (25-50 cm)	<10 in. (25 cm)	Depth to rock/pan.
Electrical conductivity-saturation extract-25°C	<2 mmhos/cm (0.2 s/m) in upper 20 in. (50 cm).	2-4 mmhos/cm (0.2-0.4 s/m) in upper 10 in. (25 cm) and 4-8 mmhos/cm (0.4-0.8 s/m) in 10-20 (25-50 cm).	>4 mmhos/cm (0.4 s/m) in upper 10 in. (25 cm) and/or >8 mmhos/cm (0.8 s/m) in 10-20 in. (25-50 cm).	Excess salt.
Sodium adsorption ratio	<8 in upper 20 in. (50 cm).	8-13 in upper 10 in. (25 cm) and <20 in 10-20 in. (25-50 cm).	>13 in upper 10 in. (25 cm) and/or >20 in 10-20 in. (25-50 cm).	Excess sodium.
K x percent slope ³	<4 ⁴ ; <6 ⁵	4-6 ⁴ ; 6-8 ⁵	>6 ⁴ ; >8 ⁵	Erodes easily.
I x C ⁶	<60	<60	>60	Soil blowing.
Soil surface morphological types ⁷ ..	Types I and II >60%; Type IV <5%; or with mollic epipedon ⁸	Types I and II 20-60%; Type IV <10% ⁸	Type III <60%; Type IV >10% ⁸	Too crusty.

¹ Moisture from precipitation, run-on, and ground water budgeted to actual evapotranspiration.

² Rate Vertisols and Vertic subgroups as poor.

³ Sheet and rill erosion hazard (bare soil).

⁴ For ustic bordering on aridic or torric, and aridic or torric bordering on ustic moisture regimes.

⁵ For xeric, xeric bordering on aridic or torric, and aridic or torric bordering on xeric moisture regimes.

⁶ Wind erosion hazard (bare soil).

⁷ See: (1) Final Report. Properties, Occurrence and Management of Soils with Vesicular Surface Horizons, 1977. Contract No. 52500-CT 5(N). USDI-BLM and UNR-Ag. Exp. Stn. Eckert, Peterson, Wood, and Blackburn; and (2) Final Report. Properties, Occurrence and Management of Soils with Vesicular Surface Horizons—Effects of Trampling on Seedling Emergence. 1979. Contract No. YA 512-CT 7-14. USDI-BLM and UNR-Ag. Exp. Stn. Stephens, Eckert, and Peterson.

⁸ Soils without crusting morphology are to be included in Types I and II for rating.

Guide for Estimating the Hazard of Erosion on Bare Soil in Nevada

“K” means erosion factor K; “S” means percent slope; “I” means wind erodibility index; “C” means climatic factor.

	Water (K x S)	Wind (I x C)
Slight.....	<4	<60
Moderate.....	4-8	60-100
High.....	>8	>100

Tables

TABLE 1.--TEMPERATURE AND PRECIPITATION

(Recorded in the period 1948-88 at Cedarville, California; 1948-75 at Nixon, Nevada; 1937-88 at Reno, Nevada; and 1928-71 at Sand Pass, Nevada)

Month	Temperature					Precipitation				
	Average daily maximum	Average daily minimum	Average daily	2 years in 10 will have--		Average number of growing degree days*	Average	2 years in 10 will have--		Average number of days with 0.10 inch or more
				Maximum temperature higher than--	Minimum temperature lower than--			Less than--	More than--	
<u>° F</u>	<u>° F</u>	<u>° F</u>	<u>° F</u>	<u>° F</u>	<u>° F</u>	<u>Units</u>	<u>In</u>	<u>In</u>	<u>In</u>	
CEDARVILLE:										
January----	39.3	20.0	29.6	59	-9	13	1.80	0.68	2.73	5
February----	44.7	24.6	34.6	63	1	28	1.42	.62	2.11	4
March-----	49.7	28.0	38.9	71	9	77	1.34	.69	1.91	4
April-----	58.3	33.0	45.7	80	18	207	.97	.43	1.43	3
May-----	67.2	40.2	53.7	88	24	422	1.08	.40	1.65	3
June-----	76.7	47.5	62.1	96	32	654	.78	.17	1.26	2
July-----	87.1	54.7	70.9	100	40	942	.32	.13	.74	1
August-----	85.9	52.7	69.3	100	39	923	.38	.10	.70	1
September--	77.6	44.5	61.0	96	28	598	.51	.16	.99	1
October----	65.0	35.4	50.2	85	19	320	1.03	.26	1.70	2
November---	49.7	27.7	38.7	70	9	81	1.76	.74	2.62	5
December---	41.2	21.8	31.5	59	-2	16	1.76	.69	2.65	5
Yearly:										
Average----	61.9	35.8	48.9	---	---	---	---	---	---	---
Extreme----	106	-23	---	101	-9	---	---	---	---	---
Total-----	---	---	---	---	---	4,281	13.14	6.34	17.45	36
NIXON:										
January----	44.8	20.3	32.5	66	-6	44	.61	.23	.92	2
February----	51.0	25.0	38.0	69	5	57	.59	.21	.98	1
March-----	56.1	28.5	42.3	76	9	131	.56	.13	1.05	2
April-----	63.9	32.6	48.3	84	17	259	.56	.16	.89	1
May-----	74.8	41.0	57.9	94	23	550	.84	.38	1.84	2
June-----	83.5	48.1	65.8	102	31	752	.72	.30	1.46	1
July-----	92.4	53.6	73.0	104	39	1,017	.19	.06	.52	0
August-----	90.8	50.3	70.5	103	36	888	.27	.14	1.13	1
September--	82.8	42.5	62.6	97	27	670	.26	.12	.62	0
October----	69.7	33.7	51.7	87	17	363	.39	.16	.79	1
November---	55.4	27.1	41.3	74	10	109	.73	.18	1.17	2
December---	45.1	22.1	33.6	64	-2	26	.68	.21	1.06	2
Yearly:										
Average----	67.5	35.4	51.5	---	---	---	---	---	---	---
Extreme----	106	-22	---	106	-8	---	---	---	---	---
Total-----	---	---	---	---	---	4,863	6.40	2.29	7.85	15

See footnote at end of table.

TABLE 1.--TEMPERATURE AND PRECIPITATION--Continued

Month	Temperature						Precipitation			
	Average daily maximum	Average daily minimum	Average daily	2 years in 10 will have--		Average number of growing degree days*	Average	2 years in 10 will have--		Average number of days with 0.10 inch or more
				Maximum temperature higher than--	Minimum temperature lower than--			Less than--	More than--	
	° F	° F	° F	° F	° F	Units	In	In	In	
RENO:										
January----	45.1	19.4	32.3	66	-4	20	1.13	0.38	1.79	2
February----	50.9	23.6	37.3	70	3	43	.99	.26	1.61	2
March-----	55.9	26.0	40.9	75	9	95	.76	.21	1.19	2
April-----	63.8	30.3	47.1	84	17	227	.43	.13	.74	1
May-----	72.7	37.6	55.1	92	23	471	.61	.12	1.08	1
June-----	81.7	43.4	62.5	99	30	676	.38	.10	.72	1
July-----	91.0	48.2	69.6	102	36	917	.29	.08	.55	0
August-----	89.3	46.0	67.6	101	33	857	.23	.04	.50	0
September--	81.2	39.6	60.4	96	25	613	.32	.05	.63	1
October----	69.5	31.2	50.4	88	16	329	.44	.09	.78	1
November---	55.4	24.4	39.9	74	8	85	.74	.18	1.26	2
December---	46.6	20.0	33.3	66	-1	24	1.03	.20	1.68	2
Yearly:										
Average----	66.9	32.5	49.7	---	---	---	---	---	---	---
Extreme----	105	-16	---	103	-7	---	---	---	---	---
Total-----	---	---	---	---	---	4,357	7.36	4.46	9.62	15
SAND PASS:										
January----	41.7	19.0	30.3	61	-6	16	1.06	.30	1.67	2
February----	48.8	24.4	36.6	66	3	38	.80	.25	1.29	2
March-----	56.6	28.6	42.6	75	11	126	.61	.22	.96	1
April-----	65.8	34.1	49.9	86	18	305	.44	.15	.72	1
May-----	74.4	41.8	58.1	94	24	533	.53	.18	.90	1
June-----	82.2	48.6	65.4	101	33	740	.59	.17	1.11	1
July-----	92.5	55.4	74.0	104	41	999	.20	.07	.74	0
August-----	90.4	52.7	71.5	103	39	966	.10	.08	.36	0
September--	81.9	45.1	63.5	97	27	680	.27	.09	.69	0
October----	69.1	35.7	52.4	87	18	370	.45	.15	.88	1
November---	54.4	25.4	39.9	73	7	85	.62	.21	1.11	1
December---	44.7	20.9	32.8	63	2	20	1.12	.33	1.82	3
Yearly:										
Average----	66.9	36.0	51.4	---	---	---	---	---	---	---
Extreme----	107	-22	---	105	-6	---	---	---	---	---
Total-----	---	---	---	---	---	4,878	6.80	3.11	9.00	13

* A growing degree day is a unit 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 degrees F).

TABLE 2.--FREEZE DATES IN SPRING AND FALL

(Recorded in the period 1948-88 at Cedarville, California;
1948-75 at Nixon, Nevada; 1937-88 at Reno, Nevada; and
1928-71 at Sand Pass, Nevada)

Probability	Temperature		
	24 °F or lower	28 °F or lower	32 °F or lower
CEDARVILLE:			
Last freezing temperature in spring:			
1 year in 10 later than--	May 12	May 23	June 12
2 years in 10 later than--	May 5	May 18	June 6
5 years in 10 later than--	Apr. 21	May 7	May 25
First freezing temperature in fall:			
1 year in 10 earlier than--	Oct. 3	Sept. 22	Sept. 11
2 years in 10 earlier than--	Oct. 11	Sept. 29	Sept. 17
5 years in 10 earlier than--	Oct. 25	Oct. 10	Sept. 29
NIXON:			
Last freezing temperature in spring:			
1 year in 10 later than--	May 2	May 25	June 10
2 years in 10 later than--	Apr. 27	May 18	June 3
5 years in 10 later than--	Apr. 19	May 5	May 20
First freezing temperature in fall:			
1 year in 10 earlier than--	Oct. 7	Sept. 14	Sept. 9
2 years in 10 earlier than--	Oct. 11	Sept. 20	Sept. 15
5 years in 10 earlier than--	Oct. 20	Oct. 2	Sept. 27

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

Probability	Temperature		
	24 °F or lower	28 °F or lower	32 °F or lower
RENO:			
Last freezing temperature in spring:			
1 year in 10 later than--	May 12	May 25	June 19
2 years in 10 later than--	May 6	May 20	June 12
5 years in 10 later than--	Apr. 25	May 9	May 31
First freezing temperature in fall:			
1 year in 10 earlier than--	Sept. 24	Sept. 15	Aug. 29
2 years in 10 earlier than--	Sept. 30	Sept. 21	Sept. 4
5 years in 10 earlier than--	Oct. 12	Oct. 2	Sept. 16
SAND PASS:			
Last freezing temperature in spring:			
1 year in 10 later than--	May 3	May 18	May 31
2 years in 10 later than--	Apr. 26	May 10	May 25
5 years in 10 later than--	Apr. 12	Apr. 24	May 14
First freezing temperature in fall:			
1 year in 10 earlier than--	Oct. 6	Sept. 23	Sept. 16
2 years in 10 earlier than--	Oct. 12	Sept. 28	Sept. 20
5 years in 10 earlier than--	Oct. 23	Oct. 8	Sept. 29

TABLE 3.--GROWING SEASON

(Recorded in the period 1948-88 at Cedarville, California; 1948-75 at Nixon, Nevada; 1937-88 at Reno, Nevada; and 1928-71 at Sand Pass, Nevada)

Probability	Daily minimum temperature during growing season		
	Higher than 24 °F	Higher than 28 °F	Higher than 32 °F
	<u>Days</u>	<u>Days</u>	<u>Days</u>
CEDARVILLE:			
9 years in 10	141	126	101
8 years in 10	152	134	109
5 years in 10	174	150	125
2 years in 10	196	166	141
1 year in 10	207	174	149
NIXON:			
9 years in 10	139	110	99
8 years in 10	148	122	109
5 years in 10	167	145	128
2 years in 10	185	168	147
1 year in 10	194	180	157
RENO:			
9 years in 10	131	115	78
8 years in 10	140	124	88
5 years in 10	158	140	108
2 years in 10	176	156	127
1 year in 10	186	164	138
SAND PASS:			
9 years in 10	144	124	111
8 years in 10	155	135	118
5 years in 10	177	156	132
2 years in 10	199	178	146
1 year in 10	211	189	153

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

Map symbol	Soil name	Acres	Percent
120	Home Camp-Newlands association-----	13,250	0.9
131	Devada-Hart Camp-Tunnison association-----	13,255	0.9
133	Devada-Tunnison-Softscrabble association-----	1,525	0.1
134	Devada-Dosie-Softscrabble association-----	33,000	2.2
135	Devada-Hart Camp association-----	4,380	0.3
136	Devada-Tunnison association-----	21,000	1.4
137	Devada-Tunnison-Rock outcrop association-----	4,430	0.3
138	Devada-Reywat-Tunnison association-----	4,500	0.3
150	Skedaddle-Old Camp-Rock outcrop association-----	5,529	0.4
151	Skedaddle-Jaybee-Rock outcrop association-----	13,295	0.9
160	Dun Glen-Davey-Hawsley association-----	7,175	0.5
170	Zorravista-Davey association-----	12,261	0.8
171	Zorravista sand, 4 to 15 percent slopes-----	2,446	0.2
172	Zorravista-Swangler association-----	2,129	0.1
181	Tunnison-Devada association-----	1,410	0.1
182	Tunnison-Rubble land association-----	21,000	1.4
183	Tunnison complex, 0 to 8 percent slopes-----	5,740	0.4
190	Swangler complex, 2 to 4 percent slopes-----	5,190	0.3
193	Swangler-Ragtown association-----	5,150	0.3
200	Churchill-Swangler association-----	4,710	0.3
210	Veta-Langston association-----	11,000	0.7
212	Veta-Trocken association-----	3,265	0.2
220	Cewat very stony fine sandy loam, 4 to 15 percent slopes-----	3,123	0.2
241	Benin complex-----	728	*
250	Old Camp-Reywat-Jaybee association-----	9,098	0.6
251	Old Camp-Jaybee-Pickup association-----	2,780	0.2
258	Old Camp-Reywat-Theon association-----	7,255	0.5
261	Pickup-Bucklake association-----	9,000	0.6
262	Pickup-Bucklake-Terca association-----	4,375	0.3
264	Pickup-Wylo association-----	21,000	1.4
271	Wylo-Pickup-Bucklake association-----	32,000	2.1
272	Wylo-Manogue-Pickup association-----	11,000	0.7
273	Wylo-Bucklake-Rock outcrop association-----	12,000	0.8
274	Wylo-Rock outcrop association-----	3,245	0.2
279	Wylo-Reywat-Rock outcrop association-----	2,571	0.2
280	Bombadil-Old Camp-Reywat association-----	9,000	0.6
282	Bombadil-Hefed-Rubble land association-----	228	*
283	Bombadil-Ceejay association-----	10,000	0.7
284	Bombadil-Corral association-----	4,380	0.3
310	Jaybee-Pickup association-----	5,870	0.4
312	Jaybee-Old Camp-Reywat association-----	10,144	0.7
313	Jaybee-Bombadil-Old Camp association-----	10,000	0.7
314	Jaybee-Oppio-Old Camp association-----	33,000	2.2
315	Jaybee-Bombadil-Rock outcrop association-----	11,128	0.7
316	Jaybee-Manogue-Fulstone association-----	5,650	0.4
317	Jaybee-Corral-Oppio association-----	4,485	0.3
318	Jaybee-Reywat association-----	5,334	0.4
330	Hart Camp-Devada association-----	6,740	0.5
340	Reywat-Rock outcrop complex, 15 to 50 percent slopes-----	397	*
344	Reywat-Ister association-----	6,465	0.4
362	Brubeck very cobbly clay, 0 to 4 percent slopes-----	2,095	0.1
370	Terca-Softscrabble-Rock outcrop association-----	3,578	0.2
371	Terca-Devada-Rock outcrop association-----	5,874	0.4
372	Terca-Devada association-----	1,500	0.1
373	Terca-Softscrabble-Devada association-----	3,900	0.3
374	Terca-Reywat-Wylo association-----	31,706	2.1
420	Fulstone-Wylo association-----	2,100	0.1
421	Fulstone-Chalco association-----	2,002	0.1
422	Fulstone very stony loam, 4 to 15 percent slopes-----	2,690	0.2
441	Rezave-Theon association-----	2,338	0.2
460	Chill-Jaybee association-----	4,603	0.3

See footnote at end of table.

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

Map symbol	Soil name	Acres	Percent
491	Oppio very stony loam, 4 to 15 percent slopes-----	1,185	0.1
500	Smaug very fine sandy loam, 2 to 8 percent slopes-----	7,113	0.5
510	Bucklake-Bombadil-Reywat association-----	5,060	0.3
511	Bucklake-Corral-Rubble land association-----	1,770	0.1
513	Bucklake-Reywat association-----	4,940	0.3
515	Bucklake-Reywat-Devada association-----	4,735	0.3
517	Bucklake-Softscrabble-Devada association-----	12,319	0.8
518	Bucklake-Pickup-Wylo association-----	16,000	1.1
540	Mazuma complex, 0 to 4 percent slopes-----	3,273	0.2
541	Mazuma fine sandy loam, 0 to 4 percent slopes-----	3,628	0.2
542	Mazuma-Ragtown association-----	8,326	0.6
543	Mazuma-Swinglex association-----	10,298	0.7
545	Mazuma-Davey association-----	6,775	0.5
546	Mazuma association-----	7,173	0.5
547	Mazuma fine sandy loam, moderately sodic, 0 to 4 percent slopes-----	5,060	0.3
548	Mazuma silt loam, 0 to 4 percent slopes-----	2,966	0.2
549	Mazuma-Smaug association-----	3,924	0.3
560	Toulon-Mazuma-Hawsley association-----	3,743	0.3
561	Toulon-Trocken-Mazuma association-----	4,331	0.3
580	Verdico-Corral association-----	1,560	0.1
581	Verdico-Chalco association-----	1,940	0.1
590	Buffaran stony loam, 2 to 15 percent slopes-----	9,095	0.6
591	Buffaran-Bombadil-Rock outcrop association-----	5,095	0.3
592	Buffaran-Corral association-----	1,795	0.1
610	Haybourne-Mottsville-Incy association-----	5,605	0.4
611	Haybourne-Zorravista-Fulstone association-----	10,870	0.7
614	Haybourne loamy sand, 4 to 15 percent slopes-----	5,250	0.4
615	Haybourne-Dun Glen association-----	3,028	0.2
616	Haybourne sandy loam, 2 to 8 percent slopes-----	2,288	0.2
620	Leviathan-Barnard association-----	1,840	0.1
621	Leviathan-Springmeyer-Haybourne association-----	4,453	0.3
622	Leviathan very gravelly loam, 2 to 8 percent slopes-----	1,693	0.1
630	Chappuis sandy loam-----	2,346	0.2
702	Graufels-Glenbrook association-----	5,140	0.3
710	Thulepah-Hutchley association-----	1,310	0.1
711	Thulepah-Hutchley-Rock outcrop association-----	2,870	0.2
721	Softscrabble-Sumine-Hutchley association-----	3,045	0.2
722	Softscrabble-Bucklake-Indiano association-----	3,910	0.3
723	Softscrabble-Hutchley-Thulepah association-----	5,852	0.4
725	Softscrabble-Sumine-Prunie association-----	6,935	0.5
726	Softscrabble-Dosie-Devada association-----	11,905	0.8
727	Softscrabble-Hart Camp association-----	10,090	0.7
728	Softscrabble-Hutchley-Burnborough association-----	2,926	0.2
729	Softscrabble-Dosie-Hutchley association-----	2,910	0.2
730	Arzo-Indiano-Barnard association-----	2,365	0.2
750	Gitakup-Tresed-Ragtown association-----	10,710	0.7
760	Ganaflan-Smaug-Trocken association-----	8,092	0.5
770	Tresed-Gitakup-Playas complex-----	3,840	0.3
780	Chuckles-Playas complex-----	3,855	0.3
781	Chuckles-Ragtown-Playas complex-----	10,685	0.7
790	Galeppi-Barnard association-----	955	0.1
800	Boulder Lake silty clay-----	1,295	0.1
810	Voltaire-Truckee association-----	3,184	0.2
811	Voltaire-Fluvaquents-Veta association-----	1,385	0.1
820	Horsecamp-Mahala association-----	2,025	0.1
831	Kayo very stony sandy loam, 2 to 8 percent slopes-----	4,181	0.3
841	Beaches-----	6,177	0.4
850	Osobb-Rezave-Fireball association-----	539	*
890	Slocave-Arclay-Rock outcrop association-----	255	*
892	Slocave-Singatse-Jaybee association-----	4,424	0.3
893	Slocave-Rock outcrop association-----	930	0.1

See footnote at end of table.

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

Map symbol	Soil name	Acres	Percent
900	Playas-----	194,944	13.1
901	Dune land-Playas complex, 0 to 30 percent slopes-----	382	*
910	Shawave-Deadyon association-----	759	0.1
930	Typic Torriorthents-Aquic Torriorthents complex, 0 to 4 percent slopes-----	15,461	1.0
940	Hawsley association-----	4,117	0.3
950	Cleaver-Xeric Torriorthents association-----	2,927	0.2
972	Isolde-Toulon complex, 2 to 15 percent slopes-----	279	*
1043	Bluewing-Trocken association-----	1,110	0.1
1060	Trocken-Mazuma association-----	2,904	0.2
1061	Trocken-Bluewing association-----	6,876	0.5
1063	Trocken-Ganaflan-Bluewing association, dry-----	4,679	0.3
1064	Trocken, stony-Mazuma association-----	17,000	1.1
1065	Trocken-Ruhe-Bluewing association-----	3,678	0.2
1067	Trocken, moist-Mazuma association-----	3,540	0.2
1068	Trocken-Hawsley association-----	683	*
1160	Glenbrook-Graufels-Rock outcrop association-----	4,000	0.3
1190	Ragtown-Isolde complex, 0 to 15 percent slopes-----	9,946	0.7
1191	Ragtown association-----	15,000	1.0
1192	Ragtown-Umberland association-----	2,239	0.2
1194	Ragtown-Swingler-Benin association-----	1,760	0.1
1200	Dosie-Devada association-----	11,580	0.8
1201	Dosie-Rubble land association-----	6,550	0.4
1220	Ceejay-Pickup association-----	15,000	1.0
1221	Ceejay stony loam, 4 to 30 percent slopes-----	6,161	0.4
1222	Ceejay-Verdico-Chalco association-----	4,482	0.3
1230	Singatse-Jaybee association-----	2,920	0.2
1240	Labkey-Mazuma association-----	1,472	0.1
1250	Jerval-Dorper association-----	867	0.1
1251	Jerval-Kumiva association-----	5,869	0.4
1254	Jerval-Trocken association-----	7,447	0.5
1255	Jerval-Veta association-----	3,517	0.2
1260	Sojur-Phliss association-----	467	*
1270	Deadyon sandy loam, 4 to 8 percent slopes-----	2,324	0.2
1290	Hutchley-Terca association-----	2,793	0.2
1310	Hooplite-Singatse association-----	3,945	0.3
1320	Jaybee-Theon-Singatse association-----	7,849	0.5
1340	Phing stony sandy loam, 2 to 8 percent slopes-----	8,750	0.6
1360	Mastly-Mazuma association-----	2,420	0.2
1370	Theon-Jaybee association-----	5,069	0.3
1372	Theon-Old Camp association-----	3,425	0.2
1373	Theon-Trocken-Singatse association-----	7,862	0.5
1392	Ninemile-Newlands association-----	5,881	0.4
1401	Dedmount-Umberland association-----	3,280	0.2
1410	Juva loam-----	4,991	0.3
1420	Perwaso complex-----	223	*
1430	Slaw complex-----	223	*
1440	Umberland silty clay loam-----	1,204	0.1
1442	Umberland-Benin association-----	4,078	0.3
1443	Umberland-Ragtown association-----	14,000	0.9
1444	Umberland silty clay loam, ponded-----	6,810	0.5
1445	Umberland-Playas-Ragtown association-----	3,238	0.2
1446	Umberland association-----	1,470	0.1
1447	Umberland-Dedmount association-----	1,387	0.1
1460	Chalco association-----	12,697	0.9
1461	Chalco-Pickup association-----	12,813	0.9
1470	Squawval-Hutchley-Tosp association-----	6,800	0.5
1480	Eaglerock-Wagore association-----	5,835	0.4
1490	Berit-Deanran-Rock outcrop association-----	10,765	0.7
1491	Berit-Noslo-Rock outcrop association-----	5,986	0.4
1500	Hastee-Granipeak-Rock outcrop association-----	8,830	0.6
1510	Greenbrae fine sandy loam, 4 to 15 percent slopes-----	1,315	0.1

See footnote at end of table.

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

Map symbol	Soil name	Acres	Percent
1520	Kaffur-Slocave-Rock outcrop association-----	9,061	0.6
1530	Coppereid-Kreza association-----	12,000	0.8
1540	Foxcan-Sejur-Rock outcrop association-----	14,000	0.9
1550	Wylo-Ister association-----	12,270	0.8
1552	Wylo-Bucklake association-----	9,067	0.6
1560	Manogue-Ceejay association-----	4,270	0.3
1570	Espil gravelly sandy loam, 2 to 15 percent slopes-----	1,450	0.1
1580	Trocken-Ganaflan-Bluewing association-----	5,096	0.3
1581	Trocken-Mazuma-Hawsley association-----	2,755	0.2
1590	Typic Torriorthents-Ragtown association-----	6,020	0.4
1600	Dithod loam-----	1,129	0.1
1601	Dithod-Fluvaquents association-----	1,775	0.1
1620	Mazuma-Hawsley association-----	10,917	0.7
1621	Mazuma, clayey substratum association-----	5,080	0.3
1630	Veta-Mazuma association-----	14,423	1.0
	Water-----	78,057	5.2
	Total-----	1,492,538	100.0

* Less than 0.05 percent.

TABLE 5.--RANGELAND SEEDING

Map symbol and soil name	Suitability rating	Restrictive features
120*: Home Camp-----	Fair-----	Large stones, small stones.
Newlands-----	Fair-----	Large stones, small stones, erodes easily.
131*: Devada-----	Poor-----	Large stones, droughty.
Hart Camp-----	Poor-----	Large stones.
Tunnison-----	Poor-----	Large stones.
133*: Devada-----	Poor-----	Large stones, droughty.
Tunnison-----	Poor-----	Large stones.
Softscrabble-----	Fair-----	Large stones.
134*: Devada-----	Poor-----	Large stones, droughty.
Dosie-----	Poor-----	Large stones.
Softscrabble-----	Poor-----	Large stones.
135*: Devada-----	Poor-----	Large stones, droughty.
Hart Camp-----	Poor-----	Large stones.
136*: Devada-----	Poor-----	Large stones, droughty.
Tunnison-----	Poor-----	Large stones.
137*: Devada-----	Poor-----	Large stones, droughty.
Tunnison-----	Poor-----	Large stones.
Rock outcrop.		
138*: Devada-----	Poor-----	Large stones, droughty.
Reywat-----	Poor-----	Droughty, large stones.
Tunnison-----	Poor-----	Large stones.
150*: Skedaddle-----	Poor-----	Droughty, depth to rock, large stones.
Old Camp-----	Poor-----	Droughty, large stones.
Rock outcrop.		
151*: Skedaddle-----	Poor-----	Droughty, depth to rock, large stones.
Jaybee-----	Poor-----	Large stones, droughty.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
151*: Rock outcrop.		
160*: Dun Glen-----	Poor-----	Too arid.
Davey-----	Fair-----	Too arid, too sandy, soil blowing.
Hawsley-----	Poor-----	Too arid, droughty, too sandy.
170*: Zorravista-----	Poor-----	Droughty, too sandy, soil blowing.
Davey-----	Fair-----	Too arid, too sandy, soil blowing.
171----- Zorravista	Poor-----	Droughty, too sandy, soil blowing.
172*: Zorravista-----	Poor-----	Droughty, too sandy, soil blowing.
Swingler-----	Poor-----	Too arid, excess salt.
181*: Tunnison-----	Fair-----	Droughty, too clayey, large stones.
Devada-----	Poor-----	Large stones, droughty.
182*: Tunnison, cobbly-----	Fair-----	Droughty, too clayey, large stones.
Rubble land.		
Tunnison, very cobbly-----	Poor-----	Large stones.
183*: Tunnison, very cobbly-----	Poor-----	Large stones.
Tunnison, cobbly-----	Fair-----	Droughty, too clayey, large stones.
190*: Swingler fine sandy loam-----	Poor-----	Too arid, excess salt.
Swingler loamy sand-----	Poor-----	Too arid, droughty, too sandy.
193*: Swingler-----	Poor-----	Too arid, excess salt, excess sodium.
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
200*: Churchill-----	Poor-----	Too arid, excess salt, excess sodium.
Swingler-----	Poor-----	Too arid, excess salt.
210*: Veta-----	Poor-----	Droughty.
Langston-----	Fair-----	Too arid, small stones.
212*: Veta-----	Poor-----	Droughty.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
212*: Trocken-----	Poor-----	Too arid, droughty.
220----- Cewat	Poor-----	Small stones.
241*: Benin, rarely flooded-----	Poor-----	Too arid, excess salt, excess sodium.
Benin, occasionally flooded--	Poor-----	Too arid, excess salt, excess sodium.
250*: Old Camp-----	Poor-----	Droughty, large stones.
Reywat-----	Poor-----	Droughty, large stones.
Jaybee-----	Poor-----	Droughty, large stones, depth to rock.
251*: Old Camp-----	Poor-----	Droughty, large stones.
Jaybee-----	Poor-----	Droughty, large stones, depth to rock.
Pickup-----	Poor-----	Large stones.
258*: Old Camp-----	Poor-----	Small stones, droughty.
Reywat-----	Poor-----	Droughty, large stones.
Theon-----	Poor-----	Too arid, droughty, small stones.
261*: Pickup-----	Poor-----	Large stones.
Bucklake-----	Poor-----	Large stones.
262*: Pickup-----	Poor-----	Large stones.
Bucklake-----	Poor-----	Large stones.
Terca-----	Poor-----	Droughty, large stones.
264*: Pickup-----	Poor-----	Large stones.
Wylo-----	Poor-----	Droughty, large stones.
271*: Wylo-----	Poor-----	Droughty, large stones.
Pickup-----	Poor-----	Large stones.
Bucklake-----	Poor-----	Large stones.
272*: Wylo-----	Poor-----	Droughty, large stones.
Manogue-----	Fair-----	Too arid, large stones, too clayey.
Pickup-----	Poor-----	Large stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
273*:		
Wylo-----	Poor-----	Droughty, large stones.
Bucklake-----	Poor-----	Large stones.
Rock outcrop.		
274*:		
Wylo-----	Poor-----	Droughty, large stones.
Rock outcrop.		
279*:		
Wylo-----	Poor-----	Droughty, large stones.
Reywat-----	Poor-----	Droughty, large stones.
Rock outcrop.		
280*:		
Bombadil-----	Poor-----	Droughty, depth to rock, large stones.
Old Camp-----	Poor-----	Large stones, droughty.
Reywat-----	Poor-----	Droughty, large stones.
282*:		
Bombadil-----	Poor-----	Droughty, depth to rock, large stones.
Hefed-----	Poor-----	Large stones, droughty.
Rubble land.		
283*:		
Bombadil-----	Poor-----	Droughty, depth to rock.
Ceejay-----	Poor-----	Droughty, rooting depth, large stones.
284*:		
Bombadil-----	Poor-----	Droughty, depth to rock.
Corral-----	Fair-----	Too arid, droughty, large stones.
310*:		
Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Pickup-----	Poor-----	Large stones.
312*:		
Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Old Camp-----	Poor-----	Large stones.
Reywat-----	Poor-----	Droughty, large stones.
313*:		
Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Bombadil-----	Poor-----	Droughty, depth to rock, large stones.
Old Camp-----	Poor-----	Large stones, droughty.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
314*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Oppio-----	Poor-----	Large stones, rooting depth, droughty.
Old Camp-----	Poor-----	Large stones, droughty.
315*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Bombadil-----	Poor-----	Droughty, depth to rock, large stones.
Rock outcrop.		
316*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Manogue-----	Poor-----	Large stones.
Fulstone-----	Poor-----	Large stones, rooting depth, droughty.
317*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Corral-----	Poor-----	Large stones.
Oppio-----	Poor-----	Large stones, rooting depth.
318*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Reywat-----	Poor-----	Droughty, large stones.
330*: Hart Camp-----	Poor-----	Large stones.
Devada-----	Poor-----	Large stones, droughty.
340*: Reywat-----	Poor-----	Droughty, large stones.
Rock outcrop.		
344*: Reywat-----	Poor-----	Droughty, large stones.
Ister-----	Poor-----	Large stones.
362----- Brubeck	Poor-----	Large stones.
370*: Terca-----	Poor-----	Droughty, large stones.
Softscrabble-----	Poor-----	Large stones.
Rock outcrop.		
371*: Terca-----	Poor-----	Droughty, large stones, erodes easily.
Devada-----	Poor-----	Large stones, droughty.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
371*: Rock outcrop.		
372*: Terca-----	Poor-----	Droughty, large stones.
Devada-----	Poor-----	Large stones, droughty.
373*: Terca-----	Poor-----	Droughty, large stones.
Softscrabble-----	Fair-----	Large stones, erodes easily.
Devada-----	Poor-----	Large stones, droughty.
374*: Terca-----	Poor-----	Droughty, large stones.
Reywat-----	Poor-----	Droughty, large stones.
Wylo-----	Poor-----	Droughty, large stones.
420*: Fulstone-----	Poor-----	Large stones, rooting depth, droughty.
Wylo-----	Poor-----	Droughty, large stones.
421*: Fulstone-----	Poor-----	Large stones, rooting depth, droughty.
Chalco-----	Poor-----	Droughty, large stones.
422----- Fulstone	Poor-----	Large stones, rooting depth, droughty.
441*: Rezave-----	Poor-----	Too arid, droughty, rooting depth.
Theon-----	Poor-----	Too arid, droughty, small stones.
460*: Chill-----	Poor-----	Droughty, large stones, depth to rock.
Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
491----- Oppio	Poor-----	Large stones, rooting depth.
500----- Smaug	Poor-----	Too arid, excess salt.
510*: Bucklake-----	Poor-----	Large stones.
Bombadil-----	Poor-----	Droughty, depth to rock.
Reywat-----	Poor-----	Droughty, large stones.
511*: Bucklake-----	Poor-----	Large stones.
Corral-----	Poor-----	Large stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
511*: Rubble land.		
513*: Bucklake-----	Poor-----	Large stones.
Reywat-----	Poor-----	Large stones, droughty.
515*: Bucklake-----	Poor-----	Large stones.
Reywat-----	Poor-----	Droughty, large stones.
Devada-----	Poor-----	Large stones, droughty.
517*: Bucklake-----	Poor-----	Large stones.
Softscrabble-----	Poor-----	Large stones.
Devada-----	Poor-----	Large stones, droughty.
518*: Bucklake-----	Poor-----	Large stones.
Pickup-----	Poor-----	Large stones.
Wylo-----	Poor-----	Droughty, large stones.
540*: Mazuma loamy fine sand-----	Poor-----	Too arid, soil blowing, excess salt.
Mazuma fine sandy loam-----	Poor-----	Too arid, excess salt, excess sodium.
541----- Mazuma	Poor-----	Too arid, excess salt.
542*: Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
543*: Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
Swingler-----	Poor-----	Too arid, excess salt, excess sodium.
545*: Mazuma-----	Poor-----	Too arid, excess sodium, excess salt.
Davey-----	Fair-----	Too arid.
Mazuma, moderately saline----	Poor-----	Too arid, excess salt, excess sodium.
546*: Mazuma-----	Poor-----	Too arid, soil blowing, excess salt.
Mazuma, moderately saline----	Poor-----	Too arid, excess sodium.
547----- Mazuma	Poor-----	Too arid, excess salt, excess sodium.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
548----- Mazuma	Poor-----	Too arid, excess salt, excess sodium.
549*: Mazuma-----	Poor-----	Too arid, excess salt.
Smaug-----	Poor-----	Too arid, excess salt.
560*: Toulon-----	Poor-----	Too arid, droughty.
Mazuma-----	Poor-----	Too arid, soil blowing, excess salt.
Hawsley-----	Poor-----	Too arid, droughty, too sandy.
561*: Toulon-----	Poor-----	Too arid, large stones.
Trocken-----	Poor-----	Too arid, droughty.
Mazuma-----	Poor-----	Too arid, excess salt.
580*: Verdico-----	Poor-----	Large stones, rooting depth, droughty.
Corral-----	Poor-----	Large stones.
581*: Verdico-----	Poor-----	Rooting depth, droughty.
Chalco-----	Poor-----	Droughty, large stones.
590----- Buffaran	Poor-----	Droughty.
591*: Buffaran-----	Poor-----	Droughty.
Bombadil-----	Poor-----	Droughty, depth to rock, large stones.
Rock outcrop.		
592*: Buffaran-----	Poor-----	Doughty.
Corral-----	Poor-----	Large stones.
610*: Haybourne-----	Poor-----	Too sandy, soil blowing.
Mottsville-----	Poor-----	Droughty, too sandy.
Incy-----	Poor-----	Droughty, too sandy, soil blowing.
611*: Haybourne-----	Fair-----	Too arid, droughty.
Zorravista-----	Poor-----	Droughty, too sandy, soil blowing.
Fulstone-----	Poor-----	Large stones, rooting depth, droughty.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
614----- Haybourne	Poor-----	Too sandy, soil blowing.
615*: Haybourne-----	Fair-----	Too arid, droughty.
Dun Glen-----	Poor-----	Too arid.
616----- Haybourne	Fair-----	Too arid, droughty.
620*: Leviathan-----	Fair-----	Too arid, droughty, large stones.
Barnard-----	Poor-----	Large stones.
621*: Leviathan-----	Fair-----	Too arid, droughty, large stones.
Springmeyer-----	Poor-----	Large stones.
Haybourne-----	Poor-----	Too sandy, soil blowing.
622----- Leviathan	Poor-----	Small stones.
630----- Chappuis	Poor-----	Excess sodium.
702*: Graufels-----	Poor-----	Droughty, too sandy.
Glenbrook-----	Poor-----	Droughty, too sandy.
710*: Thulepah-----	Poor-----	Large stones.
Hutchley-----	Poor-----	Droughty, large stones.
711*: Thulepah-----	Poor-----	Erodes easily, large stones.
Hutchley-----	Poor-----	Droughty, small stones.
Rock outcrop.		
721*: Softscrabble-----	Poor-----	Large stones.
Sumine-----	Poor-----	Large stones, erodes easily.
Hutchley-----	Poor-----	Droughty, large stones.
722*: Softscrabble-----	Poor-----	Large stones.
Bucklake-----	Poor-----	Large stones.
Indiano-----	Poor-----	Large stones.
723*: Softscrabble-----	Poor-----	Large stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
723*: Hutchley-----	Poor-----	Droughty, small stones.
Thulepah-----	Poor-----	Large stones, erodes easily.
725*: Softscrabble-----	Poor-----	Large stones.
Sumine-----	Poor-----	Large stones, erodes easily.
Prunie-----	Poor-----	Large stones.
726*: Softscrabble-----	Poor-----	Large stones.
Dosie-----	Poor-----	Large stones.
Devada-----	Poor-----	Large stones, droughty.
727*: Softscrabble-----	Fair-----	Large stones.
Hart Camp-----	Poor-----	Large stones.
728*: Softscrabble-----	Poor-----	Large stones.
Hutchley-----	Poor-----	Droughty, large stones.
Burnborough-----	Poor-----	Small stones, erodes easily.
729*: Softscrabble-----	Poor-----	Large stones.
Dosie-----	Poor-----	Large stones.
Hutchley-----	Poor-----	Droughty, large stones.
730*: Arzo-----	Poor-----	Large stones.
Indiano-----	Poor-----	Erodes easily.
Barnard-----	Fair-----	Too arid, large stones.
750*: Gitakup-----	Poor-----	Too arid, excess salt, excess sodium.
Tresed-----	Poor-----	Too arid, excess salt, excess sodium.
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
760*: Ganaflan-----	Poor-----	Too arid, excess salt.
Smaug-----	Poor-----	Too arid, excess salt.
Trocken-----	Poor-----	Too arid, droughty.
770*: Tresed-----	Poor-----	Too arid, excess salt, excess sodium.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
770*: Gitakup----- Playas.	Poor-----	Too arid, excess salt, excess sodium.
780*: Chuckles----- Playas.	Poor-----	Too arid, excess salt, excess sodium.
781*: Chuckles----- Ragtown----- Playas.	Poor----- Poor-----	Too arid, excess salt, excess sodium. Too arid, excess salt, excess sodium.
790*: Galeppi----- Barnard-----	Fair----- Fair-----	Too arid, large stones. Too arid, large stones.
800----- Boulder Lake	Fair-----	Too clayey.
810*: Voltaire----- Truckee-----	Poor----- Poor-----	Excess salt. Excess salt.
811*: Voltaire----- Fluvaquents----- Veta-----	Poor----- Poor----- Poor-----	Excess salt. Too sandy, small stones. Droughty.
820*: Horsecamp----- Mahala-----	Fair----- Poor-----	Too clayey, large stones. Large stones.
831----- Kayo	Poor-----	Large stones.
841. Beaches		
850*: Osobb----- Rezave----- Fireball-----	Poor----- Poor----- Poor-----	Too arid, droughty, large stones. Too arid, droughty, large stones. Too arid, droughty, large stones.
890*: Slocave----- Arclay----- Rock outcrop.	Poor----- Poor-----	Too arid, droughty, small stones. Small stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
892*: Slocave-----	Poor-----	Too arid, droughty, small stones.
Singatse-----	Poor-----	Too arid, small stones, depth to rock.
Jaybee-----	Poor-----	Droughty, small stones, depth to rock.
893*: Slocave, 30 to 50 percent slopes-----	Poor-----	Too arid, droughty, large stones.
Slocave, 8 to 30 percent slopes-----	Poor-----	Too arid, droughty, large stones.
Rock outcrop.		
900. Playas		
901*: Dune land.		
Playas.		
910*: Shawave-----	Fair-----	Too arid, small stones.
Deadyon-----	Fair-----	Too arid.
930*: Typic Torriorthents-----	Poor-----	Too arid, excess salt.
Aquic Torriorthents-----	Poor-----	Too arid, excess salt.
940*: Hawsley-----	Poor-----	Too arid, droughty, too sandy.
Hawsley, dry-----	Poor-----	Too arid, droughty, too sandy.
950*: Cleaver-----	Poor-----	Too arid, droughty.
Xeric Torriorthents-----	Poor-----	Droughty, small stones.
972*: Isolde-----	Poor-----	Too arid, too sandy, soil blowing.
Toulon-----	Poor-----	Too arid, droughty, small stones.
1043*: Bluewing-----	Poor-----	Too arid, droughty, small stones.
Trocken-----	Poor-----	Too arid, droughty.
1060*: Trocken-----	Poor-----	Too arid, droughty, small stones.
Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
1061*: Trocken-----	Poor-----	Too arid, droughty, small stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1061*: Bluewing-----	Poor-----	Too arid, droughty, small stones.
1063*: Trocken-----	Poor-----	Too arid, droughty, small stones.
Ganaflan-----	Poor-----	Too arid, excess salt.
Bluewing-----	Poor-----	Too arid, droughty, small stones.
1064*: Trocken, very stony-----	Poor-----	Too arid, droughty, large stones.
Trocken, gravelly-----	Poor-----	Too arid, droughty.
Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
1065*: Trocken-----	Poor-----	Too arid, droughty, large stones.
Ruhe-----	Poor-----	Too arid, droughty, too sandy.
Bluewing-----	Poor-----	Too arid, droughty, large stones.
1067*: Trocken-----	Poor-----	Too arid, droughty.
Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
1068*: Trocken-----	Poor-----	Too arid, droughty.
Hawsley-----	Poor-----	Too arid, droughty, too sandy.
1160*: Glenbrook-----	Poor-----	Droughty, too sandy.
Graufels-----	Poor-----	Droughty, too sandy.
Rock outcrop.		
1190*: Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
Isolde-----	Poor-----	Too arid, too sandy, soil blowing.
1191*: Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
Ragtown, moist-----	Poor-----	Too arid, excess salt, excess sodium.
1192*: Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
Umberland-----	Poor-----	Excess salt, excess sodium, too crusty.
Ragtown, dry-----	Poor-----	Too arid, excess salt, excess sodium.
1194*: Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
Swingler-----	Poor-----	Too arid, excess salt.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1194*: Benin-----	Poor-----	Too arid, excess salt, excess sodium.
1200*: Dosie-----	Poor-----	Large stones.
Devada-----	Poor-----	Large stones, droughty.
1201*: Dosie-----	Poor-----	Large stones.
Rubble land.		
1220*: Ceejay-----	Poor-----	Droughty, large stones.
Pickup-----	Poor-----	Large stones.
1221----- Ceejay	Poor-----	Droughty.
1222*: Ceejay-----	Poor-----	Droughty.
Verdico-----	Poor-----	Large stones, rooting depth, droughty.
Chalco-----	Poor-----	Droughty, large stones.
1230*: Singatse-----	Poor-----	Too arid, small stones, depth to rock.
Jaybee-----	Poor-----	Droughty, small stones, depth to rock.
1240*: Labkey-----	Poor-----	Too arid, droughty.
Mazuma-----	Poor-----	Too arid, excess salt.
1250*: Jerval-----	Poor-----	Too arid, excess salt, excess sodium.
Dorper-----	Poor-----	Too arid, small stones, excess salt.
1251*: Jerval, 2 to 8 percent slopes	Poor-----	Too arid, excess salt, excess sodium.
Jerval, 8 to 30 percent slopes-----	Poor-----	Too arid, excess salt, excess sodium.
Kumiva-----	Poor-----	Too arid.
1254*: Jerval silt loam-----	Poor-----	Too arid, excess salt, excess sodium.
Trocken-----	Poor-----	Too arid, droughty, large stones.
Jerval, bouldery-----	Poor-----	Too arid, excess salt, excess sodium.
1255*: Jerval-----	Poor-----	Too arid, excess salt, excess sodium.
Veta-----	Poor-----	Droughty, small stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1260*: Sojur-----	Poor-----	Too arid, droughty, small stones.
Phliss-----	Poor-----	Droughty, large stones.
1270----- Deadyon	Fair-----	Too arid.
1290*: Hutchley-----	Poor-----	Droughty, small stones.
Terca-----	Poor-----	Droughty, small stones.
1310*: Hooplite-----	Poor-----	Droughty, small stones, depth to rock.
Singatse-----	Poor-----	Too arid, small stones, depth to rock.
1320*: Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
Theon-----	Poor-----	Too arid, droughty, small stones.
Singatse-----	Poor-----	Too arid, large stones, depth to rock.
1340----- Phing	Poor-----	Rooting depth, small stones.
1360*: Mastly-----	Fair-----	Too arid.
Mazuma-----	Poor-----	Too arid, excess salt, excess sodium.
1370*: Theon-----	Poor-----	Too arid, droughty, large stones.
Jaybee-----	Poor-----	Large stones, droughty, depth to rock.
1372*: Theon-----	Poor-----	Too arid, droughty, small stones.
Old Camp-----	Poor-----	Small stones, droughty.
1373*: Theon-----	Poor-----	Too arid, droughty, small stones.
Trocken-----	Poor-----	Too arid, droughty.
Singatse-----	Poor-----	Too arid, small stones, depth to rock.
1392*: Ninemile-----	Poor-----	Droughty, large stones.
Newlands-----	Fair-----	Large stones.
1401*: Dedmount-----	Poor-----	Too arid, excess sodium.
Umberland-----	Poor-----	Excess salt, excess sodium.
1410----- Juva	Poor-----	Too arid.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1420*: Perwaso, occasionally flooded	Poor-----	Too arid, excess salt, excess sodium.
Perwaso, rarely flooded-----	Poor-----	Too arid, excess salt, excess sodium.
1430*: Slaw, rarely flooded-----	Poor-----	Too arid, excess salt, excess sodium.
Slaw, occasionally flooded---	Poor-----	Too arid, excess salt, excess sodium.
1440----- Umberland	Poor-----	Excess salt, excess sodium.
1442*: Umberland-----	Poor-----	Excess salt, excess sodium.
Benin-----	Poor-----	Excess salt, excess sodium, too arid.
1443*: Umberland silt loam-----	Poor-----	Excess salt, excess sodium, too crusty.
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
Umberland, ponded-----	Poor-----	Excess salt, excess sodium.
1444----- Umberland	Poor-----	Excess salt, excess sodium.
1445*: Umberland-----	Poor-----	Excess salt, excess sodium.
Playas.		
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
1446*: Umberland, ponded-----	Poor-----	Excess salt, excess sodium.
Umberland, unponded-----	Poor-----	Excess salt, excess sodium, too crusty.
1447*: Dedmount-----	Poor-----	Too arid, excess sodium.
Umberland, unponded-----	Poor-----	Excess salt, excess sodium, too crusty.
Umberland, ponded-----	Poor-----	Excess salt, excess sodium.
1460*: Chalco-----	Poor-----	Small stones, rooting depth, droughty.
Chalco, dry-----	Poor-----	Small stones, rooting depth, droughty.
1461*: Chalco very gravelly clay loam-----	Poor-----	Small stones, rooting depth, droughty.
Chalco very gravelly loam----	Poor-----	Small stones, rooting depth, droughty.
Pickup-----	Poor-----	Large stones.
1470*: Squawval-----	Fair-----	Erodes easily.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1470*: Hutchley-----	Poor-----	Droughty, erodes easily.
Tosp-----	Good.	
1480*: Eaglerock-----	Poor-----	Droughty, large stones.
Wagore-----	Poor-----	Erodes easily.
1490*: Berit-----	Poor-----	Large stones, droughty.
Deanran-----	Poor-----	Droughty, large stones, depth to rock.
Rock outcrop.		
1491*: Berit-----	Poor-----	Large stones, droughty.
Noslo-----	Poor-----	Droughty, large stones.
Rock outcrop.		
1500*: Hastee-----	Poor-----	Large stones.
Granipeak-----	Poor-----	Large stones.
Rock outcrop.		
1510----- Greenbrae	Fair-----	Too arid.
1520*: Kaffur-----	Poor-----	Droughty, large stones, depth to rock.
Slocave-----	Poor-----	Too arid, droughty, large stones.
Rock outcrop.		
1530*: Coppereid, eroded-----	Poor-----	Droughty, depth to rock, small stones.
Coppereid, uneroded-----	Poor-----	Droughty, depth to rock, small stones.
Kreza-----	Poor-----	Droughty, depth to rock.
1540*: Foxcan-----	Poor-----	Droughty, small stones, depth to rock.
Sojur-----	Poor-----	Too arid, droughty, small stones.
Rock outcrop.		
1550*: Wylo-----	Poor-----	Droughty, large stones.
Ister-----	Poor-----	Large stones.
1552*: Wylo-----	Poor-----	Droughty, large stones.

See footnote at end of table.

TABLE 5.--RANGELAND SEEDING--Continued

Map symbol and soil name	Suitability rating	Restrictive features
1552*: Bucklake-----	Poor-----	Large stones.
1560*: Manogue-----	Poor-----	Large stones.
Ceejay-----	Poor-----	Droughty, large stones, rooting depth.
1570----- Espil	Poor-----	Droughty, rooting depth, cemented pan.
1580*: Trocken-----	Poor-----	Too arid, droughty, small stones.
Ganaflan-----	Poor-----	Too arid, excess salt.
Bluewing-----	Poor-----	Too arid, droughty, small stones.
1581*: Trocken-----	Poor-----	Too arid, droughty, large stones.
Mazuma-----	Poor-----	Too arid, excess salt.
Hawsley-----	Poor-----	Too arid, droughty, too sandy.
1590*: Typic Torriorthents-----	Poor-----	Too arid, droughty, too sandy.
Ragtown-----	Poor-----	Too arid, excess salt, excess sodium.
1600----- Dithod	Fair-----	Too arid.
1601*: Dithod-----	Fair-----	Too arid.
Fluvaquents-----	Poor-----	Too sandy, small stones.
1620*: Mazuma, 4 to 8 percent slopes	Poor-----	Too arid, excess salt.
Mazuma, 0 to 4 percent slopes	Poor-----	Too arid, excess salt.
Hawsley-----	Poor-----	Too arid, droughty, too sandy.
1621*: Mazuma fine sandy loam-----	Poor-----	Too arid, excess salt.
Mazuma loam, clayey substratum-----	Poor-----	Too arid, excess salt.
1630*: Veta-----	Poor-----	Droughty, small stones.
Mazuma-----	Poor-----	Too arid, excess salt.
Mazuma, moderately saline----	Poor-----	Too arid, excess salt, excess sodium.

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

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS

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

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
120*: Home Camp-----	Severe: slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Newlands-----	Severe: slope.	Severe: slope.	Fair: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, piping.
131*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Hart Camp-----	Severe: depth to rock.	Moderate: depth to rock, shrink-swell, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
133*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Softscrabble----	Severe: slope.	Severe: slope.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
134*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Dosie-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, large stones.
Softscrabble----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
135*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Hart Camp-----	Severe: depth to rock.	Moderate: depth to rock, shrink-swell, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
136*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
137*: Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Rock outcrop.						
138*: Devada-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
150*: Skedaddle-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
150*: Rock outcrop.						
151*: Skedaddle-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
160*: Dun Glen-----	Slight-----	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Davey-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
Hawsley-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
170*: Zorravista-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Davey-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
171----- Zorravista	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
172*: Zorravista-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Swingler-----	Moderate: wetness.	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
181*: Tunnison-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
182*: Tunnison, cobbly-	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Rubble land-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: large stones.	Improbable: small stones, large stones.	Improbable: large stones.	Severe: seepage, large stones.
Tunnison, very cobbly-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
183*: Tunnison, very cobbly-----	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Tunnison, cobbly-	Severe: depth to rock, cutbanks cave.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
190*: Swingler fine sandy loam-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Swingler loamy sand-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
193*: Swingler-----	Slight-----	Moderate: shrink-swell, low strength.	Fair: shrink-swell, low strength, thin layer.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
200*: Churchill-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
Swingler-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
210*: Veta-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Probable-----	Probable-----	Severe: seepage.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
210*: Langston-----	Severe: cutbanks cave.	Moderate: slope, frost action.	Good-----	Probable-----	Probable-----	Severe: seepage.
212*: Veta-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Probable-----	Probable-----	Severe: seepage.
Trocken-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
220----- Cewat	Severe: depth to rock.	Moderate: depth to rock, slope, large stones.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
241*: Benin, rarely flooded-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Benin, ocasionally flooded-----	Moderate: too clayey, flooding.	Severe: shrink-swell, low strength, flooding.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
250*: Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Jaybee-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
251*: Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Jaybee-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
258*: Old Camp-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
261*: Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
262*: Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
264*: Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
271*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
271*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
272*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Manogue-----	Severe: cutbanks cave, slope.	Severe: shrink-swell, low strength, slope.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
273*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
274*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
279*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
280*: Bombadil-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
280*: Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
282*: Bombadil-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Hefed-----	Severe: cutbanks cave, slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Rubble land-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: large stones, slope.	Improbable: small stones, large stones.	Improbable: large stones.	Severe: seepage, large stones.
283*: Bombadil-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Ceejay-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
284*: Bombadil-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Corral-----	Severe: depth to rock.	Moderate: depth to rock, shrink-swell, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
310*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
312*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
312*: Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
313*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bombadil-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
314*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Oppio-----	Severe: depth to rock, slope.	Severe: shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Old Camp-----	Severe: depth to rock, large stones, slope.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
315*: Jaybee-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bombadil-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
316*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Manogue-----	Severe: cutbanks cave.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
316*: Fulstone-----	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
317*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Corral-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Oppio-----	Severe: depth to rock.	Severe: shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
318*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
330*: Hart Camp-----	Severe: depth to rock.	Moderate: depth to rock, shrink-swell, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
340*: Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Rock outcrop.						
344*: Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Ister-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
362----- Brubeck	Severe: depth to rock, cutbanks cave.	Severe: low strength, shrink-swell.	Poor: depth to rock, low strength.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, hard to pack.
370*: Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Softscrabble----- Rock outcrop.	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
371*: Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Devada----- Rock outcrop.	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
372*: Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
373*: Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Softscrabble-----	Severe: slope.	Severe: slope.	Poor: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Devada-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
374*: Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
374*: Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
420*: Fulstone-----	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
421*: Fulstone-----	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
Chalco-----	Severe: depth to rock.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
422----- Fulstone	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
441*: Rezave-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, thin layer.
Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
460*: Chill-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
491----- Oppio	Severe: depth to rock.	Severe: shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
500----- Smaug	Slight-----	slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
510*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bombadil-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
511*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Corral-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rubble land-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: large stones, slope.	Improbable: small stones, large stones.	Improbable: large stones.	Severe: seepage, large stones.
513*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
515*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Reywat-----	Severe: depth to rock, slope.	Severe: depth to rock, low strength, slope.	Poor: depth to rock, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
517*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Softscrabble-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Devada-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
518*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Wylo-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
540*: Mazuma loamy fine sand-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma fine sandy loam-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
541----- Mazuma	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
542*: Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
543*: Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
543*: Swingler-----	Slight-----	Moderate: shrink-swell, low strength.	Fair: shrink-swell, low strength, thin layer.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
545*: Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Davey-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
Mazuma, moderately saline-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
546*: Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma, moderately saline-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
547, 548----- Mazuma	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
549*: Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Smaug-----	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
560*: Toulon-----	Severe: cutbanks cave.	Moderate: large stones.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Hawsley-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
561*: Toulon-----	Severe: cutbanks cave.	Moderate: large stones.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage, large stones.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
561*: Troocken-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
580*: Verdico-----	Severe: slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
Corral-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
581*: Verdico-----	Severe: slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
Chalco-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
590----- Buffaran	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
591*: Buffaran-----	Severe: cemented pan, slope.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Bombadil-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
592*: Buffaran-----	Severe: cemented pan, slope.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Corral-----	Severe: depth to rock.	Moderate: depth to rock, shrink-swell, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
610*: Haybourne-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
610*: Mottsville-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Incy-----	Severe: cutbanks cave, slope.	Severe: slope.	Fair: slope.	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
611*: Haybourne-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
Zorravista-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Fulstone-----	Severe: cemented pan.	Severe: cemented pan, shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
614----- Haybourne	Severe: cutbanks cave.	Moderate: slope, flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
615*: Haybourne-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
Dun Glen-----	Slight-----	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
616----- Haybourne	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
620*: Leviathan-----	Moderate: slope.	Moderate: slope, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
Barnard-----	Severe: cemented pan.	Severe: shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
621*: Leviathan-----	Moderate: slope.	Moderate: slope, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
Springmeyer-----	Severe: cutbanks cave.	Moderate: shrink-swell, frost action.	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Slight.
Haybourne-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
622----- Leviathan	Slight-----	Moderate: frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
630----- Chappuis	Moderate: wetness.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
702*: Graufels-----	Severe: cutbanks cave, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, thin layer.
Glenbrook-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: thin layer.	Improbable: too sandy.	Severe: seepage, thin layer.
710*: Thulepah-----	Severe: slope.	Severe: slope.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Slight.
Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
711*: Thulepah-----	Severe: slope.	Severe: slope.	Poor: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Slight.
Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: thin layer.
Rock outcrop.						
721*: Softscrabble-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Sumine-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
722*: Softscrabble-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
722*: Indiano-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
723*: Softscrabble----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Hutchley-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: thin layer.
Thulepah-----	Severe: slope.	Severe: slope.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Slight.
725*: Softscrabble----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Sumine-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Prunie-----	Moderate: depth to rock, too clayey, slope.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
726*: Softscrabble----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Dosie-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, large stones.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
727*: Softscrabble----	Severe: slope.	Severe: slope.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Hart Camp-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
728*: Softscrabble----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
728*: Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Burnborough-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: large stones.
729*: Softscrabble-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: low strength, large stones, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Dosie-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, large stones.
Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
730*: Arzo-----	Severe: slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Indiano-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Barnard-----	Severe: cemented pan.	Severe: shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
750*: Gitakup-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess salt.
Tresed-----	Severe: cutbanks cave.	Severe: shrink-swell, low strength.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
760*: Ganaflan-----	Severe: cutbanks cave.	Slight-----	Poor: depth to rock.	Probable-----	Probable-----	Severe: piping.
Smaug-----	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Trocken-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
770*: Tresed-----	Severe: cutbanks cave.	Severe: shrink-swell, low strength.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
Gitakup-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess salt.
Playas-----	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.
780*: Chuckles-----	Moderate: too clayey.	Moderate: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
Playas-----	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.
781*: Chuckles-----	Moderate: too clayey.	Moderate: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
Playas-----	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.
790*: Galeppi-----	Severe: cutbanks cave.	Moderate: shrink-swell, slope, frost action.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Barnard-----	Severe: cemented pan.	Severe: shrink-swell, low strength.	Poor: cemented pan, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
800----- Boulder Lake	Severe: cutbanks cave, ponding.	Severe: shrink-swell, low strength, ponding.	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding.
810*: Voltaire-----	Severe: cutbanks cave, wetness.	Severe: low strength, wetness, flooding.	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: wetness, excess salt.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
810*: Truckee-----	Severe: wetness.	Severe: frost action.	Fair: shrink-swell, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
811*: Voltaire-----	Severe: cutbanks cave.	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Moderate: piping.
Fluvaquents-----	Severe: cutbanks cave, wetness.	Severe: wetness, flooding, frost action.	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, wetness.
Veta-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Probable-----	Probable-----	Severe: seepage.
820*: Horsecamp-----	Severe: cutbanks cave.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, hard to pack.
Mahala-----	Moderate: depth to rock, too clayey.	Severe: shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
831----- Kayo	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Probable-----	Probable-----	Severe: seepage.
841*----- Beaches	Severe: cutbanks cave, wetness.	Severe: wetness, flooding.	Poor: wetness.	Probable-----	Probable-----	Severe: seepage, wetness.
850*: Osobb-----	Severe: depth to rock, cemented pan, large stones.	Severe: depth to rock, slope, large stones.	Poor: depth to rock, large stones, slope.	Improbable: large stones.	Improbable: large stones.	Severe: seepage, large stones, thin layer.
Rezave-----	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, thin layer.
Fireball-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: large stones.
890*: Slocave-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Arclay-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
892*: Slocave-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Singatse-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
893*: Slocave, 30 to 50 percent slopes--	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Slocave, 8 to 30 percent slopes--	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
900*----- Playas	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.
901*: Dune land-----	Severe: cutbanks cave, slope.	Severe: slope.	Fair: slope.	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Playas-----	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.
910*: Shawave-----	Severe: cutbanks cave.	Moderate: frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, piping.
Deadyon-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
930*: Typic Torriorthents---	Severe: cutbanks cave.	Moderate: shrink-swell.	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Aquic Torriorthents---	Severe: cutbanks cave.	Severe: frost action.	Fair: shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
940*: Hawsley-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Hawsley, dry-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
950*: Cleaver-----	Severe: cemented pan, cutbanks cave.	Severe: cemented pan.	Poor: cemented pan.	Improbable: small stones.	Probable-----	Severe: seepage, thin layer.
Xeric Torriorthents---	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
972*: Isolde-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
Toulon-----	Severe: cutbanks cave.	Moderate: large stones.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage.
1043*: Bluewing-----	Severe: cutbanks cave.	Severe: flooding.	Good-----	Probable-----	Probable-----	Severe: seepage.
Trocken-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
1060*: Trocken-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
1061*: Trocken-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Bluewing-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Probable-----	Probable-----	Severe: seepage.
1063*: Trocken-----	Severe: cutbanks cave.	Moderate: slope, flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Ganaflan-----	Severe: cutbanks cave.	Moderate: slope.	Poor: depth to rock.	Probable-----	Probable-----	Severe: piping.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1063*: Bluewing-----	Severe: cutbanks cave.	Moderate: slope, flooding.	Good-----	Probable-----	Probable-----	Severe: seepage.
1064*: Trocken, very stony-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Trocken, gravelly	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
1065*: Trocken-----	Severe: cutbanks cave.	Moderate: slope, flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Ruhe-----	Severe: depth to rock, cutbanks cave.	Moderate: depth to rock, slope.	Poor: depth to rock.	Probable-----	Probable-----	Severe: seepage, thin layer.
Bluewing-----	Severe: cutbanks cave.	Moderate: slope, flooding, large stones.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage.
1067*: Trocken-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
1068*: Trocken-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Hawsley-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
1160*: Glenbrook-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: thin layer.	Improbable: too sandy.	Severe: seepage, thin layer.
Graufels-----	Severe: cutbanks cave, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, thin layer.
Rock outcrop.						

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1190*: Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
Isolde-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
1191*: Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
Ragtown, moist---	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
1192*: Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
Umberland-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
Ragtown, dry----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess sodium, excess salt.
1194*: Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
Swingler-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Benin-----	Moderate: too clayey, flooding.	Severe: shrink-swell, low strength, flooding.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
1200*: Dosie-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, large stones.
Devada-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1201*: Dodie-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, large stones.
Rubble land-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: large stones, slope.	Improbable: small stones, large stones.	Improbable: large stones.	Severe: seepage, large stones.
1220*: Ceejay-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1221----- Ceejay	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1222*: Ceejay-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Verdico-----	Severe: slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, thin layer.
Chalco-----	Severe: depth to rock, slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1230*: Singatse-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1240*: Labkey-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Probable-----	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1250*: Jerval-----	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium, excess salt.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1250*: Dorper-----	Slight-----	Slight-----	Good-----	Improbable: small stones.	Probable-----	Severe: seepage, excess sodium, excess salt.
1251*: Jerval, 2 to 8 percent slopes--	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium, excess salt.
Jerval, 8 to 30 percent slopes--	Severe: slope.	Severe: slope.	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium, excess salt.
Kumiva-----	Severe: cutbanks cave.	Moderate: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1254*: Jerval silt loam-	Moderate: slope.	Moderate: slope.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium, excess salt.
Trocken-----	Severe: cutbanks cave.	Moderate: slope, flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Jerval, bouldery-	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium, excess salt.
1255*: Jerval-----	Slight-----	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, excess sodium excess salt.
Veta-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage.
1260*: Sojur-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Phliss-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1270----- Deadyon	Severe: cutbanks cave.	Moderate: flooding, frost action.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1290*: Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: thin layer.
Terca-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1310*: Hooplite-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Singatse-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1320*: Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Singatse-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1340----- Phing	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Probable-----	Severe: seepage.
1360*: Mastly-----	Severe: cutbanks cave.	Severe: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
1370*: Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Jaybee-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
1372*: Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1372*: Old Camp-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
1373*: Theon-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Trocken-----	Severe: cutbanks cave.	Moderate: slope, flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Singatse-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1392*: Ninemile-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell, low strength.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Newlands-----	Moderate: depth to rock, slope.	Moderate: shrink-swell, low strength, slope.	Fair: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, piping.
1401*: Dedmount-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Umberland-----	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
1410----- Juva	Severe: cutbanks cave.	Severe: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1420*: Perwaso, occasionally flooded-----	Severe: cutbanks cave.	Severe: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.
Perwaso, rarely flooded-----	Severe: cutbanks cave.	Moderate: shrink-swell, flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1430*: Slaw, rarely flooded-----	Slight-----	Severe: low strength.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess salt.
Slaw, occasionally flooded-----	Moderate: too clayey, flooding.	Severe: low strength, flooding.	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess salt.
1440----- Umberland	Moderate: too clayey, wetness, flooding.	Severe: shrink-swell, low strength, flooding.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
1442*: Umberland-----	Moderate: too clayey, wetness, flooding.	Severe: shrink-swell, low strength, flooding.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
Benin-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
1443*: Umberland silt loam-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
Umberland, ponded	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
1444----- Umberland	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
1445*: Umberland-----	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
Playas-----	Severe: ponding.	Severe: low strength, ponding.	Poor: low strength, wetness, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, ponding, excess salt.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1445*: Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
1446*: Umberland, ponded	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
Umberland, unponded-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
1447*: Dedmount-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Umberland, unponded-----	Moderate: too clayey, wetness.	Severe: shrink-swell, low strength, frost action.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: excess sodium, excess salt.
Umberland, ponded	Severe: ponding.	Severe: shrink-swell, low strength, ponding.	Poor: shrink-swell, low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: ponding, excess sodium, excess salt.
1460*: Chalco-----	Severe: depth to rock, slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Chalco, dry-----	Severe: depth to rock, slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1461*: Chalco very gravelly clay loam-----	Severe: depth to rock, slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Chalco very gravelly loam---	Severe: depth to rock, slope.	Severe: shrink-swell, low strength, slope.	Poor: depth to rock, shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1461*: Pickup-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1470*: Squawval-----	Severe: slope.	Severe: slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Moderate: thin layer, piping.
Hutchley-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: thin layer.
Tosp-----	Severe: slope.	Severe: slope.	Fair: depth to rock, thin layer, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
1480*: Eaglerock-----	Severe: slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Wagore-----	Severe: slope.	Severe: slope.	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
1490*: Berit-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Deanran-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
1491*: Berit-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
Noslo-----	Severe: slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
1500*: Hastee-----	Severe: cutbanks cave, large stones, slope.	Severe: slope, large stones.	Poor: large stones, slope.	Improbable: large stones.	Improbable: too sandy, large stones.	Severe: seepage, large stones.
Granipeak-----	Severe: large stones, slope.	Severe: slope, large stones.	Poor: large stones, slope.	Improbable: excess fines, large stones.	Improbable: excess fines, large stones.	Severe: large stones.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1500*: Rock outcrop.						
1510----- Greenbrae	Severe: cutbanks cave.	Moderate: shrink-swell, low strength, slope.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1520*: Kaffur-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Slocave-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
1530*: Coppereid, eroded	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Coppereid, uneroded-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Kreza-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1540*: Foxcan-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Sojur-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Rock outcrop.						
1550*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
Ister-----	Severe: depth to rock, slope.	Severe: slope.	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones, thin layer.
1552*: Wylo-----	Severe: depth to rock, slope.	Severe: depth to rock, shrink-swell, slope.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1552*: Bucklake-----	Severe: depth to rock, slope.	Severe: low strength, slope, shrink-swell.	Poor: depth to rock, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1560*: Manogue-----	Severe: cutbanks cave.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack.
Ceejay-----	Severe: depth to rock.	Severe: depth to rock, shrink-swell.	Poor: depth to rock, shrink-swell.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1570----- Espil	Severe: cemented pan.	Severe: cemented pan.	Poor: cemented pan.	Improbable: excess fines.	Improbable: excess fines.	Severe: thin layer.
1580*: Trocken-----	Severe: cutbanks cave.	Moderate: slope, flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage.
Ganaflan-----	Severe: cutbanks cave.	Moderate: slope.	Poor: depth to rock.	Probable-----	Probable-----	Severe: piping.
Bluewing-----	Severe: cutbanks cave.	Moderate: slope, flooding.	Good-----	Probable-----	Probable-----	Severe: seepage.
1581*: Trocken-----	Severe: cutbanks cave.	Moderate: flooding, large stones.	Fair: large stones.	Improbable: excess fines.	Improbable: excess fines.	Severe: large stones.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Hawsley-----	Severe: cutbanks cave.	Slight-----	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
1590*: Typic Torriorthents---	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Probable-----	Severe: seepage, piping.
Ragtown-----	Moderate: too clayey.	Severe: shrink-swell, low strength.	Poor: shrink-swell, low strength.	Improbable: excess fines.	Improbable: excess fines.	Severe: hard to pack, excess salt.
1600----- Dithod	Severe: cutbanks cave.	Severe: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1601*: Dithod-----	Severe: cutbanks cave.	Severe: flooding.	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.

See footnote at end of table.

TABLE 6.--BUILDING SITE DEVELOPMENT AND CONSTRUCTION MATERIALS--Continued

Soil name and map symbol	Shallow excavations	Local roads and streets	Roadfill	Sand	Gravel	Embankments, dikes, and levees
1601*: Fluvaquents-----	Severe: cutbanks cave, wetness.	Severe: wetness, flooding, frost action.	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Severe: seepage, wetness.
1620*: Mazuma, 4 to 8 percent slopes--	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma, 0 to 4 percent slopes--	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Hawsley-----	Severe: cutbanks cave.	Moderate: slope.	Good-----	Probable-----	Improbable: too sandy.	Severe: seepage, piping.
1621*: Mazuma fine sandy loam-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma loam, clayey substratum-----	Severe: cutbanks cave.	Slight-----	Fair: thin layer.	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
1630*: Veta-----	Severe: cutbanks cave.	Moderate: flooding, frost action.	Fair: large stones.	Probable-----	Probable-----	Severe: seepage.
Mazuma-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping.
Mazuma, moderately saline-----	Severe: cutbanks cave.	Slight-----	Good-----	Improbable: excess fines.	Improbable: excess fines.	Severe: piping, excess sodium, excess salt.

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

TABLE 7.--ENGINEERING INDEX PROPERTIES

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

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
120*: Home Camp-----	0-6	Stony loam-----	GM-GC, GC	A-4, A-6	15-25	60-70	55-65	45-60	35-50	20-30	5-15
	6-15	Very gravelly sandy clay loam, very cobbly clay loam.	GC, SC	A-2, A-6	20-40	45-70	40-65	35-60	25-45	30-40	15-25
	15-26	Very gravelly clay, very cobbly sandy clay.	GC, CH, CL, SC	A-7, A-2	15-35	45-70	40-65	35-60	25-55	45-55	30-40
	26	Weathered bedrock	---	---	---	---	---	---	---	---	---
Newlands-----	0-8	Stony loam-----	SM, SM-SC, ML, CL-ML	A-4	5-20	80-90	70-80	60-75	40-70	15-30	NP-10
	8-41	Clay loam, gravelly clay loam, sandy clay loam.	CL, SC	A-6	0-5	75-95	60-90	50-80	40-70	25-40	10-20
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
131*: Devada-----	0-2	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	2-12	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hart Camp-----	0-3	Very stony loam	ML	A-4	10-40	85-95	60-90	60-80	50-65	25-30	NP-5
	3-13	Gravelly loam, gravelly sandy clay loam, gravelly clay loam.	SC	A-2, A-6	0-10	70-80	50-75	45-65	30-50	30-40	10-20
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
Tunnison-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
133*: Devada-----	0-4	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tunnison-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-24	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	24-34	Weathered bedrock	---	---	---	---	---	---	---	---	---
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
133*: Softscrabble----	0-20	Stony loam-----	CL-ML, SM-SC	A-4	5-15	80-90	75-85	60-70	45-55	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
134*: Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Dosie-----	0-5	Very stony loam	GM-GC	A-2	10-30	55-65	40-55	35-45	25-35	20-30	5-10
	5-41	Very gravelly clay loam, very gravelly clay.	GC	A-2	15-30	45-65	35-60	30-40	20-30	40-55	20-25
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
135*: Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hart Camp-----	0-3	Stony loam-----	ML	A-4	10-40	85-95	60-90	60-80	50-65	25-30	NP-5
	3-13	Gravelly loam, gravelly sandy clay loam, gravelly clay loam.	SC	A-2, A-6	0-10	70-80	50-75	45-65	30-50	30-40	10-20
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
136*: Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
136*: Tunnison-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
137*: Devada-----	0-4	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tunnison-----	0-1	Extremely stony clay.	CH	A-7	30-65	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
138*: Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tunnison-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
150*: Skedaddle-----	0-5	Very stony loam	GC, SC	A-2, A-6	30-50	60-80	50-70	40-60	30-45	25-35	10-15
	5-8	Weathered bedrock	---	---	---	---	---	---	---	---	---
	8-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
150*: Old Camp-----	0-2	Extremely stony loam.	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
151*: Skedaddle-----	0-5	Very stony loam	GC, SC	A-2, A-6	30-50	60-80	50-70	40-60	30-45	25-35	10-15
	5-8	Weathered bedrock	---	---	---	---	---	---	---	---	---
	8-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
160*: Dun Glen-----	0-4	Very fine sandy loam.	ML	A-4	0	95-100	90-100	80-95	50-65	15-25	NP-5
	4-11	Silt loam, very fine sandy loam.	ML	A-4	0	95-100	90-100	85-100	55-70	15-25	NP-5
	11-60	Fine sandy loam, very fine sandy loam.	SM	A-4	0	90-100	85-100	70-85	35-50	15-25	NP-5
Davey-----	0-4	Loamy fine sand	SM	A-2	0	95-100	95-100	80-100	20-35	---	NP
	4-17	Fine sandy loam, sandy loam.	SM	A-2	0	90-100	85-100	60-75	20-35	---	NP
	17-42	Loamy fine sand, loamy sand.	SM	A-2	0	90-100	85-100	70-95	15-30	---	NP
	42-60	Silt loam-----	ML	A-4	0	95-100	85-100	60-75	55-70	---	NP
Hawsley-----	0-8	Loamy sand-----	SM	A-2	0	100	90-100	60-75	20-35	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
170*: Zorravista-----	0-3	Fine sand-----	SP-SM, SM	A-2, A-3	0	100	100	75-90	5-20	---	NP
	3-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	100	65-80	5-30	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
170*: Davey-----	0-4	Loamy fine sand	SM	A-2	0	95-100	95-100	80-100	20-35	---	NP
	4-17	Fine sandy loam, sandy loam.	SM	A-2	0	90-100	85-100	60-75	20-35	---	NP
	17-42	Loamy fine sand, loamy sand.	SM	A-2	0	90-100	85-100	70-95	15-30	---	NP
	42-60	Silt loam-----	ML	A-4	0	95-100	85-100	60-75	55-70	---	NP
171----- Zorravista	0-4	Sand-----	SP-SM, SM	A-2, A-3	0	100	100	55-65	5-15	---	NP
	4-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	100	65-80	5-30	---	NP
172*: Zorravista-----	0-4	Fine sand-----	SP-SM, SM	A-2, A-3	0	100	100	75-90	5-20	---	NP
	4-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	100	65-80	5-30	---	NP
Swingler-----	0-6	Sandy loam-----	SM, SM-SC	A-2	0	100	95-100	55-70	20-35	15-30	NP-10
	6-60	Stratified sandy loam to silty clay loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	85-95	25-40	5-15
181*: Tunnison-----	0-1	Cobbly clay-----	CH	A-7	15-40	85-95	80-90	75-90	65-90	60-70	35-45
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
182*: Tunnison, cobbly	0-1	Cobbly clay-----	CH	A-7	15-40	85-95	80-90	75-90	65-90	60-70	35-45
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rubble land-----	0-60	Fragmental material.	GP	A-1	75-90	0-10	0-5	0-5	0	---	NP
Tunnison, very cobbly-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
183*: Tunnison, very cobbly-----	0-1	Very cobbly clay	CH	A-7	40-50	75-90	70-85	65-85	60-85	60-75	40-50
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
183*: Tunnison, cobbly	0-1	Cobbly clay-----	CH	A-7	15-40	85-95	80-90	75-90	65-90	60-70	35-45
	1-31	Clay-----	CH	A-7	0	100	100	95-100	90-95	60-75	40-50
	31-38	Weathered bedrock	---	---	---	---	---	---	---	---	---
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
190*: Swingler fine sandy loam-----	0-6	Fine sandy loam	SM	A-2	0	100	90-100	65-80	20-35	---	NP
	6-60	Stratified sandy loam to silt loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	85-95	25-35	5-15
Swingler loamy sand-----	0-4	Loamy sand-----	SM	A-2	0	95-100	95-100	50-70	10-25	---	NP
	4-60	Stratified sandy loam to silt loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	85-95	25-35	5-15
193*: Swingler-----	0-6	Silt loam-----	CL-ML, ML	A-4	0	100	100	95-100	80-95	25-35	5-10
	6-19	Loam-----	CL-ML, CL	A-4, A-6	0	100	100	95-100	75-85	25-35	5-15
	19-60	Silt loam, very fine sandy loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	75-80	25-35	5-15
	60-70	Stratified silty clay loam to silty clay.	CL, CH, MH	A-7	0	100	100	95-100	85-95	45-55	20-25
Ragtown-----	0-10	Clay loam-----	CL	A-6	0	95-100	95-100	90-100	70-80	35-40	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
200*: Churchill-----	0-2	Very gravelly sandy loam.	SM	A-1, A-2	0	85-100	35-50	25-40	15-30	---	NP
	2-21	Gravelly silty clay loam, gravelly silty clay, gravelly clay.	CL	A-7	0	80-90	60-75	55-70	55-70	40-50	20-25
	21-60	Silty clay-----	CL, CH	A-7	0	90-100	85-100	80-100	80-95	45-60	20-30
Swingler-----	0-6	Fine sandy loam	SM	A-2	0	100	90-100	65-80	20-35	---	NP
	6-60	Stratified sandy loam to silt loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	85-95	25-35	5-15

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
210*: Veta-----	0-6	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	45-55	20-35	---	NP
	6-18	Extremely gravelly loam, very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	10-30	40-55	30-50	20-40	15-30	---	NP
	18-60	Stratified extremely gravelly loamy sand to very gravelly loam.	GP-GM, GM	A-1	10-25	30-55	20-50	15-35	5-20	---	NP
Langston-----	0-4	Gravelly loam----	ML	A-4	0-10	80-90	60-75	55-65	50-60	20-30	NP-5
	4-20	Sandy clay loam, gravelly clay loam, gravelly loam.	SC, CL, GC	A-2, A-6	0-10	60-85	50-80	35-60	25-55	30-40	10-20
	20-60	Stratified gravelly sand to extremely gravelly coarse sand.	GP, GW	A-1	10-25	10-40	5-25	0-15	0-5	---	NP
212*: Veta-----	0-6	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	45-55	20-35	---	NP
	6-18	Extremely gravelly loam, very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	10-30	40-55	30-50	20-40	15-30	---	NP
	18-60	Stratified extremely gravelly loamy sand to very gravelly loam.	GP-GM, GM	A-1	10-25	30-55	20-50	15-35	5-20	---	NP
Troocken-----	0-3	Gravelly sandy loam.	SM, GM	A-2	0-5	60-80	55-75	40-50	25-35	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
220----- Cewat	0-2	Very stony fine sandy loam.	SM-SC, GM-GC	A-2, A-4	10-30	60-85	50-75	40-60	25-45	20-25	5-10
	2-30	Very gravelly loam, extremely gravelly loam.	SM-SC, SC, GM-GC, GC	A-2	10-30	30-70	15-55	10-40	10-35	25-35	5-15
	30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
241*: Benin, rarely flooded-----	0-8	Silty clay loam	CL, ML	A-7	0	100	100	95-100	85-95	40-50	15-20
	8-60	Clay, silty clay	CL, CH, MH	A-7	0	100	100	90-100	85-95	45-55	20-25

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
241*: Benin, occasionally flooded-----	0-1	Silty clay loam	ML, CL	A-6, A-7	0	100	100	90-100	85-95	35-45	10-20
	1-60	Silty clay, clay	CL, CH, MH	A-7	0	100	100	95-100	85-95	45-55	20-25
250*: Old Camp-----	0-1	Very stony loam	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	1-15	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-10	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	10-14	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	14-19	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
251*: Old Camp-----	0-2	Extremely stony loam.	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
251*: Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
258*: Old Camp-----	0-2	Very gravelly fine sandy loam.	GM, GM-GC	A-1, A-2	5-10	45-60	35-50	25-40	10-25	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Theon-----	0-2	Very gravelly loam.	GM-GC, GM	A-1, A-2	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
261*: Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bucklake-----	0-8	Very stony loam	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
262*: Pickup-----	0-8	Extremely stony loam.	SM-SC, SC, GM-GC, GC	A-4, A-6	30-45	65-85	60-80	50-70	35-50	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
264*: Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
271*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
271*: Bucklake-----	0-9	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	9-13	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	13-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
272*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Manogue-----	0-4	Cobbly clay-----	CH, MH	A-7	25-30	70-85	70-80	60-75	50-70	55-65	25-35
	4-20	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	20-59	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	59	Weathered bedrock	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
273*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
274*: Wylo-----	0-4	Extremely stony loam.	GM-GC	A-2	20-40	35-50	25-40	20-30	15-20	20-30	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
279*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
280*: Bombadil-----	0-2	Very stony fine sandy loam.	SM	A-2	20-30	70-90	65-85	50-65	25-35	15-25	NP-5
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
280*: Old Camp-----	0-2	Very stony loam	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
282*: Bombadil-----	0-2	Very stony loam	SM, ML, SM-SC, CL-ML	A-4	20-30	70-90	65-85	50-80	40-75	20-30	NP-10
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hefed-----	0-2	Very stony sandy loam.	SM-SC	A-2	30-45	80-85	60-70	40-55	20-35	20-30	5-10
	2-12	Very gravelly sandy loam, very gravelly loam.	GC	A-2	5-10	50-65	35-55	25-50	10-35	25-35	10-15
	12-60	Stratified very gravelly loamy sand to very cobbly sandy loam.	SM	A-1, A-2	15-40	75-85	50-75	30-60	15-35	---	NP
Rubble land-----	0-60	Fragmental material.	GP	A-1	75-90	0-10	0-5	0-5	0	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
283*: Bombadil-----	0-2	Stony loam-----	SM	A-4	10-20	75-80	60-75	50-65	35-50	15-25	NP-5
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Ceejay-----	0-2	Very stony loam	SC, SM-SC, GC, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, cobbly clay loam.	SC, GC	A-7	10-25	65-90	60-85	50-70	35-50	40-50	15-25
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
284*: Bombadil-----	0-2	Stony loam-----	SM	A-4	10-20	75-80	60-75	50-65	35-50	15-25	NP-5
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Corral-----	0-4	Stony loam-----	CL-ML, ML	A-4	5-15	80-100	75-95	60-80	50-65	25-35	5-10
	4-12	Clay loam, loam, sandy clay loam.	CL	A-6	0	80-100	75-95	65-90	50-75	30-40	10-20
	12	Weathered bedrock	---	---	---	---	---	---	---	---	---
310*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
312*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
312*: Old Camp-----	0-2	Very stony loam	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
313*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bombadil-----	0-2	Very stony loam	SM, ML, SM-SC, CL-ML	A-4	20-30	70-90	65-85	50-80	40-75	20-30	NP-10
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Old Camp-----	0-2	Very stony loam	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
314*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Oppio-----	0-6	Very stony loam	SM	A-2, A-4	25-35	65-75	45-65	40-55	30-45	20-30	NP-5
	6-22	Gravelly clay----	GC	A-7	0-5	60-70	50-60	45-55	40-50	50-60	20-30
	22	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Old Camp-----	0-2	Very stony loam	GM, GM-GC, SM, SM-SC	A-2, A-4	25-55	60-70	55-65	45-55	30-40	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
315*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bombadil-----	0-2	Very stony loam	SM, ML, SM-SC, CL-ML	A-4	20-30	70-90	65-85	50-80	40-75	20-30	NP-10
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
316*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
316*: Manogue-----	0-4	Very cobbly clay	CH, MH	A-7	50-55	85-95	75-85	70-80	65-70	55-65	25-35
	4-25	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	25-47	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---
Fulstone-----	0-5	Very stony loam	GM-GC, SM-SC	A-4	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay.	CH, MH	A-7	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated material.	---	---	---	---	---	---	---	---	---
317*: Jaybee-----	0-8	Very cobbly sandy loam.	SM-SC	A-2	25-35	70-80	55-65	30-45	20-35	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Corral-----	0-4	Very stony sandy loam.	SM	A-2, A-4	25-50	75-90	70-85	45-70	25-40	20-30	NP-5
	4-12	Clay loam, loam, sandy clay loam.	CL	A-6	0-5	80-100	75-95	65-90	50-75	30-40	10-20
	12	Weathered bedrock	---	---	---	---	---	---	---	---	---
Oppio-----	0-6	Very stony loam	SM	A-2, A-4	25-35	65-75	45-65	40-55	30-45	20-30	NP-5
	6-27	Gravelly clay----	GC	A-7	0-5	60-70	50-60	45-55	40-50	50-60	20-30
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
318*: Jaybee-----	0-8	Very cobbly loam	SC, SM-SC, GC, GM-GC	A-4, A-6	45-60	65-75	55-65	45-55	35-45	25-35	5-15
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very cobbly sandy loam.	GM, GM-GC	A-4	35-55	55-75	50-70	40-65	35-50	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
330*: Hart Camp-----	0-6	Very stony loam	ML	A-4	10-40	85-95	60-90	60-80	50-65	25-30	NP-5
	6-15	Gravelly loam, gravelly sandy clay loam, gravelly clay loam.	SC	A-2, A-6	0-10	70-80	50-75	45-65	30-50	30-40	10-20
	15-19	Weathered bedrock	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
340*: Reywat-----	0-6	Extremely stony loam.	GM, GM-GC	A-4	35-55	55-75	50-70	40-65	35-50	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
344*: Reywat-----	0-6	Very cobbly sandy loam.	GM, GM-GC	A-4	35-55	55-75	50-70	40-65	35-50	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Ister-----	0-17	Very stony loam	GM-GC, SM-SC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	17-38	Very stony sandy clay loam, very stony clay loam.	GC, SC	A-2, A-6, A-7	35-45	60-85	55-80	40-60	30-50	35-45	15-20
	38	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
362----- Brubeck	0-3	Very cobbly clay	CH	A-7	50-55	85-95	75-85	70-85	65-80	50-70	25-40
	3-29	Silty clay, clay	CH	A-7	0	100	95-100	90-100	75-95	50-70	25-40
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
370*: Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60 ^a	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
371*: Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
372*: Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
373*: Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Softscrabble----	0-20	Stony loam-----	CL-ML, SM-SC	A-4	5-15	80-90	75-85	60-70	45-55	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
374*: Terca-----	0-3	Very stony loam	SM-SC, GM-GC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
420*: Fulstone-----	0-2	Very stony loam	GM-GC, SM-SC	A-4	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	2-14	Clay, gravelly clay.	CH, MH	A-7	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	14-60	Indurated material.	---	---	---	---	---	---	---	---	---
Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
421*: Fulstone-----	0-5	Very stony loam	GM-GC, SM-SC	A-4	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay.	CH, MH	A-7	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated material.	---	---	---	---	---	---	---	---	---
Chalco-----	0-3	Very stony loam	SM-SC, SC	A-4, A-6	30-45	70-80	60-70	50-60	40-50	25-35	5-15
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
422----- Fulstone	0-5	Very stony loam	GM-GC, SM-SC	A-4	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay.	CH, MH	A-7	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated material.	---	---	---	---	---	---	---	---	---
441*: Rezave-----	0-2	Very gravelly loam.	GM	A-2	0-10	45-60	35-50	30-45	25-35	20-25	NP-5
	2-15	Clay, clay loam	CL, CH, SC	A-7	0-10	85-100	75-100	70-90	45-65	40-60	15-35
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Theon-----	0-2	Very gravelly loam.	GM-GC, GM	A-1, A-2	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
460*: Chill-----	0-2	Very stony sandy loam.	SM, GM	A-1	25-40	55-80	45-65	25-40	15-25	---	NP
	2-14	Gravelly sandy clay loam.	SC	A-2	0	90-100	50-75	40-60	25-35	35-45	15-20
	14-21	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
460*: Jaybee-----	0-8	Very cobbly loam	SC, SM-SC, GC, GM-GC	A-4, A-6	45-60	65-75	55-65	45-55	35-45	25-35	5-15
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
491----- Oppio	0-6	Very stony loam	SM	A-2, A-4	25-35	65-75	45-65	40-55	30-45	20-30	NP-5
	6-27	Gravelly clay----	GC	A-7	0-5	60-70	50-60	45-55	40-50	50-60	20-30
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
500----- Smaug	0-10	Very fine sandy loam.	ML	A-4, A-5	0	95-100	90-100	80-90	50-65	30-50	NP
	10-60	Silt loam, very fine sandy loam.	ML	A-4, A-5	0	95-100	95-100	95-100	70-100	30-50	NP-5
510*: Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Bombadil-----	0-2	Very stony loam	SM, ML, SM-SC, CL-ML	A-4	20-30	70-90	65-85	50-80	40-75	20-30	NP-10
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
511*: Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Corral-----	0-6	Extremely stony loam.	CL-ML, ML	A-4	25-40	80-90	75-85	60-80	50-65	25-35	5-10
	6-15	Clay loam, loam, sandy clay loam.	CL	A-6	0-5	80-100	75-95	65-90	50-75	30-40	10-20
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rubble land----	0-60	Fragmental material.	GP	A-1	75-90	0-10	0-5	0-5	0	---	NP
513*: Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
515*: Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
515*: Reywat-----	0-6	Very stony loam	GM, ML, GM-GC, CL-ML	A-4	20-35	55-85	50-80	40-70	35-55	25-35	5-10
	6-12	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam.	GC	A-2, A-6, A-7	10-20	40-60	35-55	30-45	25-40	35-50	15-25
	12-18	Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam.	CL, SC	A-6, A-7	30-50	75-85	70-85	60-75	45-65	35-50	15-25
	18	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Extremely stony loam.	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
517*: Bucklake-----	0-8	Very stony loam	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
518*: Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
540*: Mazuma loamy fine sand-----	0-10	Loamy fine sand	SM	A-2, A-4	0	95-100	85-100	75-95	30-50	---	NP
	10-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Mazuma fine sandy loam-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
541----- Mazuma	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
542*: Mazuma-----	0-8	Silt loam-----	ML	A-4	0	100	100	90-100	70-80	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
542*: Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
543*: Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
Swingler-----	0-6	Silt loam-----	CL-ML, ML	A-4	0	100	100	95-100	80-95	25-35	5-10
	6-19	Loam-----	CL-ML, CL	A-4, A-6	0	100	100	95-100	75-85	25-35	5-15
	19-60	Silt loam, very fine sandy loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	75-80	25-35	5-15
	60-70	Stratified silty clay loam to silty clay.	CL, CH, MH	A-7	0	100	100	95-100	85-95	45-55	20-25
545*: Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Davey-----	0-5	Sandy loam-----	SM	A-2	0	100	100	70-90	20-35	---	NP
	5-14	Fine sandy loam, sandy loam.	SM	A-2, A-4	0	100	100	80-90	30-40	20-25	NP-5
	14-67	Fine sand, loamy fine sand.	SM	A-2	0	85-100	85-100	70-80	10-20	---	NP
Mazuma, moderately saline-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
546*: Mazuma-----	0-8	Very fine sandy loam.	ML	A-4	0	95-100	85-100	70-90	50-65	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
546*: Mazuma, moderately saline-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
547----- Mazuma	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
548----- Mazuma	0-8	Silt loam-----	ML	A-4	0	100	100	90-100	70-80	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
549*: Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Smaug-----	0-10	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	10-60	Silt loam, very fine sandy loam.	ML	A-4, A-5	0	95-100	95-100	95-100	70-100	30-50	NP-5
560*: Toulon-----	0-4	Gravelly loam----	SM, GM	A-4	0-10	60-80	50-75	45-65	35-50	20-25	NP-5
	4-15	Very gravelly sandy loam, very gravelly loam, very gravelly coarse sandy loam.	GM	A-1, A-2	0-5	40-60	25-40	15-35	10-30	---	NP
	15-60	Stratified gravelly coarse sand to extremely cobbly coarse sand.	GP, GP-GM	A-1	25-50	40-50	25-40	5-20	0-10	---	NP
Mazuma-----	0-8	Loamy fine sand	SM	A-2, A-4	0	95-100	85-100	75-95	30-50	---	NP
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Hawsley-----	0-8	Loamy sand-----	SM	A-2	0	100	90-100	60-75	20-35	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
561*: Toulon-----	0-4	Very cobbly loam	GM, SM	A-2, A-4	20-30	55-80	45-70	40-55	30-40	20-25	NP-5
	4-15	Very gravelly sandy loam, very gravelly loam, very gravelly coarse sandy loam.	GM	A-1, A-2	0-5	40-60	25-40	15-35	10-30	---	NP
	15-60	Stratified gravelly coarse sand to extremely cobbly coarse sand.	GP, GP-GM	A-1	25-50	40-50	25-40	5-20	0-10	---	NP
Trocken-----	0-3	Gravelly sandy loam.	SM, GM	A-2	0-5	60-80	55-75	40-50	25-35	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
580*: Verdico-----	0-2	Extremely stony sandy loam.	SM	A-2	25-45	85-100	75-85	50-60	20-30	---	NP
	2-22	Clay-----	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
Corral-----	0-4	Extremely stony loam.	CL-ML, ML	A-4	25-40	80-90	75-85	60-80	50-65	25-35	5-10
	4-12	Clay loam, loam, sandy clay loam.	CL	A-6	0-5	80-100	75-95	65-90	50-75	30-40	10-20
	12	Weathered bedrock	---	---	---	---	---	---	---	---	---
581*: Verdico-----	0-5	Cobbly sandy loam	SM	A-2	15-30	85-100	75-85	50-60	20-30	---	NP
	5-23	Clay-----	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	23-30	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Chalco-----	0-1	Very stony clay loam.	CL	A-6	25-50	90-100	80-100	60-80	50-70	35-40	15-20
	1-10	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	10	Weathered bedrock	---	---	---	---	---	---	---	---	---
590----- Buffaran	0-2	Stony loam-----	SM-SC, GM-GC	A-4	5-15	65-85	55-75	45-60	35-45	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, clay.	CL, CH	A-7	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	16-27	Indurated material.	---	---	---	---	---	---	---	---	---
	27-60	Cemented material	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches Pct	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
591*: Buffaran-----	0-2	Stony loam-----	SM-SC, GM-GC	A-4	5-15	65-85	55-75	45-60	35-45	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, clay.	CL, CH	A-7	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	16-27	Indurated material.	---	---	---	---	---	---	---	---	---
	27-60	Cemented material	---	---	---	---	---	---	---	---	---
Bombadil-----	0-2	Very stony loam	SM, ML, SM-SC, CL-ML	A-4	20-30	70-90	65-85	50-80	40-75	20-30	NP-10
	2-6	Loam, gravelly loam.	CL-ML, CL	A-4, A-6	0-10	75-100	60-90	65-85	50-70	25-35	5-15
	6-10	Loam, clay loam, gravelly clay loam.	CL	A-6	0-10	75-100	60-90	65-85	55-75	30-40	10-20
	10-20	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
592*: Buffaran-----	0-2	Stony loam-----	SM-SC, GM-GC	A-4	5-15	65-85	55-75	45-60	35-45	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, clay.	CL, CH	A-7	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	16-27	Indurated material.	---	---	---	---	---	---	---	---	---
	27-60	Cemented material	---	---	---	---	---	---	---	---	---
Corral-----	0-4	Very stony sandy loam.	SM	A-2, A-4	25-50	75-90	70-85	45-70	25-40	20-30	NP-5
	4-12	Clay loam, loam, sandy clay loam.	CL	A-6	0-5	80-100	75-95	65-90	50-75	30-40	10-20
	12	Weathered bedrock	---	---	---	---	---	---	---	---	---
610*: Haybourne-----	0-6	Loamy sand-----	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	6-27	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	27-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP
Mottsville-----	0-15	Loamy coarse sand	SP-SM, SM	A-1	0	80-100	75-90	25-40	5-20	---	NP
	15-60	Stratified gravelly coarse sand to loamy sand.	SP-SM, SM	A-1	0	90-100	55-95	30-50	5-20	---	NP
Incy-----	0-4	Sand-----	SP-SM, SM	A-3, A-1, A-2	0	100	85-100	45-60	5-15	---	NP
	4-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	80-100	50-80	5-15	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
611*: Haybourne-----	0-6	Sandy loam-----	SM	A-2, A-4	0	80-90	75-85	40-50	30-40	---	NP
	6-25	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP
Zorravista-----	0-4	Fine sand-----	SP-SM, SM	A-2, A-3	0	100	100	75-90	5-20	---	NP
	4-60	Fine sand, sand	SP-SM, SM	A-2, A-3	0	100	100	65-80	5-30	---	NP
Fulstone-----	0-5	Very stony loam	GM-GC, SM-SC	A-4	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay.	CH, MH	A-7	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated material.	---	---	---	---	---	---	---	---	---
614----- Haybourne	0-6	Loamy sand-----	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	6-25	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP
615*: Haybourne-----	0-6	Sandy loam-----	SM	A-2, A-4	0	80-90	75-85	40-50	30-40	---	NP
	6-25	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP
Dun Glen-----	0-3	Fine sandy loam	ML	A-4	0	95-100	90-100	80-95	50-65	15-25	NP-5
	3-10	Silt loam, very fine sandy loam.	ML	A-4	0	95-100	90-100	85-100	55-70	15-25	NP-5
	10-60	Fine sandy loam, very fine sandy loam.	SM	A-4	0	90-100	85-100	70-85	35-50	15-25	NP-5
616----- Haybourne	0-6	Sandy loam-----	SM	A-2, A-4	0	80-90	75-85	40-50	30-40	---	NP
	6-25	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
620*: Leviathan-----	0-8	Very stony sandy loam.	GM, SM, GM-GC, SM-SC	A-1, A-2	5-20	60-90	50-60	35-50	15-30	20-30	NP-10
	8-60	Very gravelly sandy clay loam.	GC, SC	A-2	10-20	50-70	40-50	35-45	15-25	35-45	15-25
Barnard-----	0-15	Very stony sandy clay loam.	SC	A-2, A-6	20-40	90-100	70-85	45-60	25-40	30-35	15-20
	15-26	Clay, silty clay	CH	A-7	0-10	85-100	85-100	70-90	60-85	50-60	30-40
	26	Indurated material.	---	---	---	---	---	---	---	---	---
621*: Leviathan-----	0-11	Very stony sandy loam.	GM, SM, GM-GC, SM-SC	A-1, A-2	5-20	60-90	50-60	35-50	15-30	20-30	NP-10
	11-60	Very gravelly sandy clay loam.	GC, SC	A-2	10-20	50-70	40-50	35-45	15-25	35-45	15-25
Springmeyer----	0-7	Very stony sandy loam.	SM-SC	A-2	20-35	75-95	70-90	60-75	20-30	20-25	5-10
	7-34	Gravelly sandy clay loam, sandy clay loam, clay loam.	SC, CL	A-2, A-6, A-7	0-5	80-95	65-85	60-80	30-60	35-45	15-20
	34-60	Stratified very gravelly sandy clay loam to loamy sand.	SC	A-2	0-10	70-85	55-70	35-50	25-35	30-40	10-15
Haybourne-----	0-6	Loamy sand-----	SP-SM, SM	A-1	0	90-100	75-95	40-50	5-15	---	NP
	6-25	Sandy loam, gravelly sandy loam, fine sandy loam.	SM	A-2	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified gravelly coarse sand to fine sandy loam.	SM	A-1, A-2	0	90-100	75-100	45-55	15-30	---	NP
622----- Leviathan	0-8	Very gravelly loam.	GM, GM-GC	A-2, A-4	0-15	50-70	35-55	30-50	25-40	20-30	NP-10
	8-60	Very gravelly sandy clay loam.	GC	A-2	5-25	40-60	25-45	20-30	15-25	35-45	15-20
630----- Chappuis	0-3	Sandy loam-----	SM	A-4	0	100	100	60-70	35-50	20-30	NP-5
	3-15	Silty clay-----	MH	A-7	0	100	100	100	95-100	60-70	20-30
	15-45	Loam, silt loam, silty clay loam.	ML	A-7	0	100	100	95-100	85-95	40-50	10-20
	45-60	Very fine sandy loam, silt loam, loam.	CL-ML, ML	A-4	0	80-100	75-100	65-85	50-70	25-35	5-10

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
			In				Pct				
702*: Graufels-----	0-11	Bouldery sand----	SP-SM, SM	A-1, A-2, A-3	5-10	85-95	75-85	40-60	5-15	---	NP
	11-35	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	35-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
Glenbrook-----	0-8	Very stony loamy coarse sand.	SP-SM, SM	A-1	5-20	85-100	60-85	15-30	5-15	---	NP
	8-19	Gravelly loamy coarse sand, gravelly sand, coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-80	40-50	5-20	---	NP
	19	Weathered bedrock	---	---	---	---	---	---	---	---	---
710*: Thulepah-----	0-16	Very stony loam	SM	A-4	10-20	80-90	65-75	60-70	40-50	15-25	NP-5
	16-42	Gravelly clay loam, clay loam.	CL, SC	A-6, A-7	5-15	75-85	60-80	50-65	45-55	35-45	15-20
	42-60	Clay loam, gravelly clay loam, silty clay loam.	CL	A-6, A-7	5-10	70-95	65-90	65-85	55-75	35-45	15-25
Hutchley-----	0-6	Very cobbly sandy loam.	SM	A-1, A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	6-14	Very gravelly clay loam, extremely gravelly loam, very cobbly clay loam.	GC, SC	A-6, A-2	10-45	45-70	20-60	15-55	10-40	30-40	10-15
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
711*: Thulepah-----	0-6	Very stony loam	SM	A-4	10-20	80-90	65-75	60-70	40-50	15-25	NP-5
	6-28	Gravelly clay loam, clay loam.	CL, SC	A-6, A-7	5-15	75-85	60-80	50-65	45-55	35-45	15-20
	28-60	Clay loam, gravelly clay loam, silty clay loam.	CL	A-6, A-7	5-10	70-95	65-90	65-85	55-75	35-45	15-25
Hutchley-----	0-6	Very gravelly loam.	GM-GC	A-4, A-2	5-15	55-65	40-50	35-45	20-40	25-35	5-10
	6-15	Very gravelly clay loam, very cobbly clay loam.	GC	A-2	10-55	50-65	30-60	25-55	20-35	35-45	15-20
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
721*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Sumine-----	0-6	Very stony loam	SM-SC	A-4	10-20	70-85	60-75	50-65	35-50	25-30	5-10
	6-28	Very gravelly clay loam, very cobbly clay loam, very gravelly loam.	GC	A-2, A-6	15-40	45-70	35-65	30-50	30-45	30-40	10-20
	28	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hutchley-----	0-6	Very cobbly sandy loam.	SM	A-1, A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	6-14	Very gravelly clay loam, extremely gravelly loam, very cobbly clay loam.	GC, SC	A-6, A-2	10-45	45-70	20-60	15-55	10-40	30-40	10-15
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
722*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Bucklake-----	0-8	Extremely stony loam.	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Indiano-----	0-3	Very stony loam	ML	A-4	35-50	70-85	65-80	60-70	50-60	25-35	NP-10
	3-13	Cobbly loam, gravelly loam.	SM-SC, SM, ML, CL-ML	A-4	10-25	75-90	70-85	65-80	45-60	25-35	5-10
	13-33	Cobbly clay loam, gravelly clay loam.	CL	A-6	10-25	75-90	70-85	65-85	55-70	30-40	10-20
	33	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
723*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Hutchley-----	0-6	Very gravelly loam.	GM-GC	A-4, A-2	5-15	55-65	40-50	35-45	20-40	25-35	5-10
	6-15	Very gravelly clay loam, very cobbly clay loam.	GC	A-2	10-55	50-65	30-60	25-55	20-35	35-45	15-20
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Thulepah-----	0-6	Very stony loam	SM	A-4	10-20	80-90	65-75	60-70	40-50	15-25	NP-5
	6-28	Gravelly clay loam, clay loam.	CL, SC	A-6, A-7	5-15	75-85	60-80	50-65	45-55	35-45	15-20
	28-60	Clay loam, gravelly clay loam, silty clay loam.	CL	A-6, A-7	5-10	70-95	65-90	65-85	55-75	35-45	15-25
725*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Sumine-----	0-5	Very stony loam	SM-SC	A-4	10-20	70-85	60-75	50-65	35-50	25-30	5-10
	5-21	Very gravelly clay loam, very cobbly clay loam, very gravelly loam.	GC	A-2, A-6	15-40	45-70	35-65	30-50	30-45	30-40	10-20
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Prunie-----	0-10	Very stony loam	SC, CL	A-6	20-35	75-90	65-75	55-65	45-55	25-35	10-15
	10-31	Gravelly clay----	CH, MH	A-7	0-10	75-85	60-75	55-65	50-60	50-65	20-35
	31-45	Clay-----	CH, MH	A-7	0	90-100	85-100	80-100	75-95	65-75	35-40
	45-52	Weathered bedrock	---	---	---	---	---	---	---	---	---
	52	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
726*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Dosie-----	0-5	Extremely stony loam.	GM-GC	A-2	20-40	35-50	25-40	20-30	15-20	20-30	5-10
	5-41	Very gravelly clay loam, very gravelly clay.	GC	A-2	15-30	45-65	35-60	30-40	20-30	40-55	20-25
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
727*: Softscrabble----	0-20	Stony loam-----	CL-ML, SM-SC	A-4	5-15	80-90	75-85	60-70	45-55	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Hart Camp-----	0-3	Very stony loam	ML	A-4	10-40	85-95	60-90	60-80	50-65	25-30	NP-5
	3-13	Gravelly loam, gravelly sandy clay loam, gravelly clay loam.	SC	A-2, A-6	0-10	70-80	50-75	45-65	30-50	30-40	10-20
	13	Weathered bedrock	---	---	---	---	---	---	---	---	---
728*: Softscrabble----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
728*: Hutchley-----	0-6	Very cobbly sandy loam.	SM	A-1, A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	6-14	Very gravelly clay loam, extremely gravelly loam, very cobbly clay loam.	GC, SC	A-6, A-2	10-45	45-70	20-60	15-55	10-40	30-40	10-15
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Burnborough-----	0-16	Stony loam-----	CL, CL-ML	A-4, A-6	5-15	85-95	70-85	60-75	50-60	20-35	5-15
	16-60	Very gravelly loam, very gravelly clay loam.	GC, SC	A-2	15-25	55-65	35-60	20-35	15-30	25-40	10-20
729*: Softscrabble-----	0-20	Very stony loam	GM-GC	A-4, A-2	25-50	40-60	35-55	25-50	20-40	20-30	5-10
	20-32	Very cobbly clay loam, extremely cobbly clay loam.	CL, GC	A-6, A-2	25-70	50-80	40-70	35-60	30-55	35-40	15-20
	32-61	Clay loam, gravelly clay loam, loam.	CL	A-7	0-10	75-100	60-90	60-80	50-70	40-50	15-25
	61	Weathered bedrock	---	---	---	---	---	---	---	---	---
Dosie-----	0-5	Very stony loam	GM-GC	A-2	10-30	55-65	40-55	35-45	25-35	20-30	5-10
	5-41	Very gravelly clay loam, very gravelly clay.	GC	A-2	15-30	45-65	35-60	30-40	20-30	40-55	20-25
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Hutchley-----	0-6	Very cobbly sandy loam.	SM	A-1, A-2	30-40	60-70	50-70	35-60	20-35	15-25	NP-5
	6-14	Very gravelly clay loam, extremely gravelly loam, very cobbly clay loam.	GC, SC	A-6, A-2	10-45	45-70	20-60	15-55	10-40	30-40	10-15
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
730*: Arzo-----	0-6	Very stony loam	CL, SC	A-6	20-30	80-85	60-70	50-70	35-60	30-35	10-15
	6-25	Clay loam, gravelly clay, clay.	CH, CL	A-7	0-10	90-100	75-100	65-90	50-80	40-55	20-30
	25	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
730*: Indiano-----	0-8	Stony fine sandy loam.	SM	A-2, A-4	20-25	70-85	65-80	50-70	30-50	15-25	NP-5
	8-21	Loam, sandy clay loam, gravelly clay loam.	SC, CL, GC	A-2, A-6, A-7	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	21	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Barnard-----	0-9	Stony sandy loam	SM	A-2, A-4	10-25	85-95	80-90	50-80	25-50	15-25	NP-5
	9-23	Clay, silty clay	CH	A-7	0-10	85-100	85-100	70-90	60-85	50-60	30-40
	23	Indurated material.	---	---	---	---	---	---	---	---	---
750*: Gitakup-----	0-2	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
	2-11	Silty clay, silty clay loam.	ML, MH	A-7	0	100	100	95-100	90-100	45-55	15-20
	11-29	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
	29-60	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
Tresed-----	0-4	Loam-----	ML	A-4	0	95-100	95-100	85-100	60-75	---	NP
	4-16	Silty clay, clay, clay loam.	CH	A-7	0	100	100	90-100	80-95	50-65	30-40
	16-60	Stratified very fine sand to silt loam.	ML	A-4	0	100	100	85-95	55-75	25-30	NP-5
Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
760*: Ganaflan-----	0-4	Loam-----	ML	A-4	0	80-100	75-100	70-90	50-65	20-25	NP-5
	4-32	Stratified loam to very gravelly loam.	GM, SM, ML	A-4	0-5	60-96	50-90	45-75	35-60	20-25	NP-5
	32-48	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	48-60	Stratified sand to very gravelly coarse sand.	GP-GM, GM, SP-SM, SM	A-1	0-5	40-90	35-85	20-50	5-15	---	NP
Smaug-----	0-10	Very fine sandy loam.	ML	A-4, A-5	0	95-100	90-100	80-90	50-65	30-50	NP
	10-60	Silt loam, very fine sandy loam.	ML	A-4, A-5	0	95-100	95-100	95-100	70-100	30-50	NP-5
Trocken-----	0-3	Gravelly sandy loam.	SM, GM	A-2	0-5	60-80	55-75	40-50	25-35	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
770*:											
Tresed-----	0-10	Loam-----	ML	A-4	0	95-100	95-100	85-100	60-75	---	NP
	10-25	Silty clay, clay, clay loam.	CH	A-7	0	100	100	90-100	80-95	50-65	30-40
	25-60	Stratified very fine sand to silt loam.	ML	A-4	0	100	100	85-95	55-75	25-30	NP-5
Gitakup-----	0-2	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
	2-11	Silty clay, silty clay loam.	ML, MH	A-7	0	100	100	95-100	90-100	45-55	15-20
	11-29	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
	29-60	Silty clay loam	ML	A-6, A-7	0	100	100	95-100	80-100	35-45	10-15
Playas-----	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
780*:											
Chuckles-----	0-6	Loam-----	ML	A-4	0	100	100	95-100	70-80	20-30	NP-5
	6-15	Silt loam-----	CL-ML, ML	A-4	0	100	100	95-100	80-100	25-35	5-10
	15-34	Silt loam, loam	CL-ML, ML	A-4	0	100	100	95-100	80-100	25-35	5-10
	34-60	Stratified very fine sandy loam to silty clay.	CL, CL-ML	A-6, A-4	0	100	100	95-100	80-100	25-40	5-15
Playas-----	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
781*:											
Chuckles-----	0-6	Loam-----	ML	A-4	0	100	100	95-100	70-80	20-30	NP-5
	6-15	Silt loam-----	CL-ML, ML	A-4	0	100	100	95-100	80-100	25-35	5-10
	15-34	Silt loam, loam	CL-ML, ML	A-4	0	100	100	95-100	80-100	25-35	5-10
	34-60	Stratified very fine sandy loam to silty clay.	CL, CL-ML	A-6, A-4	0	100	100	95-100	80-100	25-40	5-15
Ragtown-----	0-10	Loam-----	ML, CL-ML	A-4	0	95-100	95-100	85-95	60-75	25-35	5-10
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
Playas-----	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
790*:											
Galeppi-----	0-9	Stony sandy loam	SM	A-2, A-4	20-40	85-95	80-95	50-70	30-40	15-25	NP-5
	9-27	Cobbly sandy clay loam, cobbly clay loam.	SC, CL	A-6	20-40	85-95	80-95	75-90	35-60	30-40	10-15
	27-60	Cobbly sandy loam	SM	A-2	20-40	85-95	80-95	50-70	20-35	15-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
790*: Barnard-----	0-15	Stony sandy loam	SM	A-2, A-4	10-25	85-95	80-90	50-80	25-50	15-25	NP-5
	15-26	Clay, silty clay	CH	A-7	0-10	85-100	85-100	70-90	60-85	50-60	30-40
	26	Indurated material.	---	---	---	---	---	---	---	---	---
800----- Boulder Lake	0-1	Silty clay-----	CH	A-7	0	100	100	90-100	80-95	60-70	45-55
	1-60	Clay, silty clay	CH	A-7	0	100	100	90-100	80-95	60-70	45-55
810*: Voltaire-----	0-20	Silty clay loam	CL	A-6, A-7	0	100	100	90-100	80-90	35-45	15-20
	20-60	Stratified silty clay loam to loamy sand.	CL	A-6	0	100	95-100	80-90	65-75	30-40	10-20
Truckee-----	0-13	Clay loam-----	---	---	0	100	100	80-100	75-90	35-45	10-15
	13-60	Stratified sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6	0	100	100	85-95	60-75	25-35	5-15
811*: Voltaire-----	0-20	Loam-----	CL-ML	A-4	0	90-100	90-100	85-100	60-75	20-30	5-10
	20-60	Stratified silty clay loam to loamy sand.	CL	A-6, A-7	0	100	100	85-95	75-85	30-45	10-20
Fluvaquents-----	0-6	Very gravelly coarse sand.	SP, SP-SM, SM, GP-GM	A-1	0-10	45-60	35-50	15-25	0-15	---	NP
	6-60	Stratified very gravelly coarse sand to clay loam.	SP-SM, GP-GM, SM-SC, SM	A-1, A-2	0-30	20-70	10-60	5-30	5-15	15-30	NP-10
Veta-----	0-6	Gravelly sandy loam.	SM	A-1, A-2	0-5	65-80	55-70	45-55	20-35	---	NP
	6-12	Extremely gravelly loam, very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	10-30	40-55	30-50	20-40	15-30	---	NP
	12-60	Stratified extremely gravelly loamy sand to very gravelly loam.	GP-GM, GM	A-1	10-25	30-55	20-50	15-35	5-20	---	NP
820*: Horsecamp-----	0-1	Cobbly clay-----	CH	A-7	15-40	65-80	60-75	55-70	50-65	50-70	25-40
	1-20	Silty clay, clay	CH	A-7	0	95-100	95-100	90-100	75-95	50-70	25-40
	20-40	Silty clay, clay, clay loam.	CH, CL	A-7	0	95-100	95-100	90-95	70-95	45-70	20-40
	40	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
820*: Mahala-----	0-3	Very cobbly silt loam.	GM, ML	A-4	40-60	60-85	50-80	45-70	40-60	30-40	NP-10
	3-16	Clay, gravelly clay.	CH	A-7	0	80-100	70-100	70-100	60-90	50-65	25-35
	16-36	Clay, clay loam, silty clay loam.	CL, CH	A-7	0	80-100	75-100	70-95	60-90	40-65	20-35
	36	Weathered bedrock	---	---	---	---	---	---	---	---	---
831----- Kayo	0-6	Very stony sandy loam.	GM, SM	A-1	10-25	50-70	45-60	25-40	15-25	---	NP
	6-18	Very gravelly coarse sandy loam, very gravelly sandy loam.	GM-GC, GP-GC	A-1, A-2	5-10	45-60	30-50	10-35	5-20	20-25	5-10
	18-60	Very gravelly loamy coarse sand, very gravelly sandy loam, extremely gravelly sandy loam.	GP-GM	A-1	5-10	30-55	25-45	10-30	5-10	---	NP
841*----- Beaches	0-6	Gravelly sand	GP, SP	A-1	0-10	50-80	50-75	5-40	0-5	---	NP
	6-60	Gravelly coarse sand, very gravelly coarse sand, extremely gravelly coarse sand.	GP, SP	A-1	0-10	10-80	10-75	0-40	0-5	---	NP
850*: Osobb-----	0-6	Extremely stony fine sandy loam.	GP-GM, GM, GM-GC	A-1, A-2	50-70	35-55	30-50	20-40	5-25	20-30	NP-10
	6-14	Extremely cobbly very fine sandy loam, very cobbly fine sandy loam.	GP-GM, GM, GM-GC	A-1, A-2	45-55	25-60	20-50	15-35	5-20	20-30	NP-10
	14-16	Indurated material.	---	---	---	---	---	---	---	---	---
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rezave-----	0-4	Extremely stony very fine sandy loam.	SM	A-4	35-45	90-100	85-95	60-80	35-50	20-25	NP-5
	4-13	Clay, clay loam, stony clay.	CL, CH	A-7	0-30	90-100	90-100	80-100	65-95	40-60	15-35
	13-19	Very gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	80-90	50-70	50-70	35-60	40-50	15-25
	19	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
850*: Fireball-----	0-5	Extremely stony fine sandy loam.	SM-SC	A-2, A-4	40-50	80-90	70-80	50-70	30-45	20-25	5-10
	5-17	Very cobbly loam, very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	25-40	60-70	50-60	40-60	30-50	25-40	10-20
	17-41	Very cobbly loam, very gravelly silt loam, extremely cobbly loam.	GM-GC	A-2, A-4	25-60	60-70	40-50	35-50	25-40	20-25	5-10
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
890*: Slocave-----	0-2	Very gravelly coarse sandy loam.	SM	A-1	0-10	70-85	30-50	15-30	10-20	15-20	NP-5
	2-7	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0	75-90	25-50	15-35	10-25	15-25	NP-5
	7-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
	30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Arclay-----	0-5	Very gravelly coarse sandy loam.	GM, SM	A-1	0-10	50-65	35-50	15-30	10-20	---	NP
	5-14	Gravelly clay loam, gravelly sandy clay loam, gravelly loam.	SM, SC	A-2, A-6	0-5	70-90	55-75	35-55	20-40	35-40	10-15
	14-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
	40	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
892*: Slocave-----	0-1	Very gravelly coarse sandy loam.	SM	A-1	0-10	70-85	30-50	15-30	10-20	15-20	NP-5
	1-7	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0	75-90	25-50	15-35	10-25	15-25	NP-5
	7-27	Weathered bedrock	---	---	---	---	---	---	---	---	---
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
892*: Singatse-----	0-1	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	1-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	0-10	60-70	30-50	20-30	10-30	15-25	NP-5
	6	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very gravelly sandy loam.	GM-GC	A-2	0-10	45-60	35-50	25-40	15-30	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL, GC	A-7	0-10	65-85	55-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
893*: Slocave, 30 to 50 percent slopes-----	0-1	Very stony sandy loam.	GM, SM	A-1	25-40	55-80	45-65	25-40	15-25	---	NP
	1-7	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0	75-90	25-50	15-35	10-25	15-25	NP-5
	7-27	Weathered bedrock	---	---	---	---	---	---	---	---	---
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Slocave, 8 to 30 percent slopes-	0-1	Very stony sandy loam.	GM, SM	A-1	25-40	55-80	45-65	25-40	15-25	---	NP
	1-7	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0	75-90	25-50	15-35	10-25	15-25	NP-5
	7-27	Weathered bedrock	---	---	---	---	---	---	---	---	---
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
900*----- Playas	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
901*: Dune land-----	0-6	Fine sand-----	SP, SP-SM, SM	A-3, A-2	0	100	100	60-80	0-25	---	NP
	6-60	Sand, fine sand	SP, SP-SM, SM	A-3, A-2	0	100	100	50-80	0-25	---	NP
Playas-----	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
910*: Shawave-----	0-8	Gravelly sandy loam.	SM	A-1, A-2	0	75-90	60-75	40-60	20-35	---	NP
	8-16	Sandy loam, sandy clay loam, loam.	SC, CL	A-6	0	95-100	75-100	55-75	35-55	25-30	10-15
	16-40	Sandy loam, coarse sandy loam.	SM	A-2, A-4	0	95-100	75-100	50-70	20-40	---	NP
	40-60	Loamy coarse sand, coarse sand, sand.	SM	A-1, A-2	0	95-100	75-100	45-60	10-25	---	NP
Deadyon-----	0-5	Sandy loam-----	SM, ML	A-2, A-4	0	95-100	85-100	50-70	25-55	15-25	NP-5
	5-24	Loam, sandy loam, coarse sandy loam.	SM, ML	A-1, A-2, A-4	0	95-100	75-90	40-70	20-55	20-25	NP-5
	24-35	Sandy loam, coarse sandy loam, loam.	SM	A-1, A-2, A-4	0	95-100	75-90	30-70	20-50	---	NP
	35-60	Stratified sandy loam to very gravelly coarse sand.	SM	A-1, A-2	0	95-100	50-75	10-60	10-30	---	NP
930*: Typic Torriorthents--	0-3	Very fine sandy loam.	SM	A-2, A-4	0	90-100	85-100	70-90	30-50	---	NP
	3-60	Stratified very fine sand to silty clay loam.	SM, ML, CL-ML, CL	A-2, A-4, A-6	0	90-100	85-100	50-90	30-70	15-35	NP-15
Aquic Torriorthents--	0-8	Very fine sandy loam.	SM	A-2, A-4	0	90-100	85-100	70-90	30-50	---	NP
	8-60	Stratified fine sand to silty clay.	SM, ML, CL-ML, CL	A-2, A-4, A-6	0	90-100	85-100	50-90	30-70	15-35	NP-15
940*: Hawsley-----	0-6	Fine sand-----	SM	A-2	0	100	100	75-95	15-30	---	NP
	6-35	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	35-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
Hawsley, dry----	0-6	Fine sand-----	SM	A-2	0	100	100	75-95	15-30	---	NP
	6-35	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	35-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
950*: Cleaver-----	0-4	Gravelly loam----	SM, SM-SC, ML, CL-ML	A-4	0-5	70-85	60-75	55-70	35-60	15-30	NP-10
	4-11	Gravelly clay loam, gravelly loam.	SC, CL	A-6, A-7	0-5	75-85	50-75	45-70	40-60	35-50	15-25
	11-30	Indurated material.	---	---	---	---	---	---	---	---	---
	30-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand.	GP, GP-GM	A-1	10-25	15-30	10-25	5-15	0-10	---	NP
Xeric Torriorthents--	0-10	Very gravelly sandy loam.	GM, GM-GC	A-1, A-2	0-10	45-60	30-50	25-40	10-30	15-25	NP-10
	10-40	Variable-----	---	---	---	---	---	---	---	---	---
	40	Weathered bedrock	---	---	---	---	---	---	---	---	---
972*: Isolde-----	0-6	Fine sand-----	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	6-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	50-80	0-10	---	NP
Toulon-----	0-10	Very gravelly fine sandy loam.	SM, GM	A-1, A-2	0-10	55-70	40-50	30-45	20-35	---	NP
	10-20	Very gravelly sandy loam, very gravelly loam, very gravelly coarse sandy loam.	GM	A-1, A-2	0-5	40-60	25-40	15-35	10-30	---	NP
	20-60	Stratified gravelly coarse sand to extremely cobbly coarse sand.	GP, GP-GM	A-1	25-50	40-50	25-40	5-20	0-10	---	NP
1043*: Bluewing-----	0-7	Very gravelly loamy sand.	GP-GM	A-1	0-15	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified very gravelly sand to extremely gravelly loamy coarse sand.	GP-GM	A-1	10-25	30-40	25-35	15-25	5-10	---	NP
Trocken-----	0-3	Gravelly sandy loam.	SM, GM	A-2	0-5	60-80	55-75	40-50	25-35	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1060*: Troocken-----	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	45-65	35-50	25-40	10-20	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
1061*: Troocken-----	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	45-65	35-50	25-40	10-20	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Bluewing-----	0-7	Stony loamy sand	GP-GM	A-1	5-15	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified very gravelly coarse sand to extremely gravelly loamy sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP
1063*: Troocken-----	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	45-65	35-50	25-40	10-20	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Ganaflan-----	0-4	Gravelly loam----	GM, SM	A-4	0-5	60-80	55-75	50-65	35-50	20-25	NP-5
	4-32	Stratified loam to very gravelly loam.	GM, SM, ML	A-4	0-5	60-96	50-90	45-75	35-60	20-25	NP-5
	32-48	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	48-60	Stratified sand to very gravelly coarse sand.	GP-GM, GM, SP-SM, SM	A-1	0-5	40-90	35-85	20-50	5-15	---	NP
Bluewing-----	0-7	Very gravelly loamy sand.	GP-GM	A-1	5-15	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified very gravelly coarse sand to extremely gravelly loamy sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1064*: Troocken, very stony-----	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
Troocken, gravelly-----	0-3	Gravelly fine sandy loam.	SM	A-1, A-2	0-10	65-85	50-75	40-60	20-30	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Mazuma-----	0-8	Silt loam-----	ML	A-4	0	100	100	90-100	70-80	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
1065*: Troocken-----	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
Ruhe-----	0-2	Very stony loamy sand.	SM	A-1, A-2	20-30	80-100	70-100	30-60	10-35	---	NP
	2-16	Gravelly loamy sand, gravelly sand, loamy sand.	SM, SP-SM	A-1	0-10	75-90	50-85	30-50	5-25	---	NP
	16-30	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	30-60	Stratified extremely cobbly coarse sand to sand.	SP, GP	A-1	5-50	40-65	30-60	10-35	0-5	---	NP
Bluewing-----	0-7	Very stony sandy loam.	GP-GM	A-1	20-40	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified very gravelly coarse sand to extremely gravelly loamy sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1067*: Troocken-----	0-3	Gravelly fine sandy loam.	SM	A-1, A-2	0-10	65-85	50-75	40-60	20-30	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5
1068*: Troocken-----	0-3	Gravelly fine sandy loam.	SM	A-1, A-2	0-10	65-85	50-75	40-60	20-30	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Hawsley-----	0-8	Fine sand-----	SM	A-2	0	100	100	75-95	15-30	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
1160*: Glenbrook-----	0-9	Gravelly loamy coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Gravelly loamy coarse sand, gravelly sand, coarse sand.	SM, SP-SM	A-1	0-10	80-95	60-80	40-50	5-20	---	NP
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
Graufels-----	0-10	Gravelly loamy coarse sand.	SM	A-1, A-2	0	85-95	60-75	30-55	10-20	---	NP
	10-22	Gravelly loamy coarse sand, sand, gravelly loamy sand.	SM	A-1, A-2	0	85-90	60-80	30-55	10-20	---	NP
	22-40	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1190*: Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1190*: Isolde-----	0-4	Fine sand-----	SP, SP-SM	A-3	0	100	100	75-90	0-10	---	NP
	4-60	Fine sand, sand	SP, SP-SM	A-3	0	100	100	50-80	0-10	---	NP
1191*: Ragtown-----	0-10	Clay loam-----	CL	A-6	0	95-100	95-100	90-100	70-80	35-40	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
Ragtown, moist--	0-10	Clay loam-----	CL	A-6	0	95-100	95-100	90-100	70-80	35-40	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
1192*: Ragtown-----	0-10	Fine sandy loam	SM, ML	A-4	0	90-95	85-95	70-80	35-55	20-25	NP-5
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
Umlerland-----	0-15	Silty clay loam	CL, ML	A-7	0	100	100	90-100	85-95	40-50	15-20
	15-60	Silty clay, silty clay loam, clay.	CL, CH	A-7	0	100	100	95-100	85-95	40-55	20-30
Ragtown, dry----	0-10	Fine sandy loam	SM, ML	A-4	0	90-95	85-95	70-80	35-55	20-25	NP-5
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-95	40-55	20-25
1194*: Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
Swingler-----	0-6	Fine sandy loam	SM	A-2	0	100	90-100	65-80	20-35	---	NP
	6-60	Stratified sandy loam to silt loam.	CL-ML, CL	A-4, A-6	0	100	100	95-100	85-95	25-35	5-15
Benin-----	0-1	Silty clay loam	ML, CL	A-6, A-7	0	100	100	90-100	85-95	35-45	10-20
	1-60	Silty clay, clay	CL, CH, MH	A-7	0	100	100	95-100	85-95	45-55	20-25

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1200*: Dosie-----	0-5	Extremely stony loam.	GM-GC	A-2	20-40	35-50	25-40	20-30	15-20	20-30	5-10
	5-41	Very gravelly clay loam, very gravelly clay.	GC	A-2	15-30	45-65	35-60	30-40	20-30	40-55	20-25
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Devada-----	0-4	Very stony loam	SM-SC, SC, CL-ML, CL	A-4, A-6	25-60	95-100	90-100	60-75	45-60	25-35	5-15
	4-13	Gravelly clay, clay.	CH, GC	A-7	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1201*: Dosie-----	0-5	Extremely stony loam.	GM-GC	A-2	20-40	35-50	25-40	20-30	15-20	20-30	5-10
	5-41	Very gravelly clay loam, very gravelly clay.	GC	A-2	15-30	45-65	35-60	30-40	20-30	40-55	20-25
	41	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rubble land-----	0-60	Fragmental material.	GP	A-1	75-90	0-10	0-5	0-5	0	---	NP
1220*: Ceejay-----	0-2	Very stony loam	SC, SM-SC, GC, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, cobbly clay loam.	SC, GC	A-7	10-25	65-90	60-85	50-70	35-50	40-50	15-25
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1221----- Ceejay	0-2	Stony loam-----	SC, SM-SC, CL, CL-ML	A-4	5-15	70-90	60-80	50-65	35-55	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, cobbly clay loam.	SC, GC	A-7	10-25	65-90	60-85	50-70	35-50	40-50	15-25
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1222*: Ceejay-----	0-2	Stony loam-----	SC, SM-SC, CL, CL-ML	A-4	5-15	70-90	60-80	50-65	35-55	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, cobbly clay loam.	SC, GC	A-7	10-25	65-90	60-85	50-70	35-50	40-50	15-25
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Verdico-----	0-2	Extremely stony sandy loam.	SM	A-2	25-45	85-100	75-85	50-60	20-30	---	NP
	2-22	Clay-----	CH	A-7	0-5	85-95	85-95	75-95	65-90	50-65	30-45
	22-29	Gravelly clay----	CH	A-7	0-5	75-95	65-75	60-75	50-70	50-65	30-45
	29-60	Weathered bedrock	---	---	---	---	---	---	---	---	---
Chalco-----	0-3	Very stony loam	SM-SC, SC	A-4, A-6	30-45	70-80	60-70	50-60	40-50	25-35	5-15
	3-15	Clay, silty clay	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15	Weathered bedrock	---	---	---	---	---	---	---	---	---
1230*: Singatse-----	0-1	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	1-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	0-10	60-70	30-50	20-30	10-30	15-25	NP-5
	6	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very gravelly sandy loam.	GM-GC	A-2	0-10	45-60	35-50	25-40	15-30	20-30	5-10
	8-14	Gravelly clay, gravelly clay loam.	SC, CL, GC	A-7	0-10	65-85	55-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1240*: Labkey-----	0-4	Gravelly sandy loam.	SM	A-1, A-2	0	80-100	55-75	35-55	20-35	---	NP
	4-14	Gravelly sandy loam, gravelly coarse sandy loam.	SM	A-1, A-2	0	80-100	50-70	25-45	15-30	---	NP
	14-60	Stratified gravelly sandy loam to extremely gravelly coarse sand.	SP-SM, SM	A-1	0	60-80	25-45	10-25	5-15	---	NP
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1250*: Jerval-----	0-10	Gravelly very fine sandy loam.	SM	A-4	0-10	70-85	55-75	50-75	35-50	---	NP
	10-20	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	20-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
Dorper-----	0-2	Stony very fine sandy loam.	GM	A-2	5-10	50-65	45-60	40-60	25-35	15-25	NP-5
	2-6	Gravelly very fine sandy loam, silt loam.	SM, ML, GM	A-4	0	65-100	60-100	55-100	35-70	15-25	NP-5
	6-14	Gravelly clay loam, clay, clay loam.	GC, CL	A-7	0	65-95	60-90	50-80	45-70	40-50	15-25
	14-60	Very gravelly coarse sandy loam, extremely gravelly sandy loam.	GM, GP-GM	A-1	10-15	15-50	10-45	5-40	5-25	15-25	NP-5
1251*: Jerval, 2 to 8 percent slopes-	0-10	Loam-----	ML	A-4	0	95-100	90-100	65-80	55-70	15-25	NP-5
	10-20	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	20-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
Jerval, 8 to 30 percent slopes-	0-10	Loam-----	ML	A-4	0	95-100	90-100	65-80	55-70	15-25	NP-5
	10-20	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	20-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
Kumiva-----	0-8	Sandy loam-----	SM	A-2, A-4	0	90-100	85-100	65-80	30-50	---	NP
	8-40	Stratified sandy loam to silt loam.	SM, ML	A-4	0-5	90-100	85-100	65-85	40-65	---	NP
	40-60	Loamy sand-----	SM	A-2, A-4	0-5	90-100	85-100	50-70	30-50	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1254*: Jerval silt loam	0-10	Silt loam-----	ML	A-4	0	100	95-100	80-95	65-80	20-25	NP-5
	10-20	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	20-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
Trocken-----	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
Jerval, bouldery	0-10	Bouldery silt loam.	ML	A-4	15-30	90-100	80-100	70-85	55-70	20-25	NP-5
	10-20	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	20-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
1255*: Jerval-----	0-6	Gravelly very fine sandy loam.	SM	A-4	0-10	70-85	55-75	50-75	35-50	---	NP
	6-22	Gravelly clay loam, gravelly silty clay loam.	CL	A-6	0-5	65-85	60-75	55-75	50-65	35-40	15-20
	22-60	Very gravelly sandy loam, very gravelly fine sandy loam.	GM	A-1	0-10	45-60	35-50	25-45	15-25	---	NP
Veta-----	0-6	Very gravelly sandy loam.	GM	A-1	0-25	40-55	35-50	20-35	10-20	---	NP
	6-18	Extremely gravelly loam, very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	10-30	40-55	30-50	20-40	15-30	---	NP
	18-60	Stratified extremely gravelly loamy sand to very gravelly loam.	GP-GM, GM	A-1	10-25	30-55	20-50	15-35	5-20	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1260*: Sojur-----	0-4	Extremely channery silt loam.	GM-GC	A-2	15-30	40-50	20-30	15-25	10-20	25-30	5-10
	4-7	Weathered bedrock	---	---	---	---	---	---	---	---	---
	7	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Phliss-----	0-4	Extremely channery loam.	GM-GC	A-2	30-45	30-45	20-35	15-35	15-30	25-30	5-10
	4-14	Very channery loam, extremely channery clay loam.	GC	A-2	10-15	30-35	20-35	15-30	10-25	30-35	10-15
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1270----- Deadyon	0-5	Sandy loam-----	SM, ML	A-2, A-4	0	95-100	85-100	50-70	25-55	15-25	NP-5
	5-22	Loam, sandy loam, coarse sandy loam.	SM, ML	A-1, A-2, A-4	0	95-100	75-90	40-70	20-55	20-25	NP-5
	22-28	Sandy loam, coarse sandy loam, loam.	SM	A-1, A-2, A-4	0	95-100	75-90	30-70	20-50	---	NP
	28-60	Stratified sandy loam to very gravelly coarse sand.	SM	A-1, A-2	0	95-100	50-75	10-60	10-30	---	NP
1290*: Hutchley-----	0-6	Very gravelly loam.	GM-GC	A-4, A-2	5-15	55-65	40-50	35-45	20-40	25-35	5-10
	6-15	Very gravelly clay loam, very cobble clay loam.	GC	A-2	10-55	50-65	30-60	25-55	20-35	35-45	15-20
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Terca-----	0-3	Very gravelly loam.	GM-GC	A-2	0-15	40-65	30-60	25-40	20-35	20-30	5-10
	3-17	Gravelly clay loam.	SC, GC	A-6	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	17	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1310*: Hooplite-----	0-3	Very stony loam	GM-GC	A-2	10-25	45-60	35-50	30-40	20-30	20-30	5-10
	3-8	Very gravelly loam, very gravelly clay loam.	GC	A-2, A-6	0-15	45-60	35-50	30-45	25-40	30-40	10-15
	8	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1310*: Singatse-----	0-1	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	1-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	0-10	60-70	30-50	20-30	10-30	15-25	NP-5
	6	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1320*: Jaybee-----	0-8	Very cobbly loam	SC, SM-SC, GC, GM-GC	A-4, A-6	45-60	65-75	55-65	45-55	35-45	25-35	5-15
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Theon-----	0-2	Very gravelly loam.	GM-GC, GM	A-1, A-2	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Singatse-----	0-1	Very stony sandy loam.	GM	A-1	25-45	40-60	35-55	20-35	10-20	15-25	NP-5
	1-6	Very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	0-10	35-55	30-50	20-45	10-35	15-25	NP-5
	6	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1340----- Phing	0-7	Stony sandy loam	GM-GC, SM-SC	A-2, A-4	5-10	55-85	45-75	40-65	30-50	20-25	5-10
	7-20	Clay-----	CH	A-7	0-5	100	90-100	80-90	70-80	60-75	35-50
	20-60	Stratified extremely gravelly coarse sand to very gravelly loam.	GP-GM, GM	A-1	0-10	25-45	15-35	10-25	5-20	15-20	NP-5
1360*: Mastly-----	0-6	Very fine sandy loam.	ML	A-4	0	90-100	90-100	85-95	60-75	20-25	NP-5
	6-60	Stratified sand to very fine sandy loam.	SM, ML	A-4	0	90-100	90-100	65-85	40-65	20-25	NP-5
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1370*: Theon-----	0-2	Very stony loam	GM-GC, SM-SC	A-2, A-4	15-55	55-80	45-75	35-50	20-45	20-30	5-10
	2-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-25	40-60	25-50	15-40	10-30	30-40	10-20
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Jaybee-----	0-8	Very cobbly loam	SC, SM-SC, GC, GM-GC	A-4, A-6	45-60	65-75	55-65	45-55	35-45	25-35	5-15
	8-14	Gravelly clay, gravelly clay loam.	SC, CL	A-7	0-10	75-85	50-75	45-65	40-55	40-50	20-30
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1372*: Theon-----	0-2	Very gravelly loam.	GM-GC, GM	A-1, A-2	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-10	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	10	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Old Camp-----	0-2	Very gravelly loam.	GM, GM-GC	A-1, A-2	0-15	50-60	35-45	30-40	20-30	15-25	NP-10
	2-14	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam.	GC	A-2, A-6	35-50	40-55	35-50	30-45	25-40	30-40	15-25
	14	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1373*: Theon-----	0-2	Very gravelly loam.	GM-GC, GM	A-1, A-2	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam.	GC	A-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Trocken-----	0-3	Gravelly sandy loam.	SM, GM	A-2	0-5	60-80	55-75	40-50	25-35	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1373*: Singatse-----	0-1	Very gravelly sandy loam.	SM	A-1	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	1-6	Very gravelly sandy loam, very gravelly loam.	SM	A-1, A-2	0-10	60-70	30-50	20-30	10-30	15-25	NP-5
	6	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1392*: Ninemile-----	0-3	Very stony loam	GM-GC, SM-SC	A-2	15-45	40-75	30-65	30-50	20-35	25-30	5-10
	3-12	Gravelly clay, clay.	CH	A-7	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	12	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Newlands-----	0-8	Stony loam-----	SM, SM-SC, ML, CL-ML	A-4	5-20	80-90	70-80	60-75	40-70	15-30	NP-10
	8-45	Clay loam, gravelly clay loam, sandy clay loam.	CL, SC	A-6	0-5	75-95	60-90	50-80	40-70	25-40	10-20
	45	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1401*: Dedmount-----	0-2	Silt loam-----	CL-ML, ML	A-4	0	95-100	95-100	85-100	75-90	25-35	5-10
	2-60	Silty clay loam, silty clay.	ML, MH	A-7	0	100	100	95-100	90-100	40-55	15-25
Umberland-----	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	5-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30
1410----- Juva	0-8	Loam-----	CL-ML	A-4	0-5	90-100	90-100	80-90	60-80	20-30	5-10
	8-65	Stratified gravelly sand to silt loam.	SM	A-2, A-1	0-5	90-100	75-95	45-60	20-35	20-35	NP-5
1420*: Perwaso, occasionally flooded-----	0-3	Silt loam-----	ML	A-4	0	100	100	90-100	80-90	30-35	5-10
	3-36	Stratified silt loam to sandy clay loam.	ML	A-4	0	100	100	70-80	55-70	30-35	5-10
	36-60	Stratified gravelly loamy coarse sand to gravelly coarse sand.	SM	A-1	0	75-80	70-75	35-50	15-25	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1420*: Perwaso, rarely flooded-----	0-3	Silt loam-----	ML	A-4	0	100	100	90-100	80-90	30-35	5-10
	3-36	Stratified silt loam to sandy clay loam.	ML	A-4	0	100	100	70-80	55-70	30-35	5-10
	36-60	Stratified gravelly loamy coarse sand to gravelly coarse sand.	SM	A-1	0	75-80	70-75	35-50	15-25	---	NP
1430*: Slaw, rarely flooded-----	0-10	Silt loam-----	ML, CL-ML	A-4	0	100	100	95-100	80-90	25-35	5-10
	10-60	Stratified very fine sandy loam to silty clay loam.	CL, CL-ML	A-4, A-6, A-7	0	100	100	95-100	85-95	25-45	5-20
Slaw, occasionally flooded-----	0-9	Silt loam-----	CL-ML, ML	A-4	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay.	ML, CL	A-6, A-7	0	100	100	95-100	85-95	35-45	10-20
1440----- Umberland	0-15	Silty clay loam	CL, ML	A-7	0	100	100	90-100	85-95	40-50	15-20
	15-60	Silty clay, silty clay loam.	CL, CH	A-7	0	100	100	90-100	85-95	40-55	20-30
1442*: Umberland-----	0-15	Silt loam-----	ML	A-4	0	100	100	95-100	60-80	25-35	NP-10
	15-60	Silty clay, silty clay loam.	CL, CH	A-7	0	100	100	90-100	85-95	40-55	20-30
Benin-----	0-8	Silt loam-----	CL-ML, ML	A-4	0	100	95-100	75-90	70-85	25-35	5-10
	8-70	Clay, silty clay	CL, CH, MH	A-7	0	100	100	90-100	85-95	45-55	20-25
1443*: Umberland silt loam-----	0-15	Silt loam-----	ML	A-4	0	100	100	95-100	60-80	25-35	NP-10
	15-60	Silty clay, silty clay loam, clay.	CL, CH	A-7	0	100	100	95-100	85-95	40-55	20-30
Ragtown-----	0-10	Silt loam-----	CL	A-6	0	100	100	95-100	85-95	30-40	10-15
	10-16	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	16-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
Umberland, ponded-----	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	5-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30
1444----- Umberland	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	5-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1445*: Umberland-----	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	5-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30
Playas-----	0-6	Silty clay-----	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay.	CL, CH, MH	A-7	0	100	100	100	90-100	45-75	20-40
Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
1446*: Umberland, ponded-----	0-5	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	5-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30
Umberland, unponded-----	0-15	Silty clay loam	CL, ML	A-7	0	100	100	90-100	85-95	40-50	15-20
	15-60	Silty clay, silty clay loam, clay.	CL, CH	A-7	0	100	100	95-100	85-95	40-55	20-30
1447*: Dedmount-----	0-2	Loam-----	ML	A-4	0	100	100	95-100	70-80	20-30	NP-5
	2-60	Silty clay loam, silty clay.	ML, MH	A-7	0	100	100	95-100	90-100	40-55	15-25
Umberland, unponded-----	0-15	Silty clay loam	CL, ML	A-7	0	100	100	90-100	85-95	40-50	15-20
	15-60	Silty clay, silty clay loam, clay.	CL, CH	A-7	0	100	100	95-100	85-95	40-55	20-30
Umberland, ponded-----	0-6	Silty clay loam	CL	A-7	0	100	100	95-100	85-100	40-50	20-25
	6-60	Silty clay loam, silty clay.	CL, CH	A-7	0	100	100	95-100	85-100	40-55	25-30
1460*: Chalco-----	0-3	Very gravelly loam.	GM	A-2	0-10	50-60	40-50	35-45	25-35	20-25	NP-5
	3-15	Clay-----	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Chalco, dry----	0-3	Very gravelly loam.	GM	A-2	0-10	50-60	40-50	35-45	25-35	20-25	NP-5
	3-15	Clay-----	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1461*: Chalco very gravelly clay loam-----	0-3	Very gravelly clay loam.	GC	A-2	0-10	45-60	35-50	30-45	25-35	35-40	15-20
	3-15	Clay-----	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Chalco very gravelly loam--	0-3	Very gravelly loam.	GM	A-2	0-10	50-60	40-50	35-45	25-35	20-25	NP-5
	3-15	Clay-----	CH	A-7	0-5	80-100	75-100	70-90	65-85	50-65	25-35
	15-30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Pickup-----	0-8	Very stony loam	GC, GM-GC	A-2	25-35	55-65	40-55	30-45	20-35	25-35	5-15
	8-34	Very gravelly clay.	GC	A-2, A-7	10-25	50-65	35-50	30-50	25-45	45-60	20-30
	34	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1470*: Squawval-----	0-5	Loam-----	SM, ML	A-4	0-5	85-100	75-100	50-75	40-60	20-25	NP-5
	5-35	Loam, sandy loam, sandy clay loam.	SC, CL	A-6	0-5	85-100	75-100	60-75	40-60	25-30	10-15
	35	Weathered bedrock	---	---	---	---	---	---	---	---	---
Hutchley-----	0-6	Very gravelly loam.	GM-GC	A-4, A-2	5-15	55-65	40-50	35-45	20-40	25-35	5-10
	6-15	Very gravelly clay loam, very cobbly clay loam.	GC	A-2	10-55	50-65	30-60	25-55	20-35	35-45	15-20
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Tosp-----	0-19	Loam-----	SM	A-2, A-4	0-15	85-100	75-90	50-70	30-50	15-25	NP-5
	19-33	Sandy loam-----	SM	A-2	0-10	85-100	85-90	50-70	15-30	15-25	NP-5
	33-60	Very gravelly coarse sandy loam, gravelly coarse sandy loam, sandy loam.	SM	A-1	0-10	75-95	35-85	20-50	10-25	15-25	NP-5
	60	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1480*: Eaglerock-----	0-10	Very stony sandy loam.	SM	A-1	10-25	75-85	35-60	20-35	10-25	20-25	NP-5
	10-36	Very gravelly loam, very gravelly sandy clay loam, very gravelly sandy loam.	SM-SC, GM-GC	A-2	0-10	55-70	35-50	25-40	15-30	25-30	5-10
	36	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1480*: Wagore-----	0-12	Stony loam-----	SM	A-2, A-4	5-15	85-95	60-85	50-60	30-45	20-25	NP-5
	12-60	Gravelly sandy loam, gravelly coarse sandy loam.	SM	A-1, A-2	0-10	80-90	50-75	40-60	15-30	20-25	NP-5
1490*: Berit-----	0-4	Extremely bouldery sandy loam.	SM	A-1, A-2	15-40	80-85	40-60	30-45	15-30	20-25	NP-5
	4-11	Very gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam.	GC	A-2	25-45	30-55	20-45	15-40	10-30	35-45	15-20
	11-21	Weathered bedrock	---	---	---	---	---	---	---	---	---
Deanran-----	0-4	Extremely bouldery sandy loam.	SM	A-1, A-2	15-40	80-85	40-60	30-45	15-30	20-25	NP-5
	4-8	Very gravelly sandy loam, very gravelly sandy clay loam.	SM-SC	A-2	0-10	75-85	25-50	15-35	10-30	25-30	5-10
	8-21	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1491*: Berit-----	0-4	Extremely bouldery sandy loam.	SM	A-1, A-2	15-40	80-85	40-60	30-45	15-30	20-25	NP-5
	4-11	Very gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam.	GC	A-2	25-45	30-55	20-45	15-40	10-30	35-45	15-20
	11-21	Weathered bedrock	---	---	---	---	---	---	---	---	---
Noslo-----	0-13	Extremely bouldery sandy loam.	SM	A-1, A-2	15-45	80-85	40-60	30-45	15-30	20-25	NP-5
	13-30	Sandy clay loam	SC	A-2, A-6	0-10	95-100	75-100	50-65	30-40	30-40	15-20
	30	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1500*: Hastee-----	0-17	Extremely bouldery coarse sandy loam.	SM	A-1	30-55	70-80	35-70	20-45	10-20	20-25	NP-5
	17-45	Very stony loamy coarse sand, very bouldery loamy coarse sand.	SM, SP-SM	A-1	30-55	75-85	55-70	25-45	5-15	---	NP
	45	Weathered bedrock	---	---	---	---	---	---	---	---	---
Granipeak-----	0-8	Extremely bouldery coarse sandy loam.	SM	A-1	30-55	70-80	35-70	20-45	10-20	20-25	NP-5
	8-41	Very stony coarse sandy loam, very stony sandy clay loam.	SC	A-2	30-55	75-85	55-70	30-45	25-35	25-30	10-15
	41	Weathered bedrock	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1510----- Greenbrae	0-6	Fine sandy loam	SM	A-2	0	95-100	90-100	65-75	20-35	20-25	NP-5
	6-30	Clay loam, sandy clay loam, sandy clay.	SC, CL	A-6, A-7	0	95-100	90-100	70-85	40-65	35-45	15-25
	30-60	Stratified coarse sand to gravelly loam.	SM	A-2	0	90-100	75-100	45-60	25-35	---	NP
1520*: Kaffur-----	0-1	Very stony sandy loam.	SM	A-1	10-40	70-80	35-50	30-40	15-25	20-25	NP-5
	1-4	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0-10	60-80	25-50	15-35	10-20	20-25	NP-5
	4-21	Weathered bedrock	---	---	---	---	---	---	---	---	---
Slocave-----	0-1	Very stony sandy loam.	GM, SM	A-1	25-40	55-80	45-65	25-40	15-25	---	NP
	1-7	Very gravelly sandy loam, very gravelly coarse sandy loam.	SM	A-1	0	75-90	25-50	15-35	10-25	15-25	NP-5
	7-27	Weathered bedrock	---	---	---	---	---	---	---	---	---
	27	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
1530*: Coppereid, eroded-----	0-2	Very gravelly sandy loam.	GM	A-1, A-2	0-10	45-60	35-50	30-40	15-30	20-25	NP-5
	2-6	Gravelly loam	SM	A-4	0-5	70-85	55-75	50-65	40-50	20-25	NP-5
	6	Weathered bedrock	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1530*: Coppereid, uneroded-----	0-2	Very gravelly sandy loam.	GM	A-1, A-2	0-10	45-60	35-50	30-40	15-30	20-25	NP-5
	2-9	Gravelly loam----	SM	A-4	0-5	70-85	55-75	50-65	40-50	20-25	NP-5
	9	Weathered bedrock	---	---	---	---	---	---	---	---	---
Kreza-----	0-1	Gravelly loam----	SM, GM	A-2, A-4	0-10	60-80	50-75	30-50	25-40	20-25	NP-5
	1-5	Gravelly loam----	SC, GC	A-2, A-6	0-10	60-80	50-75	40-60	30-50	25-35	10-15
	5	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1540*: Foxcan-----	0-1	Very gravelly loam.	GM	A-1, A-2	0-10	45-65	35-50	30-40	20-30	20-25	NP-5
	1-5	Gravelly loam, gravelly sandy loam.	SM, GM	A-2, A-4	0-10	60-80	50-75	40-60	30-50	20-25	NP-5
	5-21	Weathered bedrock	---	---	---	---	---	---	---	---	---
Sojur-----	0-4	Extremely channery loam.	GM-GC	A-2	15-30	40-50	20-30	15-25	10-20	25-30	5-10
	4-15	Weathered bedrock	---	---	---	---	---	---	---	---	---
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Rock outcrop.											
550*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
Ister-----	0-6	Very stony loam	GM-GC, SM-SC	A-2, A-4	15-40	60-85	50-80	40-60	30-50	20-30	5-10
	6-29	Very stony sandy clay loam, very stony clay loam.	GC, SC	A-2, A-6, A-7	35-45	60-85	55-80	40-60	30-50	35-45	15-20
	29	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1552*: Wylo-----	0-4	Very stony loam	SM, SM-SC, GM, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	4-15	Gravelly clay, gravelly clay loam, cobbly clay.	SC, GC	A-7	10-30	60-90	55-85	50-70	35-50	40-50	15-25
	15	Unweathered bedrock.	---	---	---	---	---	---	---	---	---

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
1552*: Bucklake-----	0-8	Very stony loam	CL, CL-ML, SC, SM-SC	A-4, A-6	35-60	70-85	65-80	55-70	40-55	25-35	5-15
	8-12	Gravelly clay loam.	CL, GC	A-6	0-10	55-75	50-70	45-65	40-55	30-40	10-20
	12-24	Gravelly clay, gravelly clay loam.	CL, CH, GC	A-7	0-10	55-75	50-70	45-65	40-60	40-60	20-35
	24	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1560*: Manogue-----	0-4	Very cobbly clay	CH, MH	A-7	50-55	85-95	75-85	70-80	65-70	55-65	25-35
	4-25	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	25-47	Clay, silty clay	CH, MH	A-7	0-5	95-100	90-100	80-100	65-90	55-65	25-35
	47	Weathered bedrock	---	---	---	---	---	---	---	---	---
Ceejay-----	0-2	Very stony loam	SC, SM-SC, GC, GM-GC	A-2, A-4	15-35	60-85	50-80	40-60	30-50	25-35	5-10
	2-16	Gravelly clay loam, gravelly clay, cobbly clay loam.	SC, GC	A-7	10-25	65-90	60-85	50-70	35-50	40-50	15-25
	16	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
1570----- Espil	0-7	Gravelly sandy loam.	SM	A-1	0-10	75-90	50-75	30-50	15-20	20-25	NP-5
	7-10	Gravelly clay, clay, clay loam.	CL, CH	A-7	0-5	85-100	70-100	65-100	55-95	45-65	20-40
	10-14	Indurated material.	---	---	---	---	---	---	---	---	---
	14-60	Cemented material	---	---	---	---	---	---	---	---	---
1580*: Troocken-----	0-3	Very gravelly sandy loam.	GM, SM	A-1	0-10	45-65	35-50	25-40	10-20	20-25	NP-5
	3-60	Stratified gravelly loam to extremely gravelly loamy coarse sand.	GM, SM	A-1	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
Ganaflan-----	0-4	Gravelly loam----	GM, SM	A-4	0-5	60-80	55-75	50-65	35-50	20-25	NP-5
	4-32	Stratified loam to very gravelly loam.	GM, SM, ML	A-4	0-5	60-96	50-90	45-75	35-60	20-25	NP-5
	32-48	Unweathered bedrock.	---	---	---	---	---	---	---	---	---
	48-60	Stratified sand to very gravelly coarse sand.	GP-GM, GM, SP-SM, SM	A-1	0-5	40-90	35-85	20-50	5-15	---	NP
Bluewing-----	0-7	Very gravelly loamy sand.	GP-GM	A-1	5-15	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified very gravelly coarse sand to extremely gravelly loamy sand.	GP-GM	A-1	15-25	30-40	25-35	15-25	5-10	---	NP

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1581*: Troocken-----	0-3	Very stony sandy loam.	SM	A-2, A-4	10-15	65-85	60-80	40-60	25-40	20-25	NP-5
	3-60	Stratified extremely gravelly loamy coarse sand to very cobbly loam.	GM-GC, GP-GC	A-2	5-40	20-60	15-40	10-35	5-25	20-30	5-10
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Hawsley-----	0-8	Fine sand-----	SM	A-2	0	100	100	75-95	15-30	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
1590*: Typic Torriorthents--	0-5	Very gravelly coarse sand.	GP, SP, GM, SM	A-1, A-2, A-3	0-15	40-100	25-100	5-80	0-25	---	NP
	5-60	Sand, gravelly loamy fine sand, extremely gravelly coarse sand.	GP, SP, GM, SM	A-1, A-2, A-3	0-15	15-100	10-100	0-70	0-25	---	NP
Ragtown-----	0-10	Silty clay loam	CL, ML	A-7	0	100	100	95-100	80-90	40-50	15-20
	10-23	Stratified sandy clay loam to silty clay loam.	CL	A-6, A-7	0	100	100	80-95	50-75	35-45	15-20
	23-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25
1600----- Dithod	0-10	Loam-----	SM, SM-SC, ML, CL-ML	A-4	0	90-100	90-100	70-80	45-65	25-35	5-10
	10-40	Stratified fine sandy loam to loam.	SM, SM-SC, ML, CL-ML	A-4	0	90-100	90-100	60-85	40-60	25-35	5-10
	40-60	Stratified sand to loam.	SM	A-2, A-4	0	90-100	90-100	60-75	25-45	20-25	NP-5
1601*: Dithod-----	0-10	Loam-----	SM, SM-SC, ML, CL-ML	A-4	0	90-100	90-100	70-80	45-65	25-35	5-10
	10-40	Stratified fine sandy loam to loam.	SM, SM-SC, ML, CL-ML	A-4	0	90-100	90-100	60-85	40-60	25-35	5-10
	40-60	Stratified sand to loam.	SM	A-2, A-4	0	90-100	90-100	60-75	25-45	20-25	NP-5

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1601*: Fluvaquents-----	0-6	Very gravelly coarse sand.	SP, SP-SM, SM, GP-GM	A-1	0-10	45-60	35-50	15-25	0-15	---	NP
	6-60	Stratified very gravelly coarse sand to clay loam.	SP-SM, GP-GM, SM-SC, SM	A-1, A-2	0-30	20-70	10-60	5-30	5-15	15-30	NP-10
1620*: Mazuma, 4 to 8 percent slopes-	0-8	Very fine sandy loam.	ML	A-4	0	95-100	85-100	70-90	50-65	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Mazuma, 0 to 4 percent slopes-	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Hawsley-----	0-8	Loamy sand-----	SM	A-2	0	100	90-100	60-75	20-35	---	NP
	8-42	Stratified fine sand to coarse sand.	SM, SP-SM	A-2, A-3	0	85-100	75-100	55-70	5-25	---	NP
	42-60	Fine sand-----	SM, SP-SM	A-2, A-3	0	100	100	75-90	5-25	---	NP
1621*: Mazuma fine sandy loam-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Mazuma loam, clayey substratum----	0-8	Loam-----	ML	A-4	0	95-100	90-100	65-80	55-70	15-25	NP-5
	8-40	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
	40-60	Stratified silty clay loam to clay.	CL, CH, MH	A-7	0	100	100	90-100	75-85	40-55	20-25

See footnote at end of table.

TABLE 7.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments >3 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
	<u>In</u>				<u>Pct</u>					<u>Pct</u>	
1630*: Veta-----	0-6	Very gravelly sandy loam.	GM	A-1	0-25	40-55	35-50	20-35	10-20	---	NP
	6-18	Extremely gravelly loam, very gravelly sandy loam, very gravelly loam.	GM	A-1, A-2	10-30	40-55	30-50	20-40	15-30	---	NP
	18-60	Stratified extremely gravelly loamy sand to very gravelly loam.	GP-GM, GM	A-1	10-25	30-55	20-50	15-35	5-20	---	NP
Mazuma-----	0-8	Fine sandy loam	SM	A-2, A-4	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified gravelly coarse sand to silt loam.	SM	A-4	0	95-100	80-100	70-90	35-50	20-25	NP-5
Mazuma, moderately saline-----	0-8	Fine sandy loam	SM	A-2, A-4	0	100	100	70-90	30-50	20-25	NP-5
	8-30	Sandy loam, fine sandy loam.	SM	A-4, A-2	0	100	100	90-100	30-50	20-25	NP-5
	30-60	Stratified silt loam to gravelly coarse sand.	SM, ML	A-2, A-4	0	75-100	70-85	50-75	25-55	20-25	NP-5

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

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS

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

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
120*: Home Camp-----	0-6	10-20	1.20-1.40	0.6-2.0	0.14-0.16	6.1-7.3	<2	Low-----	0.15	2	8	2-4
	6-15	25-35	1.30-1.50	0.2-0.6	0.15-0.18	6.1-7.3	<2	Low-----	0.10			
	15-26	40-50	1.25-1.40	0.2-0.6	0.12-0.14	6.1-7.3	<2	Moderate	0.05			
	26	---	---	---	---	---	---	---	---			
Newlands-----	0-8	10-25	1.30-1.40	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.24	2	8	2-4
	8-41	27-35	1.30-1.40	0.2-0.6	0.15-0.18	6.1-7.3	<2	Moderate	0.28			
	41	---	---	---	---	---	---	---	---			
131*: Devada-----	0-2	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	2-12	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	12	---	---	---	---	---	---	---	---			
Hart Camp-----	0-3	10-17	1.30-1.45	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.20	1	6	2-4
	3-13	20-35	1.35-1.50	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate	0.24			
	13	---	---	---	---	---	---	---	---			
Tunnison-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	---	---			
	38	---	---	---	---	---	---	---	---			
133*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	---	---			
Tunnison-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-24	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	24-34	---	---	---	---	---	---	---	---			
	34	---	---	---	---	---	---	---	---			
Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	6	1-3
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	---	---			
134*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	---	---			
Dosie-----	0-5	15-25	1.20-1.30	0.6-2.0	0.09-0.11	6.1-7.3	<2	Low-----	0.15	3	7	1-3
	5-41	35-50	1.10-1.30	0.06-0.2	0.10-0.12	6.6-7.3	<2	Moderate	0.10			
	41	---	---	---	---	---	---	---	---			
Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
135*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
Hart Camp-----	0-3	10-17	1.30-1.45	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.20	1	6	2-4
	3-13	20-35	1.35-1.50	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate	0.24			
	13	---	---	---	---	---	---	-----	-----			
136*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
Tunnison-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	-----			
	38	---	---	---	---	---	---	-----	-----			
137*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
Tunnison-----	0-1	55-65	1.20-1.40	0.06-0.2	0.06-0.10	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	-----			
	38	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
138*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	-----			
Tunnison-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	-----			
	38	---	---	---	---	---	---	-----	-----			
150*: Skedaddle-----	0-5	18-27	1.40-1.60	0.6-2.0	0.06-0.10	6.6-7.8	<2	Low-----	0.28	1	7	1-2
	5-8	---	---	---	---	---	---	-----	-----			
	8-20	---	---	---	---	---	---	-----	-----			
Old Camp-----	0-2	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
151*: Skedaddle-----	0-5	18-27	1.40-1.60	0.6-2.0	0.06-0.10	6.6-7.8	<2	Low-----	0.28	1	7	1-2
	5-8	---	---	---	---	---	---	-----	-----			
	8-20	---	---	---	---	---	---	-----	-----			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
151*: Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	---			
Rock outcrop.												
160*: Dun Glen-----	0-4	10-15	1.40-1.55	0.6-2.0	0.13-0.15	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	4-11	11-16	1.35-1.55	0.6-2.0	0.13-0.15	7.4-8.4	2-4	Low-----	0.43			
	11-60	9-14	1.35-1.55	0.6-2.0	0.11-0.13	>7.8	2-4	Low-----	0.32			
Davey-----	0-4	5-10	1.45-1.65	2.0-6.0	0.08-0.10	7.4-7.8	<2	Low-----	0.20	5	2	.5-.8
	4-17	8-15	1.40-1.60	2.0-6.0	0.09-0.12	7.4-8.4	<2	Low-----	0.28			
	17-42	5-10	1.50-1.65	6.0-20	0.08-0.10	7.9-9.0	<2	Low-----	0.20			
	42-60	10-18	1.40-1.60	0.6-2.0	0.16-0.19	7.9-9.0	2-4	Low-----	0.55			
Hawsley-----	0-8	5-12	1.50-1.65	6.0-20	0.06-0.08	6.6-8.4	<2	Low-----	0.15	5	2	<.5
	8-42	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	42-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
170*: Zorravista-----	0-3	0-5	1.45-1.60	>20.0	0.05-0.07	7.9-8.4	<4	Low-----	0.17	5	1	.5-1
	3-60	0-5	1.50-1.65	>20.0	0.05-0.07	7.4-9.0	<4	Low-----	0.17			
Davey-----	0-4	5-10	1.45-1.65	2.0-6.0	0.08-0.10	7.4-7.8	<2	Low-----	0.20	5	2	.5-.8
	4-17	8-15	1.40-1.60	2.0-6.0	0.09-0.12	7.4-8.4	<2	Low-----	0.28			
	17-42	5-10	1.50-1.65	6.0-20	0.08-0.10	7.9-9.0	<2	Low-----	0.20			
	42-60	10-18	1.40-1.60	0.6-2.0	0.16-0.19	7.9-9.0	2-4	Low-----	0.55			
171----- Zorravista	0-4	0-5	1.45-1.60	>20.0	0.05-0.07	7.9-8.4	<4	Low-----	0.17	5	1	.5-1
	4-60	0-5	1.50-1.65	>20.0	0.05-0.07	7.4-9.0	<4	Low-----	0.17			
172*: Zorravista-----	0-4	0-5	1.45-1.60	>20.0	0.05-0.07	7.9-8.4	<4	Low-----	0.17	5	1	.5-1
	4-60	0-5	1.50-1.65	>20.0	0.05-0.07	7.4-9.0	<4	Low-----	0.17			
Swingler-----	0-6	5-20	1.35-1.55	2.0-6.0	0.10-0.13	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	6-60	18-25	1.45-1.65	0.2-0.6	0.19-0.21	>8.4	4-16	Moderate	0.49			
181*: Tunnison-----	0-1	55-60	1.20-1.40	0.06-0.2	0.08-0.10	7.4-7.8	<2	High-----	0.20	2	7	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.10-0.12	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	---			
	38	---	---	---	---	---	---	-----	---			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	---			
182*: Tunnison, cobbly	0-1	55-60	1.20-1.40	0.06-0.2	0.08-0.10	7.4-7.8	<2	High-----	0.20	2	7	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.10-0.12	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	---			
	38	---	---	---	---	---	---	-----	---			
Rubble land-----	0-60	0	---	>20	0.-0.1	---	<2	Low-----	---	---	8	<.1

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
182*: Tunnison, very cobbly-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	---			
	38	---	---	---	---	---	---	-----	---			
183*: Tunnison, very cobbly-----	0-1	55-65	1.10-1.30	0.06-0.2	0.06-0.09	7.4-7.8	<2	High-----	0.10	2	8	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.12-0.15	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	---			
	38	---	---	---	---	---	---	-----	---			
Tunnison, cobbly	0-1	55-60	1.20-1.40	0.06-0.2	0.08-0.10	7.4-7.8	<2	High-----	0.20	2	7	<1
	1-31	60-70	1.10-1.30	0.06-0.2	0.10-0.12	7.4-7.8	<2	High-----	0.20			
	31-38	---	---	---	---	---	---	-----	---			
	38	---	---	---	---	---	---	-----	---			
190*: Swingler fine sandy loam-----	0-6	7-13	1.35-1.55	2.0-6.0	0.10-0.13	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	6-60	18-25	1.25-1.45	0.2-0.6	0.15-0.19	>7.8	4-16	Moderate	0.49			
Swingler loamy sand-----	0-4	0-7	1.45-1.65	6.0-20	0.06-0.08	7.4-8.4	2-4	Low-----	0.17	5	2	<.4
	4-60	18-25	1.25-1.45	0.2-0.6	0.15-0.19	>7.8	4-16	Moderate	0.49			
193*: Swingler-----	0-6	15-25	1.25-1.45	0.2-0.6	0.17-0.19	>8.4	>16	Low-----	0.55	5	4L	.5-1
	6-19	15-25	1.30-1.50	0.2-0.6	0.13-0.17	7.4-9.0	>16	Moderate	0.37			
	19-60	18-25	1.40-1.55	0.2-0.6	0.15-0.19	>7.8	>8	Moderate	0.49			
	60-70	35-45	1.30-1.45	0.2-0.6	0.19-0.21	>7.8	>8	High-----	0.55			
Ragtown-----	0-10	28-35	1.30-1.45	0.2-0.6	0.16-0.18	>8.4	>16	Moderate	0.32	5	4L	<1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
200*: Churchill-----	0-2	10-15	1.35-1.55	2.0-6.0	0.06-0.09	>9.0	>16	Low-----	0.10	5	5	<.5
	2-21	35-45	1.30-1.50	<0.06	0.14-0.16	8.5-9.0	>16	High-----	0.17			
	21-60	40-55	1.40-1.60	<0.06	0.15-0.17	8.5-9.0	>16	High-----	0.32			
Swingler-----	0-6	7-13	1.35-1.55	2.0-6.0	0.10-0.13	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	6-60	18-25	1.25-1.45	0.2-0.6	0.15-0.19	>7.8	4-16	Moderate	0.49			
210*: Veta-----	0-6	5-15	1.35-1.50	2.0-6.0	0.09-0.13	6.6-8.4	<2	Low-----	0.24	5	4	.8-2
	6-18	5-15	1.40-1.60	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
	18-60	2-15	1.50-1.70	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
Langston-----	0-4	10-20	1.25-1.50	0.6-2.0	0.10-0.12	6.6-7.8	<2	Low-----	0.32	1	6	1-2
	4-20	20-35	1.35-1.50	0.2-0.6	0.12-0.14	6.6-7.8	<2	Moderate	0.17			
	20-60	0-5	1.40-1.60	>20	0.02-0.04	7.4-8.4	<2	Low-----	0.10			
212*: Veta-----	0-6	5-15	1.35-1.50	2.0-6.0	0.09-0.13	6.6-8.4	<2	Low-----	0.24	5	4	.8-2
	6-18	5-15	1.40-1.60	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
	18-60	2-15	1.50-1.70	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
212*: Troocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
220----- Cewat	0-2	10-20	1.30-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.17	2	6	1-2
	2-30	15-25	1.35-1.55	0.6-2.0	0.07-0.11	6.6-9.0	<2	Low-----	0.10			
	30	---	---	---	---	---	---	-----				
241*: Benin, rarely flooded-----	0-8	30-40	1.30-1.50	0.06-0.2	0.19-0.21	7.9-9.0	8-16	High-----	0.37	5	4L	<.5
	8-60	40-50	1.50-1.70	<0.06	0.14-0.16	>7.8	4-16	High-----	0.37			
Benin, occasionally flooded-----	0-1	27-40	1.45-1.65	0.2-0.6	0.19-0.21	>7.8	8-16	Moderate	0.43	5	4L	<.5
	1-60	40-50	1.50-1.70	<0.06	0.15-0.17	>7.8	>16	High-----	0.43			
250*: Old Camp-----	0-1	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	1-15	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	15	---	---	---	---	---	---	-----				
Reywat-----	0-10	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	10-14	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	14-19	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	19	---	---	---	---	---	---	-----				
Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
14	---	---	---	---	---	---	---	-----				
251*: Old Camp-----	0-2	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	-----				
Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----				
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
34	---	---	---	---	---	---	---	-----				
258*: Old Camp-----	0-2	10-20	1.35-1.50	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.17	1	5	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	-----				
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----				
Theon-----	0-2	10-20	1.40-1.55	2.0-6.0	0.06-0.09	6.6-8.4	<2	Low-----	0.05	1	8	<.5
	2-11	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	11	---	---	---	---	---	---	-----				

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
261*: Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			
Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	---	---			
262*: Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.06-0.10	6.6-8.4	<2	Low-----	0.17	2	8	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			
Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	---	---			
Terca-----	0-3	15-25	1.25-1.35	0.6-2.0	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	3-17	27-35	1.25-1.40	0.2-0.6	0.10-0.12	6.6-7.8	<2	Low-----	0.17			
	17	---	---	---	---	---	---	---	---			
264*: Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			
Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	---	---			
271*: Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	---	---			
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			
Bucklake-----	0-9	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	9-13	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	13-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	---	---			
272*: Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	---	---			
Manogue-----	0-4	40-55	1.20-1.40	<0.06	0.14-0.16	6.1-8.4	<2	High-----	0.24	3	5	1-2
	4-20	40-55	1.25-1.40	<0.06	0.13-0.15	7.4-8.4	<4	High-----	0.28			
	20-59	40-55	1.25-1.40	<0.06	0.13-0.15	7.4-8.4	2-8	High-----	0.28			
59	---	---	---	---	---	---	---	---				
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
273*:												
Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	-----	-----			
Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
274*:												
Wylo-----	0-4	15-25	1.20-1.30	0.2-0.6	0.08-0.10	6.6-7.8	<2	Low-----	0.10	1	8	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
279*:												
Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	-----	-----			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
280*:												
Bombadil-----	0-2	10-15	1.35-1.50	2.0-6.0	0.10-0.12	6.6-7.8	<2	Low-----	0.24	1	5	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	-----	-----			
Old Camp-----	0-2	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	-----	-----			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	-----			
282*:												
Bombadil-----	0-2	10-15	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.32	1	7	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	-----	-----			
Hefed-----	0-2	10-20	1.35-1.55	6.0-20	0.03-0.08	6.6-7.8	<2	Low-----	0.10	5	6	.6-2
	2-12	18-27	1.25-1.45	2.0-6.0	0.03-0.11	6.6-8.4	<2	Moderate	0.17			
	12-60	5-10	1.55-1.70	6.0-20	0.02-0.06	6.6-8.4	<2	Low-----	0.10			
Rubble land-----	0-60	0	---	>20	0.-0.1	---	<2	Low-----	---	---	8	<.1

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
283*: Bombadil-----	0-2	12-20	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.28	1	6	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	---	---			
Ceejay-----	0-2	15-25	1.20-1.35	0.6-2.0	0.10-0.12	7.9-8.4	<2	Low-----	0.15	1	7	1-2
	2-16	35-45	1.15-1.30	0.06-0.2	0.13-0.15	7.9-8.4	<4	High-----	0.15			
	16	---	---	---	---	---	---	---	---			
284*: Bombadil-----	0-2	12-20	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.28	1	6	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	---	---			
Corral-----	0-4	15-25	1.35-1.50	0.6-2.0	0.10-0.13	6.6-7.3	<2	Low-----	0.24	1	6	1-2
	4-12	20-35	1.35-1.50	0.2-0.6	0.13-0.19	6.6-7.8	<2	Moderate	0.32			
	12	---	---	---	---	---	---	---	---			
310*: Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	---	---			
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	---	---			
312*: Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	---	---			
Old Camp-----	0-2	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	---	---			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	---	---			
313*: Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	---	---			
Bombadil-----	0-2	10-15	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.32	1	7	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	---	---			
Old Camp-----	0-2	10-20	1.25-1.45	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
314*: Jaybee-----	0-8 8-14 14	15-20 35-45 ---	1.35-1.50 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.16-0.18 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	5 5 ---	.8-2 .8-2 ---
Oppio-----	0-6 6-22 22	10-15 40-50 ---	1.35-1.50 1.25-1.45 ---	2.0-6.0 0.06-0.2 ---	0.08-0.10 0.14-0.16 ---	7.4-7.8 7.4-7.8 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	2 2 ---	8 8 ---	1-2 1-2 ---
Old Camp-----	0-2 2-14 14	10-20 27-35 ---	1.25-1.45 1.30-1.50 ---	2.0-6.0 0.2-0.6 ---	0.11-0.13 0.08-0.11 ---	6.6-7.8 6.6-9.0 ---	<2 <2 ---	Low----- Low----- -----	0.17 0.15 ---	1 1 ---	8 8 ---	1-2 1-2 ---
315*: Jaybee-----	0-8 8-14 14	15-20 35-45 ---	1.35-1.50 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.16-0.18 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	5 5 ---	.8-2 .8-2 ---
Bombadil-----	0-2 2-6 6-10 10-20	10-15 18-27 25-35 ---	1.35-1.50 1.25-1.45 1.25-1.45 ---	0.6-2.0 0.2-0.6 0.2-0.6 ---	0.11-0.14 0.15-0.17 0.16-0.18 ---	6.6-7.8 6.6-7.8 6.6-7.8 ---	<2 <2 <2 ---	Low----- Moderate Moderate -----	0.32 0.32 0.28 ---	1 1 1 ---	7 7 7 ---	1-2 1-2 1-2 ---
Rock outcrop.												
316*: Jaybee-----	0-8 8-14 14	15-20 35-45 ---	1.35-1.50 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.16-0.18 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	5 5 ---	.8-2 .8-2 ---
Manogue-----	0-4 4-25 25-47 47	40-55 40-55 40-55 ---	1.20-1.40 1.25-1.40 1.25-1.40 ---	<0.06 <0.06 <0.06 ---	0.11-0.13 0.13-0.15 0.13-0.15 ---	6.1-8.4 7.4-8.4 7.4-8.4 ---	<2 <4 2-8 ---	High----- High----- High----- -----	0.15 0.28 0.28 ---	3 3 3 ---	8 8 8 ---	1-2 1-2 1-2 ---
Fulstone-----	0-5 5-17 17-40	10-20 45-60 ---	1.35-1.50 1.20-1.35 ---	0.6-2.0 0.06-0.2 ---	0.09-0.12 0.12-0.16 ---	6.1-7.3 6.6-8.4 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
317*: Jaybee-----	0-8 8-14 14	15-20 35-45 ---	1.35-1.50 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.16-0.18 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	5 5 ---	.8-2 .8-2 ---
Corral-----	0-4 4-12 12	8-15 20-35 ---	1.40-1.55 1.35-1.50 ---	2.0-6.0 0.2-0.6 ---	0.06-0.09 0.06-0.09 ---	6.6-7.3 6.6-7.8 ---	<2 <2 ---	Low----- Moderate -----	0.17 0.32 ---	1 1 ---	8 8 ---	1-2 1-2 ---
Oppio-----	0-6 6-27 27	10-15 40-50 ---	1.35-1.50 1.25-1.45 ---	2.0-6.0 0.06-0.2 ---	0.08-0.10 0.14-0.16 ---	7.4-7.8 7.4-7.8 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	2 2 ---	8 8 ---	1-2 1-2 ---
318*: Jaybee-----	0-8 8-14 14	18-25 35-45 ---	1.25-1.40 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.07-0.09 0.16-0.18 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	8 8 ---	1-2 1-2 ---
Reywat-----	0-6 6-12 12-18 18	8-18 24-35 24-35 ---	1.35-1.55 1.35-1.55 1.35-1.55 ---	0.6-2.0 0.2-0.6 0.2-0.6 ---	0.08-0.12 0.10-0.14 0.07-0.12 ---	6.6-7.8 6.6-8.4 6.6-8.4 ---	<2 <2 <2 ---	Low----- Moderate Moderate -----	0.15 0.15 0.15 ---	1 1 1 ---	8 8 8 ---	1-3 1-3 1-3 ---

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
330*: Hart Camp-----	0-6	10-17	1.30-1.45	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.20	1	6	2-4
	6-15	20-35	1.35-1.50	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate	0.24			
	15-19	---	---	---	---	---	---	---	---			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	---	---			
340*: Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.08-0.12	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	---	---			
Rock outcrop.												
344*: Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.08-0.12	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	---	---			
Ister-----	0-17	15-27	1.25-1.45	0.6-2.0	0.09-0.11	6.6-7.8	<2	Low-----	0.15	2	8	1-2
	17-38	25-35	1.40-1.60	0.2-0.6	0.09-0.14	6.6-7.8	<2	Moderate	0.10			
	38	---	---	---	---	---	---	---	---			
362----- Brubeck	0-3	40-60	1.10-1.25	0.06-0.2	0.07-0.10	6.6-8.4	<2	High-----	0.15	2	8	1-2
	3-29	40-60	1.15-1.30	0.06-0.2	0.14-0.16	6.6-8.4	<2	High-----	0.28			
	29	---	---	---	---	---	---	---	---			
370*: Terca-----	0-3	15-25	1.25-1.35	0.6-2.0	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	3-17	27-35	1.25-1.40	0.2-0.6	0.10-0.12	6.6-7.8	<2	Low-----	0.17			
	17	---	---	---	---	---	---	---	---			
Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	---	---			
Rock outcrop.												
371*: Terca-----	0-3	15-25	1.25-1.35	0.6-2.0	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	3-17	27-35	1.25-1.40	0.2-0.6	0.10-0.12	6.6-7.8	<2	Low-----	0.17			
	17	---	---	---	---	---	---	---	---			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	---	---			
Rock outcrop.												
372*: Terca-----	0-3	15-25	1.25-1.35	0.6-2.0	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	3-17	27-35	1.25-1.40	0.2-0.6	0.10-0.12	6.6-7.8	<2	Low-----	0.17			
	17	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
372*: Devada-----	0-4 4-13 13	15-27 40-60 ---	1.10-1.30 1.20-1.40 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.14-0.16 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Moderate High----- -----	0.17 0.17 ---	1 1 ---	8 8 ---	1-3 1-3 ---
373*: Terca-----	0-3 3-17 17	15-25 27-35 ---	1.25-1.35 1.25-1.40 ---	0.6-2.0 0.2-0.6 ---	0.09-0.11 0.10-0.12 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- Low----- -----	0.15 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Softscrabble----	0-20 20-32 32-61 61	10-20 27-35 25-40 ---	1.20-1.40 1.25-1.45 1.35-1.55 ---	0.6-2.0 0.2-0.6 0.06-0.2 ---	0.08-0.10 0.08-0.10 0.16-0.19 ---	6.1-7.3 6.1-7.3 6.1-7.3 ---	<2 <2 <2 ---	Low----- Moderate Moderate -----	0.15 0.20 0.32 ---	5 5 5 ---	6 6 6 ---	1-3 1-3 1-3 ---
Devada-----	0-4 4-13 13	15-27 40-60 ---	1.10-1.30 1.20-1.40 ---	0.6-2.0 0.06-0.2 ---	0.08-0.10 0.14-0.16 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Moderate High----- -----	0.17 0.17 ---	1 1 ---	8 8 ---	1-3 1-3 ---
374*: Terca-----	0-3 3-17 17	15-25 27-35 ---	1.25-1.35 1.25-1.40 ---	0.6-2.0 0.2-0.6 ---	0.09-0.11 0.10-0.12 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- Low----- -----	0.15 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Reywat-----	0-6 6-12 12-18 18	8-18 24-35 24-35 ---	1.35-1.55 1.35-1.55 1.35-1.55 ---	0.6-2.0 0.2-0.6 0.2-0.6 ---	0.09-0.13 0.10-0.14 0.07-0.12 ---	6.6-7.8 6.6-8.4 6.6-8.4 ---	<2 <2 <2 ---	Low----- Moderate Moderate -----	0.15 0.15 0.15 ---	1 1 1 ---	8 8 8 ---	1-3 1-3 1-3 ---
Wylo-----	0-4 4-15 15	18-27 35-50 ---	1.20-1.30 1.10-1.30 ---	0.2-0.6 0.06-0.2 ---	0.09-0.11 0.13-0.15 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.15 0.15 ---	1 1 ---	7 7 ---	1-2 1-2 ---
420*: Fulstone-----	0-2 2-14 14-60	10-20 45-60 ---	1.35-1.50 1.20-1.35 ---	0.6-2.0 0.06-0.2 ---	0.09-0.12 0.12-0.16 ---	6.1-7.3 6.6-8.4 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Wylo-----	0-4 4-15 15	18-27 35-50 ---	1.20-1.30 1.10-1.30 ---	0.2-0.6 0.06-0.2 ---	0.09-0.11 0.13-0.15 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.15 0.15 ---	1 1 ---	7 7 ---	1-2 1-2 ---
421*: Fulstone-----	0-5 5-17 17-40	10-20 45-60 ---	1.35-1.50 1.20-1.35 ---	0.6-2.0 0.06-0.2 ---	0.09-0.12 0.12-0.16 ---	6.1-7.3 6.6-8.4 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Chalco-----	0-3 3-15 15	15-25 40-60 ---	1.20-1.35 1.25-1.45 ---	0.6-2.0 <0.06 ---	0.12-0.15 0.12-0.15 ---	6.1-7.8 6.1-7.8 ---	<2 <2 ---	Low----- High----- -----	0.10 0.24 ---	1 1 ---	8 8 ---	1-2 1-2 ---
422----- Fulstone	0-5 5-17 17-40	10-20 45-60 ---	1.35-1.50 1.20-1.35 ---	0.6-2.0 0.06-0.2 ---	0.09-0.12 0.12-0.16 ---	6.1-7.3 6.6-8.4 ---	<2 <2 ---	Low----- High----- -----	0.28 0.17 ---	1 1 ---	7 7 ---	1-2 1-2 ---
441*: Rezave-----	0-2 2-15 15	10-18 35-55 ---	1.40-1.55 1.25-1.45 ---	0.6-2.0 0.06-0.2 ---	0.06-0.08 0.12-0.15 ---	6.6-8.4 7.9-9.0 ---	<2 2-4 ---	Low----- High----- -----	0.15 0.37 ---	1 1 ---	7 7 ---	<.5 <.5 ---

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
441*: Theon-----	0-2	10-20	1.40-1.55	2.0-6.0	0.06-0.09	6.6-8.4	<2	Low-----	0.05	1	8	<.5
	2-11	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	11	---	---	---	---	---	---	-----	---			
460*: Chill-----	0-2	5-10	1.35-1.50	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low-----	0.05	1	7	.6-2
	2-14	25-35	1.30-1.50	0.2-0.6	0.10-0.13	6.6-7.8	<2	Moderate	0.05			
	14-21	---	---	---	---	---	---	-----	---			
Jaybee-----	0-8	18-25	1.25-1.40	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.20	1	8	1-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	---			
491----- Oppio	0-6	10-15	1.35-1.50	2.0-6.0	0.08-0.10	7.4-7.8	<2	Low-----	0.28	2	8	1-2
	6-27	40-50	1.25-1.45	0.06-0.2	0.14-0.16	7.4-7.8	<2	High-----	0.17			
	27	---	---	---	---	---	---	-----	---			
500----- Smaug	0-10	7-12	1.35-1.50	0.6-2.0	0.13-0.15	7.9-9.0	2-4	Low-----	0.55	5	3	<.5
	10-60	10-18	1.50-1.65	0.2-0.6	0.14-0.16	7.9-9.0	8-16	Low-----	0.64			
510*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	---			
Bombadil-----	0-2	10-15	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.32	1	7	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	-----	---			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	---			
511*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	---			
Corral-----	0-6	15-25	1.35-1.50	0.6-2.0	0.09-0.12	6.6-7.3	<2	Low-----	0.17	1	8	1-2
	6-15	20-35	1.35-1.50	0.2-0.6	0.06-0.09	6.6-7.8	<2	Moderate	0.32			
	15	---	---	---	---	---	---	-----	---			
Rubble land-----	0-60	0	---	>20	0.-0.1	---	<2	Low-----	---	---	8	<.1
513*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	---			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
515*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	-----			
Reywat-----	0-6	8-18	1.35-1.55	0.6-2.0	0.09-0.13	6.6-7.8	<2	Low-----	0.15	1	8	1-3
	6-12	24-35	1.35-1.55	0.2-0.6	0.10-0.14	6.6-8.4	<2	Moderate	0.15			
	12-18	24-35	1.35-1.55	0.2-0.6	0.07-0.12	6.6-8.4	<2	Moderate	0.15			
	18	---	---	---	---	---	---	-----	-----			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.07-0.09	6.1-7.8	<2	Moderate	0.15	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
517*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	-----			
Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
518*: Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	-----			
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	-----	-----			
Wylo-----	0-4	18-27	1.20-1.30	0.2-0.6	0.09-0.11	6.6-7.8	<2	Low-----	0.15	1	7	1-2
	4-15	35-50	1.10-1.30	0.06-0.2	0.13-0.15	6.6-7.8	<2	High-----	0.15			
	15	---	---	---	---	---	---	-----	-----			
540*: Mazuma loamy fine sand-----	0-10	3-8	1.50-1.65	2.0-6.0	0.11-0.13	>7.8	<4	Low-----	0.37	5	2	<.5
	10-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Mazuma fine sandy loam-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
541----- Mazuma	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
542*:												
Mazuma-----	0-8	5-15	1.40-1.55	0.6-2.0	0.19-0.21	>8.4	8-16	Low-----	0.55	5	4L	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
Ragtown-----	0-10	27-35	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<.5
	10-23	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32			
543*:												
Mazuma-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
Swingler-----	0-6	15-25	1.25-1.45	0.2-0.6	0.17-0.19	>8.4	>16	Low-----	0.55	5	4L	.5-1
	6-19	15-25	1.30-1.50	0.2-0.6	0.13-0.17	7.4-9.0	>16	Moderate	0.37			
	19-60	18-25	1.40-1.55	0.2-0.6	0.15-0.19	>7.8	>8	Moderate	0.49			
	60-70	35-45	1.30-1.45	0.2-0.6	0.19-0.21	>7.8	>8	High-----	0.55			
545*:												
Mazuma-----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Davey-----	0-5	5-10	1.40-1.60	2.0-6.0	0.11-0.13	6.6-7.8	<2	Low-----	0.20	5	3	.8-2
	5-14	10-15	1.40-1.60	2.0-6.0	0.13-0.15	6.6-8.4	<2	Low-----	0.28			
	14-67	2-8	1.50-1.65	6.0-20	0.05-0.10	7.9-9.0	<2	Low-----	0.17			
Mazuma, moderately saline-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
546*:												
Mazuma-----	0-8	10-14	1.40-1.55	0.6-2.0	0.13-0.15	>7.8	<4	Low-----	0.43	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Mazuma, moderately saline-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
547-----												
Mazuma	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
548-----												
Mazuma	0-8	5-15	1.40-1.55	0.6-2.0	0.19-0.21	>8.4	8-16	Low-----	0.55	5	4L	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
549*:												
Mazuma-----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Smaug-----												
	0-10	8-12	1.35-1.50	2.0-6.0	0.12-0.14	7.9-9.0	2-4	Low-----	0.28	5	3	<.5
	10-60	10-18	1.50-1.65	0.2-0.6	0.14-0.16	7.9-9.0	8-16	Low-----	0.64			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
560*:												
Toulon-----	0-4	10-15	1.45-1.65	2.0-6.0	0.12-0.15	7.9-9.0	2-4	Low-----	0.24	5	6	<.5
	4-15	12-15	1.40-1.60	2.0-6.0	0.06-0.08	7.9-9.0	2-4	Low-----	0.20			
	15-60	0-3	1.50-1.65	>20	0.03-0.06	7.9-9.0	2-4	Low-----	0.10			
Mazuma-----	0-8	3-8	1.50-1.65	2.0-6.0	0.11-0.13	>7.8	<4	Low-----	0.37	5	2	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Hawsley-----	0-8	5-12	1.50-1.65	6.0-20	0.06-0.08	6.6-8.4	<2	Low-----	0.15	5	2	<.5
	8-42	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	42-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
561*:												
Toulon-----	0-4	12-18	1.45-1.65	2.0-6.0	0.06-0.10	7.9-9.0	2-4	Low-----	0.15	1	6	<.5
	4-15	12-15	1.40-1.60	2.0-6.0	0.06-0.08	7.9-9.0	2-4	Low-----	0.20			
	15-60	0-3	1.50-1.65	>20	0.03-0.06	7.9-9.0	2-4	Low-----	0.10			
Trocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
Mazuma-----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
580*:												
Verdico-----	0-2	8-18	1.35-1.50	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low-----	0.28	2	8	.8-2
	2-22	45-60	1.25-1.40	<0.06	0.13-0.18	6.1-7.3	<2	High-----	0.28			
	22-29	45-60	1.25-1.40	<0.06	0.13-0.18	6.6-7.8	<2	High-----	0.24			
	29-60	---	---	---	---	---	---	-----	---			
Corral-----	0-4	15-25	1.35-1.50	0.6-2.0	0.09-0.12	6.6-7.3	<2	Low-----	0.17	1	8	1-2
	4-12	20-35	1.35-1.50	0.2-0.6	0.06-0.09	6.6-7.8	<2	Moderate	0.32			
	12	---	---	---	---	---	---	-----	---			
581*:												
Verdico-----	0-5	8-18	1.35-1.50	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low-----	0.28	2	5	.8-2
	5-23	45-60	1.25-1.40	<0.06	0.13-0.18	6.1-7.3	<2	High-----	0.28			
	23-30	45-60	1.25-1.40	<0.06	0.13-0.18	6.6-7.8	<2	High-----	0.24			
	30	---	---	---	---	---	---	-----	---			
Chalco-----	0-1	27-35	1.15-1.30	0.2-0.6	0.13-0.16	6.1-7.8	<2	Moderate	0.17	1	8	1-2
	1-10	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.8	<2	High-----	0.24			
	10	---	---	---	---	---	---	-----	---			
590-----												
Buffaran	0-2	15-25	1.25-1.35	0.2-0.6	0.12-0.15	6.6-7.8	<2	Moderate	0.20	1	5	1-2
	2-16	35-50	1.20-1.35	0.06-0.2	0.14-0.16	6.6-8.4	<2	High-----	0.28			
	16-27	---	---	---	---	---	---	-----	---			
	27-60	---	---	---	---	---	---	-----	---			
591*:												
Buffaran-----	0-2	15-25	1.25-1.35	0.2-0.6	0.12-0.15	6.6-7.8	<2	Moderate	0.20	1	5	1-2
	2-16	35-50	1.20-1.35	0.06-0.2	0.14-0.16	6.6-8.4	<2	High-----	0.28			
	16-27	---	---	---	---	---	---	-----	---			
	27-60	---	---	---	---	---	---	-----	---			
Bombadil-----	0-2	10-15	1.35-1.50	0.6-2.0	0.11-0.14	6.6-7.8	<2	Low-----	0.32	1	7	1-2
	2-6	18-27	1.25-1.45	0.2-0.6	0.15-0.17	6.6-7.8	<2	Moderate	0.32			
	6-10	25-35	1.25-1.45	0.2-0.6	0.16-0.18	6.6-7.8	<2	Moderate	0.28			
	10-20	---	---	---	---	---	---	-----	---			
Rock outcrop.												

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
592*: Buffaran-----	0-2	15-25	1.25-1.35	0.2-0.6	0.12-0.15	6.6-7.8	<2	Moderate	0.20	1	5	1-2
	2-16	35-50	1.20-1.35	0.06-0.2	0.14-0.16	6.6-8.4	<2	High-----	0.28			
	16-27	---	---	---	---	---	---	-----	-----			
	27-60	---	---	---	---	---	---	-----	-----			
Corral-----	0-4	8-15	1.40-1.55	2.0-6.0	0.06-0.09	6.6-7.3	<2	Low-----	0.17	1	8	1-2
	4-12	20-35	1.35-1.50	0.2-0.6	0.06-0.09	6.6-7.8	<2	Moderate	0.32			
	12	---	---	---	---	---	---	-----	-----			
610*: Haybourne-----	0-6	2-10	1.45-1.65	6.0-20	0.07-0.08	6.6-7.8	<2	Low-----	0.15	5	2	.5-.8
	6-27	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	27-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
Mottsville-----	0-15	3-10	1.40-1.60	>6.0	0.06-0.08	5.6-7.3	<2	Low-----	0.10	5	2	1-3
	15-60	3-10	1.45-1.65	>6.0	0.06-0.08	5.6-7.3	<2	Low-----	0.10			
Incy-----	0-4	0-5	1.50-1.70	>20	0.05-0.07	6.6-7.3	<2	Low-----	0.10	5	1	.5-1
	4-60	0-5	1.50-1.70	>20	0.05-0.07	6.6-7.8	<2	Low-----	0.10			
611*: Haybourne-----	0-6	5-15	1.35-1.50	2.0-6.0	0.08-0.11	6.6-7.8	<2	Low-----	0.24	5	3	1-2
	6-25	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	25-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
Zorravista-----	0-4	0-5	1.45-1.60	>20.0	0.05-0.07	7.9-8.4	<4	Low-----	0.17	5	1	.5-1
	4-60	0-5	1.50-1.65	>20.0	0.05-0.07	7.4-9.0	<4	Low-----	0.17			
Fulstone-----	0-5	10-20	1.35-1.50	0.6-2.0	0.09-0.12	6.1-7.3	<2	Low-----	0.28	1	7	1-2
	5-17	45-60	1.20-1.35	0.06-0.2	0.12-0.16	6.6-8.4	<2	High-----	0.17			
	17-40	---	---	---	---	---	---	-----	-----			
614----- Haybourne	0-6	2-10	1.45-1.65	6.0-20	0.07-0.08	6.6-7.8	<2	Low-----	0.15	5	2	.5-.8
	6-25	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	25-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
615*: Haybourne-----	0-6	5-15	1.35-1.50	2.0-6.0	0.08-0.11	6.6-7.8	<2	Low-----	0.24	5	3	1-2
	6-25	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	25-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
Dun Glen-----	0-3	10-15	1.40-1.55	0.6-2.0	0.13-0.15	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	3-10	11-16	1.35-1.55	0.6-2.0	0.13-0.15	7.4-8.4	2-4	Low-----	0.43			
	10-60	9-14	1.35-1.55	0.6-2.0	0.11-0.13	>7.8	2-4	Low-----	0.32			
616----- Haybourne	0-6	5-15	1.35-1.50	2.0-6.0	0.08-0.11	6.6-7.8	<2	Low-----	0.24	5	3	1-2
	6-25	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	25-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
620*: Leviathan-----	0-8	10-18	1.40-1.60	0.2-0.6	0.08-0.10	6.1-7.3	<2	Low-----	0.17	5	5	1-3
	8-60	27-35	1.45-1.65	0.2-0.6	0.09-0.11	6.1-7.3	<2	Low-----	0.10			
Barnard-----	0-15	20-30	---	0.2-0.6	0.13-0.15	6.1-7.3	<2	Moderate	0.15	2	7	1-2
	15-26	40-50	1.30-1.50	0.06-0.2	0.14-0.17	6.6-7.8	<2	High-----	0.28			
	26	---	---	---	---	---	---	-----	-----			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
621*: Leviathan-----	0-11	10-18	1.40-1.60	0.2-0.6	0.08-0.10	6.1-7.3	<2	Low-----	0.17	5	5	1-3
	11-60	27-35	1.45-1.65	0.2-0.6	0.09-0.11	6.1-7.3	<2	Low-----	0.10			
Springmeyer-----	0-7	10-16	1.30-1.45	2.0-6.0	0.08-0.11	6.1-7.3	<2	Low-----	0.17	5	5	1-3
	7-34	25-35	1.30-1.50	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.20			
	34-60	22-30	1.40-1.60	0.2-0.6	0.10-0.13	6.6-8.4	<2	Moderate	0.20			
Haybourne-----	0-6	2-10	1.45-1.65	6.0-20	0.07-0.08	6.6-7.8	<2	Low-----	0.15	5	2	.5-.8
	6-25	8-18	1.40-1.60	2.0-6.0	0.10-0.12	6.6-8.4	<2	Low-----	0.28			
	25-60	5-12	1.45-1.65	2.0-6.0	0.07-0.10	6.6-8.4	<2	Low-----	0.15			
622-----	0-8	10-20	1.30-1.50	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	7	1-3
Leviathan	8-60	27-35	1.35-1.55	0.2-0.6	0.07-0.09	6.1-7.3	<2	Low-----	0.15			
630-----	0-3	10-15	1.50-1.60	2.0-6.0	0.10-0.12	7.4-8.4	<2	Low-----	0.37	1	3	1-2
Chappuis	3-15	40-50	1.30-1.50	0.06-0.2	0.16-0.18	7.9-9.0	2-8	High-----	0.32			
	15-45	20-30	1.45-1.55	0.6-2.0	0.14-0.16	7.9-9.0	2-8	Moderate	0.37			
	45-60	15-20	1.45-1.60	0.6-2.0	0.07-0.10	7.9-9.0	>16	Low-----	0.37			
702*: Graufels-----	0-11	2-8	1.30-1.50	6.0-20	0.05-0.07	6.1-7.3	<2	Low-----	0.10	2	4	1-3
	11-35	3-10	1.45-1.65	6.0-20	0.07-0.09	6.1-7.3	<2	Low-----	0.10			
	35-60	---	---	---	---	---	---	-----	---			
Glenbrook-----	0-8	0-8	1.30-1.55	6.0-20	0.05-0.07	6.1-7.3	<2	Low-----	0.10	1	4	.5-.8
	8-19	0-8	1.30-1.55	6.0-20	0.05-0.07	6.1-7.3	<2	Low-----	0.10			
	19	---	---	---	---	---	---	-----	---			
710*: Thulepah-----	0-16	10-20	1.30-1.50	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low-----	0.28	5	7	3-5
	16-42	27-35	1.35-1.55	0.2-0.6	0.14-0.17	6.1-7.3	<2	Moderate	0.24			
	42-60	27-40	1.40-1.60	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate	0.24			
Hutchley-----	0-6	12-18	1.30-1.50	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low-----	0.05	1	8	2-4
	6-14	20-30	1.40-1.50	0.2-0.6	0.07-0.11	6.6-7.8	<2	Moderate	0.10			
	14	---	---	---	---	---	---	-----	---			
711*: Thulepah-----	0-6	10-20	1.30-1.50	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low-----	0.28	5	7	3-5
	6-28	27-35	1.35-1.55	0.2-0.6	0.14-0.17	6.1-7.3	<2	Moderate	0.24			
	28-60	27-40	1.40-1.60	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate	0.24			
Hutchley-----	0-6	12-25	1.15-1.25	0.6-2.0	0.09-0.12	6.6-7.8	<2	Low-----	0.10	1	7	2-3
	6-15	28-35	1.40-1.50	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate	0.10			
	15	---	---	---	---	---	---	-----	---			
Rock outcrop.												
721*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	---			
Sumine-----	0-6	15-20	1.20-1.40	0.6-2.0	0.12-0.14	6.6-7.8	<2	Low-----	0.28	2	7	2-5
	6-28	25-35	1.40-1.60	0.6-2.0	0.10-0.13	6.6-7.8	<2	Moderate	0.15			
	28	---	---	---	---	---	---	-----	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
721*: Hutchley-----	0-6	12-18	1.30-1.50	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low-----	0.05	1	8	2-4
	6-14	20-30	1.40-1.50	0.2-0.6	0.07-0.11	6.6-7.8	<2	Moderate	0.10			
	14	---	---	---	---	---	---	-----	-----			
722*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Bucklake-----	0-8	20-25	1.45-1.55	0.6-2.0	0.08-0.10	6.1-7.3	<2	Moderate	0.15	2	8	1-2
	8-12	27-35	1.40-1.55	0.2-0.6	0.11-0.14	6.6-7.8	<2	Moderate	0.20			
	12-24	35-50	1.35-1.50	0.06-0.2	0.10-0.12	6.6-7.8	<2	High-----	0.20			
	24	---	---	---	---	---	---	-----	-----			
Indiano-----	0-3	15-20	1.35-1.55	0.6-2.0	0.08-0.11	6.1-7.3	<2	Low-----	0.15	2	8	1-2
	3-13	15-25	1.35-1.55	0.6-2.0	0.11-0.14	6.1-7.3	<2	Low-----	0.24			
	13-33	27-35	1.30-1.50	0.2-0.6	0.14-0.16	6.1-7.3	<2	Moderate	0.20			
	33	---	---	---	---	---	---	-----	-----			
723*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Hutchley-----	0-6	12-25	1.15-1.25	0.6-2.0	0.09-0.12	6.6-7.8	<2	Low-----	0.10	1	7	2-3
	6-15	28-35	1.40-1.50	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate	0.10			
	15	---	---	---	---	---	---	-----	-----			
Thulepah-----	0-6	10-20	1.30-1.50	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low-----	0.28	5	7	3-5
	6-28	27-35	1.35-1.55	0.2-0.6	0.14-0.17	6.1-7.3	<2	Moderate	0.24			
	28-60	27-40	1.40-1.60	0.06-0.2	0.15-0.18	6.1-7.3	<2	Moderate	0.24			
725*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Sumine-----	0-5	15-20	1.20-1.40	0.6-2.0	0.12-0.14	6.6-7.8	<2	Low-----	0.28	2	7	2-5
	5-21	25-35	1.40-1.60	0.6-2.0	0.10-0.13	6.6-7.8	<2	Moderate	0.15			
	21	---	---	---	---	---	---	-----	-----			
Prunie-----	0-10	18-27	1.25-1.45	0.6-2.0	0.11-0.14	6.6-7.3	<2	Moderate	0.32	3	7	1-3
	10-31	40-60	1.20-1.40	<0.06	0.15-0.17	6.6-7.3	<2	High-----	0.24			
	31-45	60-70	1.10-1.30	<0.06	0.14-0.16	6.6-7.8	<2	High-----	0.24			
	45-52	---	---	---	---	---	---	-----	-----			
	52	---	---	---	---	---	---	-----	-----			
726*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
726*: Dosie-----	0-5	15-25	1.20-1.30	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.10	3	8	1-3
	5-41	35-50	1.10-1.30	0.06-0.2	0.10-0.12	6.6-7.3	<2	Moderate	0.10			
	41	---	---	---	---	---	---	-----	-----			
Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
727*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	6	1-3
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Hart Camp-----	0-3	10-17	1.30-1.45	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.20	1	6	2-4
	3-13	20-35	1.35-1.50	0.2-0.6	0.17-0.19	6.1-7.3	<2	Moderate	0.24			
	13	---	---	---	---	---	---	-----	-----			
728*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Hutchley-----	0-6	12-18	1.30-1.50	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low-----	0.05	1	8	2-4
	6-14	20-30	1.40-1.50	0.2-0.6	0.07-0.11	6.6-7.8	<2	Moderate	0.10			
	14	---	---	---	---	---	---	-----	-----			
Burnborough-----	0-16	10-25	1.25-1.45	0.6-2.0	0.10-0.13	6.1-7.3	<2	Moderate	0.24	5	7	1-2
	16-60	18-35	1.30-1.50	0.6-2.0	0.08-0.11	6.1-7.3	<2	Moderate	0.15			
729*: Softscrabble----	0-20	10-20	1.20-1.40	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.15	5	8	1-5
	20-32	27-35	1.25-1.45	0.2-0.6	0.08-0.10	6.1-7.3	<2	Moderate	0.20			
	32-61	25-40	1.35-1.55	0.06-0.2	0.16-0.19	6.1-7.3	<2	Moderate	0.32			
	61	---	---	---	---	---	---	-----	-----			
Dosie-----	0-5	15-25	1.20-1.30	0.6-2.0	0.09-0.11	6.1-7.3	<2	Low-----	0.15	3	7	1-3
	5-41	35-50	1.10-1.30	0.06-0.2	0.10-0.12	6.6-7.3	<2	Moderate	0.10			
	41	---	---	---	---	---	---	-----	-----			
Hutchley-----	0-6	12-18	1.30-1.50	2.0-6.0	0.07-0.09	6.6-7.8	<2	Low-----	0.05	1	8	2-4
	6-14	20-30	1.40-1.50	0.2-0.6	0.07-0.11	6.6-7.8	<2	Moderate	0.10			
	14	---	---	---	---	---	---	-----	-----			
730*: Arzo-----	0-6	20-27	1.30-1.45	0.2-0.6	0.06-0.13	6.6-8.4	<2	Moderate	0.24	2	8	1-2
	6-25	35-45	1.35-1.55	0.06-0.2	0.13-0.16	6.6-8.4	<2	High-----	0.28			
	25	---	---	---	---	---	---	-----	-----			
Indiano-----	0-8	5-15	1.35-1.55	2.0-6.0	0.10-0.12	6.1-7.3	<2	Low-----	0.32	2	4	1-2
	8-21	20-35	1.30-1.50	0.2-0.6	0.16-0.19	6.1-7.3	<2	Moderate	0.28			
	21	---	---	---	---	---	---	-----	-----			
Barnard-----	0-9	5-15	1.10-1.30	0.6-2.0	0.16-0.19	6.1-7.3	<2	Low-----	0.20	2	4	1-2
	9-23	40-50	1.30-1.50	0.06-0.2	0.14-0.17	6.6-7.8	<2	High-----	0.28			
	23	---	---	---	---	---	---	-----	-----			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
750*: Gitakup-----	0-2	27-35	1.25-1.45	0.2-0.6	0.14-0.16	>8.4	8-16	Moderate	0.55	5	4L	<.8
	2-11	35-45	1.30-1.45	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.49			
	11-29	27-35	1.45-1.60	0.06-0.2	0.14-0.16	>8.4	>16	Moderate	0.49			
	29-60	27-35	1.50-1.65	0.06-0.2	0.10-0.12	>8.4	>16	Moderate	0.55			
Tresed-----	0-4	10-20	1.35-1.45	0.6-2.0	0.15-0.17	>8.4	>16	Low-----	0.43	5	4L	<.8
	4-16	35-55	1.20-1.30	0.06-0.2	0.15-0.18	>8.4	>8	High-----	0.32			
	16-60	5-20	1.35-1.45	0.6-2.0	0.15-0.17	>7.8	>4	Low-----	0.55			
Ragtown-----	0-10	27-35	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<.5
	10-23	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32			
760*: Ganaflan-----	0-4	10-18	1.35-1.50	0.6-2.0	0.15-0.18	7.9-9.0	8-16	Low-----	0.43	2	4L	<.5
	4-32	10-18	1.35-1.50	0.6-2.0	0.10-0.17	>7.8	8-16	Low-----	0.37			
	32-48	---	---	---	---	---	---	---	---			
	48-60	2-10	1.40-1.60	>20	0.03-0.06	>7.8	<4	Low-----	0.10			
Smaug-----	0-10	7-12	1.35-1.50	0.6-2.0	0.13-0.15	7.9-9.0	2-4	Low-----	0.55	5	3	<.5
	10-60	10-18	1.50-1.65	0.2-0.6	0.14-0.16	7.9-9.0	8-16	Low-----	0.64			
Trocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
770*: Tresed-----	0-10	10-20	1.35-1.45	0.6-2.0	0.15-0.17	>8.4	>16	Low-----	0.43	5	4L	<.8
	10-25	35-55	1.20-1.30	0.06-0.2	0.15-0.18	>8.4	>8	High-----	0.32			
	25-60	5-20	1.35-1.45	0.6-2.0	0.15-0.17	>7.8	>4	Low-----	0.55			
Gitakup-----	0-2	27-35	1.25-1.45	0.2-0.6	0.14-0.16	>8.4	8-16	Moderate	0.55	5	4L	<.8
	2-11	35-45	1.30-1.45	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.49			
	11-29	27-35	1.45-1.60	0.06-0.2	0.14-0.16	>8.4	>16	Moderate	0.49			
	29-60	27-35	1.50-1.65	0.06-0.2	0.10-0.12	>8.4	>16	Moderate	0.55			
Playas-----	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37			
780*: Chuckles-----	0-6	12-22	1.35-1.50	0.6-2.0	0.16-0.18	7.9-9.0	>16	Low-----	0.55	5	4L	<.7
	6-15	18-27	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Low-----	0.55			
	15-34	18-27	1.40-1.60	0.2-0.6	0.17-0.20	>8.4	>16	Low-----	0.55			
	34-60	18-35	1.40-1.60	0.2-0.6	0.15-0.17	>8.4	>16	Moderate	0.55			
Playas-----	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37			
781*: Chuckles-----	0-6	12-22	1.35-1.50	0.6-2.0	0.16-0.18	7.9-9.0	>16	Low-----	0.55	5	4L	<.7
	6-15	18-27	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Low-----	0.55			
	15-34	18-27	1.40-1.60	0.2-0.6	0.17-0.20	>8.4	>16	Low-----	0.55			
	34-60	18-35	1.40-1.60	0.2-0.6	0.15-0.17	>8.4	>16	Moderate	0.55			
Ragtown-----	0-10	15-25	1.30-1.45	0.2-0.6	0.15-0.17	>8.4	>16	Low-----	0.37	5	4L	<.1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
Playas-----	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
790*: Galeppi-----	0-9	5-15	1.45-1.55	2.0-6.0	0.08-0.11	6.1-7.3	<2	Low-----	0.15	5	8	1-3
	9-27	22-30	1.40-1.55	0.2-0.6	0.09-0.13	6.6-7.8	<2	Moderate	0.20			
	27-60	5-15	1.55-1.65	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.24			
Barnard-----	0-15	5-15	1.10-1.30	0.6-2.0	0.16-0.19	6.1-7.3	<2	Low-----	0.20	2	4	1-2
	15-26	40-50	1.30-1.50	0.06-0.2	0.14-0.17	6.6-7.8	<2	High-----	0.28			
	26	---	---	---	---	---	---	-----	---			
800----- Boulder Lake	0-1	40-60	1.20-1.30	<0.06	0.14-0.15	6.1-7.8	<2	High-----	0.20	5	8	1-2
	1-60	40-60	1.20-1.40	<0.06	0.14-0.15	6.6-8.4	<2	High-----	0.20			
810*: Voltaire-----	0-20	28-35	1.25-1.45	0.2-0.6	0.13-0.14	8.5-9.0	4-8	Moderate	0.43	5	8	1-2
	20-60	25-35	1.30-1.50	0.06-0.2	0.16-0.18	7.9-9.0	4-8	Moderate	0.37			
Truckee-----	0-13	27-35	1.15-1.35	0.2-0.6	0.10-0.19	>8.4	>16	Moderate	0.32	5	6	1-3
	13-60	18-25	1.30-1.50	0.2-0.6	0.15-0.18	>7.8	>8	Moderate	0.24			
811*: Voltaire-----	0-20	15-25	1.25-1.45	0.6-2.0	0.15-0.18	7.4-8.4	4-8	Low-----	0.43	5	4L	1-3
	20-60	20-35	1.30-1.50	0.06-0.2	0.17-0.19	7.4-8.4	<8	Moderate	0.32			
Fluvaquents-----	0-6	0-5	1.45-1.65	>20	0.03-0.05	7.4-8.4	<2	Low-----	0.05	5	8	1-2
	6-60	5-25	1.25-1.65	0.2-6.0	0.04-0.10	7.4-8.4	<2	Low-----	0.17			
Veta-----	0-6	5-15	1.35-1.50	2.0-6.0	0.09-0.13	6.6-8.4	<2	Low-----	0.24	5	4	.8-2
	6-12	5-15	1.40-1.60	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
	12-60	2-15	1.50-1.70	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
820*: Horsecamp-----	0-1	40-60	1.10-1.25	0.06-0.2	0.08-0.11	6.6-8.4	<2	High-----	0.15	3	8	1-2
	1-20	40-60	1.15-1.30	0.06-0.2	0.12-0.16	6.6-8.4	<2	High-----	0.28			
	20-40	35-60	1.15-1.30	0.06-0.2	0.12-0.16	7.4-8.4	<2	High-----	0.28			
	40	---	---	---	---	---	---	-----	---			
Mahala-----	0-3	20-25	1.20-1.40	0.6-2.0	0.09-0.12	6.6-7.3	<2	Low-----	0.20	2	8	1-2
	3-16	45-60	1.20-1.35	<0.06	0.14-0.16	6.6-8.4	<2	High-----	0.20			
	16-36	35-60	1.20-1.40	<0.06	0.14-0.16	7.4-8.4	<2	High-----	0.24			
	36	---	---	---	---	---	---	-----	---			
831----- Kayo	0-6	5-12	1.40-1.55	2.0-6.0	0.05-0.09	6.1-7.3	<2	Low-----	0.15	5	5	<.6
	6-18	13-18	1.40-1.60	2.0-6.0	0.05-0.08	6.1-7.3	<2	Low-----	0.17			
	18-60	2-10	1.50-1.65	6.0-20	0.04-0.07	6.6-8.4	<2	Low-----	0.10			
841*----- Beaches	0-6	0-1	---	>6.0	0.01-0.03	---	<2	Low-----	0.05	5	6	<.1
	6-60	0-1	---	>6.0	0.01-0.03	---	<2	Low-----	0.02			
850*: Osobb-----	0-6	12-18	1.35-1.50	2.0-6.0	0.05-0.07	7.4-9.0	<2	Low-----	0.05	1	8	<.5
	6-14	12-18	1.35-1.50	2.0-6.0	0.05-0.07	>7.8	2-4	Low-----	0.15			
	14-16	---	---	---	---	---	---	-----	---			
	16	---	---	---	---	---	---	-----	---			
Rezave-----	0-4	12-18	1.40-1.55	0.6-2.0	0.06-0.08	6.6-8.4	<2	Low-----	0.24	1	8	<.5
	4-13	35-55	1.20-1.40	0.06-0.2	0.12-0.15	7.9-9.0	2-4	High-----	0.37			
	13-19	35-45	1.35-1.50	0.2-0.6	0.09-0.12	>8.4	2-8	Moderate	0.37			
	19	---	---	---	---	---	---	-----	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
850*:												
Fireball-----	0-5	10-18	1.40-1.55	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low-----	0.10	3	8	<.5
	5-17	18-35	1.20-1.35	0.6-2.0	0.08-0.10	>8.4	<2	Moderate	0.10			
	17-41	10-18	1.35-1.55	2.0-6.0	0.04-0.06	>8.4	<2	Low-----	0.20			
	41	---	---	---	---	---	---	-----	-----			
890*:												
Slocave-----	0-2	6-14	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10	1	5	<.5
	2-7	6-16	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10			
	7-30	---	---	---	---	---	---	-----	-----			
	30	---	---	---	---	---	---	-----	-----			
Arclay-----	0-5	5-12	1.25-1.40	2.0-6.0	0.04-0.07	6.6-7.8	<2	Low-----	0.10	1	5	1-2
	5-14	25-35	1.30-1.50	0.2-0.6	0.11-0.13	6.6-7.8	<2	Moderate	0.24			
	14-40	---	---	---	---	---	---	-----	-----			
	40	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
892*:												
Slocave-----	0-1	6-14	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10	1	5	<.5
	1-7	6-16	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10			
	7-27	---	---	---	---	---	---	-----	-----			
	27	---	---	---	---	---	---	-----	-----			
Singatse-----	0-1	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.15	1	5	<.5
	1-6	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.10			
	6	---	---	---	---	---	---	-----	-----			
Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	-----			
893*:												
Slocave, 30 to 50 percent slopes-----	0-1	5-10	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10	1	6	<.5
	1-7	6-16	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10			
	7-27	---	---	---	---	---	---	-----	-----			
	27	---	---	---	---	---	---	-----	-----			
Slocave, 8 to 30 percent slopes-	0-1	5-10	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10	1	6	<.5
	1-7	6-16	1.40-1.60	2.0-6.0	0.06-0.08	7.9-8.4	<2	Low-----	0.10			
	7-27	---	---	---	---	---	---	-----	-----			
	27	---	---	---	---	---	---	-----	-----			
Rock outcrop.												
900*-----												
Playas	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37			
901*:												
Dune land-----	0-6	0-1	---	>6.0	0.04-0.05	---	<2	Low-----	0.15	5	1	<.1
	6-60	0-1	---	>6.0	0.03-0.05	---	<2	Low-----	0.10			
Playas-----	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
910*: Shawave-----	0-8	6-12	1.35-1.50	2.0-6.0	0.10-0.12	7.4-8.4	<2	Low-----	0.24	5	4	.8-2
	8-16	18-25	1.40-1.60	0.2-0.6	0.14-0.16	7.4-8.4	<2	Low-----	0.28			
	16-40	4-10	1.50-1.70	2.0-6.0	0.08-0.11	7.4-8.4	<2	Low-----	0.15			
	40-60	2-6	1.50-1.70	6.0-20	0.03-0.06	7.4-8.4	<2	Low-----	0.10			
Deadyon-----	0-5	5-15	1.40-1.50	2.0-6.0	0.11-0.13	6.6-8.4	<2	Low-----	0.32	5	3	.8-2
	5-24	12-18	1.40-1.60	0.6-2.0	0.10-0.15	7.4-8.4	<2	Low-----	0.24			
	24-35	3-8	1.45-1.65	6.0-20	0.09-0.13	7.4-8.4	<2	Low-----	0.20			
	35-60	3-7	1.45-1.65	6.0-20	0.05-0.11	7.9-9.0	<2	Low-----	0.10			
930*: Typic Torriorthents--	0-3	5-10	1.30-1.50	2.0-6.0	0.15-0.17	7.9-9.0	<4	Low-----	0.55	5	3	<.5
	3-60	5-30	1.60-1.70	0.06-0.2	0.10-0.18	7.9-9.0	2-8	Moderate	0.43			
Aquic Torriorthents--	0-8	5-10	1.30-1.50	2.0-6.0	0.15-0.17	7.9-9.0	<4	Low-----	0.55	5	3	<.5
	8-60	5-30	1.60-1.70	0.06-0.2	0.10-0.18	7.9-9.0	2-8	Moderate	0.43			
940*: Hawsley-----	0-6	0-5	1.50-1.70	6.0-20	0.05-0.07	6.6-8.4	<2	Low-----	0.15	5	1	<.5
	6-35	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	35-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
Hawsley, dry----	0-6	0-5	1.50-1.70	6.0-20	0.05-0.07	6.6-8.4	<2	Low-----	0.15	5	1	<.5
	6-35	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	35-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
950*: Cleaver-----	0-4	7-20	1.40-1.55	0.6-2.0	0.10-0.13	6.6-9.0	<2	Moderate	0.20	1	6	<.5
	4-11	25-35	1.30-1.50	0.06-0.2	0.12-0.16	6.6-8.4	<2	Moderate	0.20			
	11-30	---	---	---	---	---	---	---	---			
	30-60	5-10	1.50-1.70	2.0-6.0	0.03-0.05	6.6-9.0	<2	Low-----	0.05			
Xeric Torriorthents--	0-10	12-20	1.35-1.50	0.6-2.0	0.05-0.07	6.6-7.3	<2	Low-----	0.10	2	6	.8-2
	10-40	---	---	---	---	---	<2	---	---			
	40	---	---	---	---	---	---	---	---			
972*: Isolde-----	0-6	0-5	1.40-1.60	>20	0.06-0.09	6.6-8.4	<2	Low-----	0.28	5	1	<.5
	6-60	0-5	1.50-1.70	>20	0.06-0.09	6.6-8.4	<2	Low-----	0.24			
Toulon-----	0-10	10-12	1.45-1.65	2.0-6.0	0.06-0.10	7.9-9.0	2-4	Low-----	0.28	5	5	<.5
	10-20	12-15	1.40-1.60	2.0-6.0	0.06-0.08	7.9-9.0	2-4	Low-----	0.20			
	20-60	0-3	1.50-1.65	>20	0.03-0.06	7.9-9.0	2-4	Low-----	0.10			
1043*: Bluewing-----	0-7	3-10	1.55-1.70	>6.0	0.04-0.06	6.6-9.0	<2	Low-----	0.05	2	4	<.5
	7-60	3-10	1.55-1.75	>20	0.04-0.06	6.6-9.0	<4	Low-----	0.05			
Trocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
1060*: Trocken-----	0-3	8-18	1.40-1.55	0.6-2.0	0.04-0.06	7.4-9.0	<2	Low-----	0.10	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
1060*: Mazuma-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
1061*: Troocken-----	0-3	8-18	1.40-1.55	0.6-2.0	0.04-0.06	7.4-9.0	<2	Low-----	0.10	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			
Bluewing-----	0-7	3-8	1.40-1.60	>6.0	0.04-0.06	6.6-9.0	<2	Low-----	0.10	5	4	.3-.5
	7-60	3-8	1.45-1.65	>20	0.04-0.06	6.6-9.0	<4	Low-----	0.05			
1063*: Troocken-----	0-3	8-18	1.40-1.55	0.6-2.0	0.04-0.06	7.4-9.0	<2	Low-----	0.10	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			
Ganaflan-----	0-4	10-18	1.35-1.50	0.6-2.0	0.10-0.15	7.9-9.0	8-16	Low-----	0.28	2	5	<.5
	4-32	10-18	1.35-1.50	0.6-2.0	0.10-0.17	>7.8	8-16	Low-----	0.37			
	32-48	---	---	---	---	---	---	---	---			
	48-60	2-10	1.40-1.60	>20	0.03-0.06	>7.8	<4	Low-----	0.10			
Bluewing-----	0-7	3-8	1.40-1.60	>6.0	0.04-0.06	6.6-9.0	<2	Low-----	0.10	5	4	.3-.5
	7-60	3-8	1.45-1.65	>20	0.04-0.06	6.6-9.0	<4	Low-----	0.05			
1064*: Troocken, very stony-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
Troocken, gravelly-----	0-3	8-18	1.40-1.55	0.6-2.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			
Mazuma-----	0-8	5-15	1.40-1.55	0.6-2.0	0.19-0.21	>8.4	8-16	Low-----	0.55	5	4L	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
1065*: Troocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
Ruhe-----	0-2	0-5	1.50-1.65	6.0-20	0.03-0.07	7.9-9.0	2-4	Low-----	0.15	1	4	<.5
	2-16	0-5	1.55-1.75	6.0-20	0.04-0.09	7.9-9.0	2-4	Low-----	0.15			
	16-30	---	---	---	---	---	---	---	---			
	30-60	0-5	1.55-1.75	6.0-20	0.01-0.03	>7.8	4-8	Low-----	0.15			
Bluewing-----	0-7	5-10	1.35-1.55	2.0-6.0	0.05-0.07	6.6-9.0	<2	Low-----	0.05	5	8	.3-.5
	7-60	3-8	1.45-1.65	>20	0.04-0.06	6.6-9.0	<4	Low-----	0.05			
1067*: Troocken-----	0-3	8-18	1.40-1.55	0.6-2.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			
Mazuma-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
1068*: Troocken-----	0-3	8-18	1.40-1.55	0.6-2.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.04-0.06	>7.3	2-4	Low-----	0.10			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1068*: Hawsley-----	0-8	0-5	1.50-1.70	6.0-20	0.05-0.07	6.6-8.4	<2	Low-----	0.15	5	1	<.5
	8-42	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	42-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
1160*: Glenbrook-----	0-9	0-8	1.35-1.55	6.0-20	0.05-0.07	6.1-7.3	<2	Low-----	0.10	1	3	.4-.9
	9-15	0-8	1.40-1.60	6.0-20	0.05-0.07	6.1-7.3	<2	Low-----	0.10			
	15	---	---	---	---	---	---	---	---			
Graufels-----	0-10	3-10	1.30-1.50	6.0-20	0.07-0.09	6.1-7.3	<2	Low-----	0.10	2	3	1-3
	10-22	3-10	1.45-1.65	6.0-20	0.07-0.09	6.1-7.3	<2	Low-----	0.10			
	22-40	---	---	---	---	---	---	---	---			
Rock outcrop.												
1190*: Ragtown-----	0-10	27-35	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<.5
	10-23	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32			
Isolde-----	0-4	0-5	1.40-1.60	>20	0.06-0.09	6.6-8.4	<2	Low-----	0.28	5	1	<.5
	4-60	0-5	1.50-1.70	>20	0.06-0.09	6.6-8.4	<2	Low-----	0.24			
1191*: Ragtown-----	0-10	28-35	1.30-1.45	0.2-0.6	0.16-0.18	>8.4	>16	Moderate	0.32	5	4L	<1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
Ragtown, moist--	0-10	28-35	1.30-1.45	0.2-0.6	0.16-0.18	>8.4	>16	Moderate	0.32	5	4L	<1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
1192*: Ragtown-----	0-10	10-15	1.40-1.55	0.6-2.0	0.13-0.15	>8.4	>16	Low-----	0.37	5	3	<1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
Umberland-----	0-15	35-40	1.25-1.40	0.2-0.6	0.17-0.21	>9.0	>16	High-----	0.43	5	4L	<1
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32			
Ragtown, dry----	0-10	10-15	1.40-1.55	0.6-2.0	0.13-0.15	>8.4	>16	Low-----	0.37	5	3	<1
	10-23	28-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.28			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
1194*: Ragtown-----	0-10	27-35	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<.5
	10-23	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32			
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32			
Swingler-----	0-6	7-13	1.35-1.55	2.0-6.0	0.10-0.13	7.4-8.4	2-4	Low-----	0.32	5	3	<.5
	6-60	18-25	1.25-1.45	0.2-0.6	0.15-0.19	>7.8	4-16	Moderate	0.49			
Benin-----	0-1	27-40	1.45-1.65	0.2-0.6	0.19-0.21	>7.8	8-16	Moderate	0.43	5	4L	<.5
	1-60	40-50	1.50-1.70	<0.06	0.15-0.17	>7.8	>16	High-----	0.43			
1200*: Dosie-----	0-5	15-25	1.20-1.30	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.10	3	8	1-3
	5-41	35-50	1.10-1.30	0.06-0.2	0.10-0.12	6.6-7.3	<2	Moderate	0.10			
	41	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					
1200*: Devada-----	0-4	15-27	1.10-1.30	0.6-2.0	0.08-0.10	6.1-7.8	<2	Moderate	0.17	1	8	1-3
	4-13	40-60	1.20-1.40	0.06-0.2	0.14-0.16	6.1-7.8	<2	High-----	0.17			
	13	---	---	---	---	---	---	-----	-----			
1201*: Dosie-----	0-5	15-25	1.20-1.30	0.6-2.0	0.08-0.10	6.1-7.3	<2	Low-----	0.10	3	8	1-3
	5-41	35-50	1.10-1.30	0.06-0.2	0.10-0.12	6.6-7.3	<2	Moderate	0.10			
	41	---	---	---	---	---	---	-----	-----			
Rubble land-----	0-60	0	---	>20	0.-0.1	---	<2	Low-----	---	---	8	<.1
1220*: Ceejay-----	0-2	15-25	1.20-1.35	0.6-2.0	0.10-0.12	7.9-8.4	<2	Low-----	0.15	1	7	1-2
	2-16	35-45	1.15-1.30	0.06-0.2	0.13-0.15	7.9-8.4	<4	High-----	0.15			
	16	---	---	---	---	---	---	-----	-----			
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	-----	-----			
1221----- Ceejay	0-2	15-25	1.20-1.35	0.6-2.0	0.13-0.15	7.9-8.4	<2	Low-----	0.17	1	6	1-2
	2-16	35-45	1.15-1.30	0.06-0.2	0.13-0.15	7.9-8.4	<4	High-----	0.15			
	16	---	---	---	---	---	---	-----	-----			
1222*: Ceejay-----	0-2	15-25	1.20-1.35	0.6-2.0	0.13-0.15	7.9-8.4	<2	Low-----	0.17	1	6	1-2
	2-16	35-45	1.15-1.30	0.06-0.2	0.13-0.15	7.9-8.4	<4	High-----	0.15			
	16	---	---	---	---	---	---	-----	-----			
Verdico-----	0-2	8-18	1.35-1.50	2.0-6.0	0.08-0.13	6.1-7.3	<2	Low-----	0.28	2	8	.8-2
	2-22	45-60	1.25-1.40	<0.06	0.13-0.18	6.1-7.3	<2	High-----	0.28			
	22-29	45-60	1.25-1.40	<0.06	0.13-0.18	6.6-7.8	<2	High-----	0.24			
	29-60	---	---	---	---	---	---	-----	-----			
Chalco-----	0-3	15-25	1.20-1.35	0.6-2.0	0.12-0.15	6.1-7.8	<2	Low-----	0.10	1	8	1-2
	3-15	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.8	<2	High-----	0.24			
	15	---	---	---	---	---	---	-----	-----			
1230*: Singatse-----	0-1	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.15	1	5	<.5
	1-6	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.10			
	6	---	---	---	---	---	---	-----	-----			
Jaybee-----	0-8	15-20	1.35-1.50	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.20	1	5	.8-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	-----			
1240*: Labkey-----	0-4	5-12	1.45-1.60	2.0-6.0	0.07-0.09	7.9-8.4	<2	Low-----	0.20	5	4	<.5
	4-14	5-12	1.45-1.60	2.0-6.0	0.06-0.09	7.9-9.0	<2	Low-----	0.20			
	14-60	2-8	1.50-1.65	6.0-20	0.03-0.06	7.9-9.0	2-4	Low-----	0.10			
Mazuma-----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
1250*: Jerval-----	0-10	5-10	1.40-1.55	0.6-2.0	0.10-0.12	7.9-8.4	2-4	Low-----	0.17	5	4	<.5
	10-20	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	20-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1250*: Dorper-----	0-2	5-15	1.35-1.55	0.6-2.0	0.12-0.14	7.9-9.0	<2	Low-----	0.28	5	6	<.5
	2-6	5-15	1.35-1.55	0.6-2.0	0.15-0.19	7.9-9.0	2-4	Low-----	0.49			
	6-14	35-45	1.30-1.50	<0.06	0.13-0.17	7.9-9.0	2-8	High-----	0.43			
	14-60	8-15	1.40-1.60	0.2-0.6	0.04-0.06	7.9-9.0	>16	Low-----	0.10			
1251*: Jerval, 2 to 8 percent slopes-	0-10	10-16	1.40-1.55	0.6-2.0	0.13-0.15	7.9-8.4	2-4	Low-----	0.37	5	4L	<.5
	10-20	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	20-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			
Jerval, 8 to 30 percent slopes-	0-10	10-16	1.40-1.55	0.6-2.0	0.13-0.15	7.9-8.4	2-4	Low-----	0.37	5	4L	<.5
	10-20	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	20-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			
Kumiva-----	0-5	6-12	1.45-1.65	2.0-6.0	0.06-0.08	7.4-9.0	<4	Low-----	0.28	5	3	<.5
	5-56	6-12	1.50-1.70	0.6-2.0	0.12-0.15	7.4-9.0	<2	Low-----	0.32			
	56-60	5-10	1.60-1.75	2.0-6.0	0.06-0.08	7.4-9.0	<4	Low-----	0.28			
1254*: Jerval silt loam	0-10	10-16	1.35-1.55	0.6-2.0	0.17-0.19	7.9-8.4	2-4	Low-----	0.55	5	4L	<.5
	10-20	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	20-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			
Trocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	5	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
Jerval, bouldery	0-10	10-16	1.35-1.55	0.6-2.0	0.15-0.17	7.9-8.4	2-4	Low-----	0.49	5	5	<.5
	10-20	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	20-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			
1255*: Jerval-----	0-6	5-10	1.40-1.55	0.6-2.0	0.10-0.12	7.9-8.4	2-4	Low-----	0.17	5	4	<.5
	6-22	27-35	1.20-1.40	0.2-0.6	0.14-0.16	7.9-9.0	>8	Moderate	0.24			
	22-60	5-12	1.35-1.50	2.0-6.0	0.06-0.07	7.9-9.0	>8	Low-----	0.15			
Veta-----	0-6	5-15	1.35-1.50	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10	5	5	.8-2
	6-18	5-15	1.40-1.60	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
	18-60	2-15	1.50-1.70	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
1260*: Sojur-----	0-4	18-25	1.25-1.45	0.6-2.0	0.05-0.08	7.9-9.0	<2	Low-----	0.05	1	7	<.5
	4-7	---	---	---	---	---	---	---	---			
	7	---	---	---	---	---	---	---	---			
Phliss-----	0-4	15-20	1.35-1.50	0.6-2.0	0.05-0.06	7.9-8.4	<2	Low-----	0.10	1	7	1-2
	4-14	20-30	1.40-1.60	0.2-0.6	0.05-0.07	7.9-8.4	<2	Low-----	0.10			
	14	---	---	---	---	---	---	---	---			
1270----- Deadyon	0-5	5-15	1.40-1.50	2.0-6.0	0.11-0.13	6.6-8.4	<2	Low-----	0.32	5	3	.8-2
	5-22	12-18	1.40-1.60	0.6-2.0	0.10-0.15	7.4-8.4	<2	Low-----	0.24			
	22-28	3-8	1.45-1.65	6.0-20	0.09-0.13	7.4-8.4	<2	Low-----	0.20			
	28-60	3-7	1.45-1.65	6.0-20	0.05-0.11	7.9-9.0	<2	Low-----	0.10			
1290*: Hutchley-----	0-6	12-25	1.15-1.25	0.6-2.0	0.09-0.12	6.6-7.8	<2	Low-----	0.10	1	7	2-3
	6-15	28-35	1.40-1.50	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate	0.10			
	15	---	---	---	---	---	---	---	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Soil reaction	Salinity	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1290*: Terca-----	0-3	15-25	1.25-1.35	0.6-2.0	0.08-0.10	6.6-7.8	<2	Low-----	0.10	1	7	1-2
	3-17	27-35	1.25-1.40	0.2-0.6	0.10-0.12	6.6-7.8	<2	Low-----	0.17			
	17	---	---	---	---	---	---	-----	---			
1310*: Hooplite-----	0-3	12-20	1.35-1.50	2.0-6.0	0.06-0.09	7.4-8.4	<4	Low-----	0.15	1	7	.8-2
	3-8	22-30	1.30-1.50	0.6-2.0	0.08-0.11	7.4-8.4	<4	Low-----	0.15			
	8	---	---	---	---	---	---	-----	---			
Singatse-----	0-1	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.15	1	5	<.5
	1-6	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.10			
	6	---	---	---	---	---	---	-----	---			
1320*: Jaybee-----	0-8	18-25	1.25-1.40	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.20	1	8	1-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	---			
Theon-----	0-2	10-20	1.40-1.55	2.0-6.0	0.06-0.09	6.6-8.4	<2	Low-----	0.05	1	8	<.5
	2-11	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	11	---	---	---	---	---	---	-----	---			
Singatse-----	0-1	5-15	1.40-1.60	2.0-6.0	0.07-0.09	7.9-9.0	<2	Low-----	0.15	1	8	.4-.6
	1-6	5-15	1.40-1.60	0.6-2.0	0.07-0.10	7.9-9.0	<2	Low-----	0.15			
	6	---	---	---	---	---	---	-----	---			
1340----- Phing	0-7	10-18	1.35-1.50	0.6-2.0	0.10-0.12	6.6-8.4	<2	Low-----	0.17	1	4	1-2
	7-20	45-60	1.25-1.40	0.06-0.2	0.12-0.16	6.6-8.4	<2	High-----	0.20			
	20-60	5-15	1.45-1.55	2.0-6.0	0.05-0.09	7.4-8.4	<2	Low-----	0.10			
1360*: Mastly-----	0-6	10-18	1.35-1.50	0.6-2.0	0.15-0.17	7.9-9.0	<2	Low-----	0.55	5	3	1-2
	6-60	10-18	1.35-1.50	0.2-0.6	0.13-0.15	7.9-9.0	<2	Low-----	0.43			
Mazuma-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			
1370*: Theon-----	0-2	12-20	1.40-1.55	0.6-6.0	0.04-0.09	6.6-8.4	<2	Low-----	0.15	1	8	<.5
	2-11	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	11	---	---	---	---	---	---	-----	---			
Jaybee-----	0-8	18-25	1.25-1.40	0.6-2.0	0.07-0.09	6.6-7.8	<2	Low-----	0.20	1	8	1-2
	8-14	35-45	1.25-1.45	0.06-0.2	0.16-0.18	6.6-7.8	<2	High-----	0.28			
	14	---	---	---	---	---	---	-----	---			
1372*: Theon-----	0-2	10-20	1.40-1.55	2.0-6.0	0.06-0.09	6.6-8.4	<2	Low-----	0.05	1	8	<.5
	2-10	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	10	---	---	---	---	---	---	-----	---			
Old Camp-----	0-2	8-20	1.35-1.50	2.0-6.0	0.08-0.10	6.6-7.8	<2	Low-----	0.17	1	8	1-2
	2-14	27-35	1.30-1.50	0.2-0.6	0.08-0.11	6.6-9.0	<2	Low-----	0.15			
	14	---	---	---	---	---	---	-----	---			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth		Moist bulk density g/cc	Permeability In/hr	Available water capacity In/in	Soil reaction pH	Salinity mmhos/cm	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter Pct
	In	Pct							K	T		
1373*: Theon-----	0-2	10-20	1.40-1.55	2.0-6.0	0.06-0.09	6.6-8.4	<2	Low-----	0.05	1	8	<.5
	2-11	25-35	1.30-1.50	0.2-0.6	0.06-0.09	6.6-9.0	<2	Low-----	0.15			
	11	---	---	---	---	---	---	-----	-----			
Trocken-----	0-3	5-15	1.40-1.55	2.0-6.0	0.06-0.08	6.6-9.0	<2	Low-----	0.20	5	4	<.5
	3-60	8-18	1.50-1.70	0.6-2.0	0.05-0.08	>6.5	2-4	Low-----	0.17			
Singatse-----	0-1	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.15	1	5	<.5
	1-6	5-15	1.40-1.60	0.6-2.0	0.05-0.07	7.9-9.0	<2	Low-----	0.10			
	6	---	---	---	---	---	---	-----	-----			
1392*: Ninemile-----	0-3	15-25	1.35-1.50	0.6-2.0	0.08-0.11	6.1-7.3	<2	Low-----	0.15	1	8	2-4
	3-12	40-60	1.25-1.45	<0.06	0.14-0.16	6.1-7.8	<2	High-----	0.28			
	12	---	---	---	---	---	---	-----	-----			
Newlands-----	0-8	10-25	1.30-1.40	0.6-2.0	0.13-0.15	6.1-7.3	<2	Low-----	0.24	2	8	2-4
	8-45	27-35	1.30-1.40	0.2-0.6	0.15-0.18	6.1-7.3	<2	Moderate	0.28			
	45	---	---	---	---	---	---	-----	-----			
1401*: Dedmount-----	0-2	15-25	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	<4	Low-----	0.55	5	4L	<.5
	2-60	35-45	1.35-1.50	0.06-0.2	0.17-0.20	>8.4	2-8	High-----	0.37			
Umberland-----	0-5	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1
	5-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32			
1410----- Juva	0-8	10-20	1.30-1.45	0.6-2.0	0.15-0.17	7.9-9.0	<2	Low-----	0.37	5	4L	<.5
	8-65	5-15	1.40-1.55	2.0-6.0	0.07-0.10	7.9-9.0	<4	Low-----	0.20			
1420*: Perwaso, occasionally flooded-----	0-3	18-27	1.40-1.60	0.6-2.0	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<1
	3-36	18-27	1.40-1.60	0.6-2.0	0.16-0.18	7.9-9.0	16-32	Moderate	0.49			
	36-60	3-7	1.50-1.65	6.0-20	0.04-0.06	7.9-9.0	8-16	Low-----	0.24			
Perwaso, rarely flooded-----	0-3	18-27	1.40-1.60	0.6-2.0	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<1
	3-36	18-27	1.40-1.60	0.6-2.0	0.16-0.18	7.9-9.0	16-32	Moderate	0.49			
	36-60	3-7	1.50-1.65	6.0-20	0.04-0.06	7.9-9.0	8-16	Low-----	0.24			
1430*: Slaw, rarely flooded-----	0-10	15-25	1.15-1.35	0.2-0.6	0.19-0.21	>9.0	8-16	Moderate	0.55	5	4L	<1
	10-60	18-35	1.25-1.45	0.06-0.2	0.19-0.21	>8.4	>8	Moderate	0.55			
Slaw, occasionally flooded-----	0-9	15-25	1.20-1.35	0.2-0.6	0.19-0.21	>8.4	>16	Low-----	0.55	5	4L	<.5
	9-60	25-35	1.35-1.50	0.06-0.2	0.16-0.20	>8.4	>4	Moderate	0.37			
1440----- Umberland	0-15	35-40	1.25-1.40	0.2-0.6	0.17-0.21	>9.0	>16	High-----	0.43	5	4L	<1
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32			
1442*: Umberland-----	0-15	18-27	1.30-1.45	0.6-2.0	0.16-0.19	>9.0	>16	Moderate	0.43	5	4L	<1
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32			

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth		Clay Pct	Moist bulk density g/cc	Permea- bility In/hr	Available water capacity In/in	Soil reaction pH	Salinity mmhos/cm	Shrink- swell potential	Erosion factors		Wind erodi- bility group	Organic matter Pct
	In	Pct								K	T		
1442*: Benin-----	0-8	15-25	1.30-1.50	0.6-2.0	0.17-0.19	7.9-9.0	8-16	Low-----	0.49	5	4L	<.5	
	8-70	40-50	1.50-1.70	<0.06	0.14-0.16	>7.8	4-16	High-----	0.37				
1443*: Umberland silt loam-----	0-15	18-27	1.30-1.45	0.6-2.0	0.16-0.19	>9.0	>16	Moderate	0.43	5	4L	<1	
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
Ragtown-----	0-10	20-27	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	4-8	Moderate	0.43	5	4L	<.5	
	10-16	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32				
	16-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32				
Umberland, ponded-----	0-5	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1	
	5-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
1444----- Umberland	0-5	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1	
	5-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
1445*: Umberland-----	0-5	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1	
	5-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
Playas-----	0-6	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37	5	5	<.1	
	6-60	35-70	---	<0.06	0.02-0.04	>8.4	>16	High-----	0.37				
Ragtown-----	0-10	27-35	1.30-1.50	0.2-0.6	0.19-0.21	>8.4	>16	Moderate	0.43	5	4L	<.5	
	10-23	25-35	1.40-1.55	0.2-0.6	0.17-0.19	>8.4	>16	Moderate	0.32				
	23-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	>16	High-----	0.32				
1446*: Umberland, ponded-----	0-5	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1	
	5-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
Umberland, unponded-----	0-15	35-40	1.25-1.40	0.2-0.6	0.17-0.21	>9.0	>16	High-----	0.43	5	4L	<1	
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
1447*: Dedmount-----	0-2	15-25	1.35-1.55	0.6-2.0	0.16-0.18	>8.4	<4	Low-----	0.49	5	4L	<.7	
	2-60	35-45	1.35-1.50	0.06-0.2	0.17-0.20	>8.4	2-8	High-----	0.37				
Umberland, unponded-----	0-15	35-40	1.25-1.40	0.2-0.6	0.17-0.21	>9.0	>16	High-----	0.43	5	4L	<1	
	15-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
Umberland, ponded-----	0-6	35-40	1.25-1.40	0.2-0.6	0.19-0.21	>9.0	>16	High-----	0.37	5	4L	.5-1	
	6-60	35-50	1.30-1.45	<0.06	0.15-0.21	>8.4	>4	High-----	0.32				
1460*: Chalco-----	0-3	10-15	1.20-1.35	0.6-2.0	0.08-0.09	6.1-7.3	<2	Low-----	0.10	1	7	1-2	
	3-15	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.3	<2	High-----	0.24				
	15-30	---	---	---	---	---	---	-----	-----				
Chalco, dry-----	0-3	10-15	1.20-1.35	0.6-2.0	0.08-0.09	6.1-7.3	<2	Low-----	0.10	1	7	1-2	
	3-15	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.3	<2	High-----	0.24				
	15-30	---	---	---	---	---	---	-----	-----				

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1461*: Chalco very gravelly clay loam-----	0-3	27-35	1.15-1.30	0.2-0.6	0.08-0.09	6.1-7.3	<2	Low-----	0.10	1	8	1-2
	3-15	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.3	<2	High-----	0.24			
	15-30	---	---	---	---	---	---	-----	---			
Chalco very gravelly loam--	0-3	10-15	1.20-1.35	0.6-2.0	0.08-0.09	6.1-7.3	<2	Low-----	0.10	1	7	1-2
	3-15	40-60	1.25-1.45	<0.06	0.12-0.15	6.1-7.3	<2	High-----	0.24			
	15-30	---	---	---	---	---	---	-----	---			
Pickup-----	0-8	18-25	1.15-1.35	0.2-0.6	0.08-0.12	6.6-8.4	<2	Low-----	0.28	2	7	1-2
	8-34	40-55	1.20-1.35	0.06-0.2	0.10-0.13	6.6-8.4	<2	Moderate	0.10			
	34	---	---	---	---	---	---	-----	---			
1470*: Squawval-----	0-5	10-18	1.20-1.30	2.0-6.0	0.19-0.21	6.1-7.3	<2	Low-----	0.28	2	5	2-4
	5-35	18-25	1.30-1.40	0.6-2.0	0.14-0.16	6.6-7.3	<2	Moderate	0.24			
	35	---	---	---	---	---	---	-----	---			
Hutchley-----	0-6	12-25	1.15-1.25	0.6-2.0	0.09-0.12	6.6-7.8	<2	Low-----	0.10	1	7	2-3
	6-15	28-35	1.40-1.50	0.2-0.6	0.09-0.11	6.6-7.8	<2	Moderate	0.10			
	15	---	---	---	---	---	---	-----	---			
Tosp-----	0-19	10-18	1.25-1.35	2.0-6.0	0.16-0.20	5.6-7.3	<2	Low-----	0.24	3	5	3-5
	19-33	10-18	1.35-1.50	2.0-6.0	0.12-0.14	6.1-7.3	<2	Low-----	0.28			
	33-60	10-18	1.35-1.50	2.0-6.0	0.08-0.14	6.1-7.3	<2	Low-----	0.20			
	60	---	---	---	---	---	---	-----	---			
1480*: Eaglerock-----	0-10	10-18	1.30-1.50	2.0-6.0	0.07-0.09	6.1-7.3	<2	Low-----	0.10	2	6	3-5
	10-36	18-27	1.30-1.50	0.2-0.6	0.08-0.10	6.1-7.3	<2	Low-----	0.10			
	36	---	---	---	---	---	---	-----	---			
Wagore-----	0-12	10-18	1.25-1.35	2.0-6.0	0.13-0.15	6.1-7.3	<2	Low-----	0.28	5	6	2-4
	12-60	10-18	1.30-1.40	2.0-6.0	0.08-0.10	6.1-7.3	<2	Low-----	0.17			
1490*: Berit-----	0-4	10-18	1.30-1.50	2.0-6.0	0.05-0.07	6.1-7.3	<2	Low-----	0.10	1	6	1-2
	4-11	25-35	1.30-1.50	0.6-2.0	0.06-0.07	6.1-7.3	<2	Low-----	0.10			
	11-21	---	---	---	---	---	---	-----	---			
Deanran-----	0-4	12-18	1.30-1.50	2.0-6.0	0.06-0.08	6.6-7.3	<2	Low-----	0.05	1	6	1-3
	4-8	18-25	1.30-1.50	0.6-2.0	0.07-0.08	6.6-7.3	<2	Low-----	0.05			
	8-21	---	---	---	---	---	---	-----	---			
Rock outcrop.												
1491*: Berit-----	0-4	10-18	1.30-1.50	2.0-6.0	0.05-0.07	6.1-7.3	<2	Low-----	0.10	1	6	1-2
	4-11	25-35	1.30-1.50	0.6-2.0	0.06-0.07	6.1-7.3	<2	Low-----	0.10			
	11-21	---	---	---	---	---	---	-----	---			
Noslo-----	0-13	10-18	1.30-1.40	2.0-6.0	0.06-0.07	6.1-7.3	<2	Low-----	0.15	2	8	1-3
	13-30	25-35	1.35-1.45	0.2-0.6	0.12-0.14	6.1-7.3	<2	Moderate	0.20			
	30	---	---	---	---	---	---	-----	---			
Rock outcrop.												

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1500*: Hastee-----	0-17 17-45 45	10-18 5-12 ---	1.30-1.50 1.35-1.55 ---	2.0-6.0 6.0-20 ---	0.09-0.11 0.04-0.06 ---	6.1-6.5 6.1-7.3 ---	<2 <2 ---	Low----- Low----- -----	0.05 0.05 ---	3 3 ---	8 8 ---	2-4 2-4 ---
Granipeak-----	0-8 8-41 41	10-18 18-25 ---	1.30-1.50 1.35-1.50 ---	2.0-6.0 0.6-2.0 ---	0.09-0.11 0.07-0.09 ---	6.1-7.3 6.6-7.3 ---	<2 <2 ---	Low----- Low----- -----	0.05 0.10 ---	3 3 ---	8 8 ---	2-4 2-4 ---
Rock outcrop.												
1510----- Greenbrae	0-6 6-30 30-60	10-18 27-35 3-15	1.40-1.55 1.40-1.60 1.45-1.65	2.0-6.0 0.06-0.2 0.6-2.0	0.12-0.14 0.15-0.18 0.10-0.13	5.6-7.3 6.1-7.8 6.6-7.8	<2 <2 <2	Low----- Moderate Low-----	0.28 0.24 0.15	5 5 ---	3 3 ---	.7-2 .7-2 ---
1520*: Kaffur-----	0-1 1-4 4-21	10-18 10-18 ---	1.35-1.50 1.40-1.55 ---	2.0-6.0 2.0-6.0 ---	0.06-0.07 0.06-0.07 ---	7.9-9.0 7.9-9.0 ---	<2 <2 ---	Low----- Low----- -----	0.10 0.10 ---	1 1 ---	6 6 ---	.8-2 .8-2 ---
Slocave-----	0-1 1-7 7-27 27	5-10 6-16 ---	1.40-1.60 1.40-1.60 ---	2.0-6.0 2.0-6.0 ---	0.06-0.08 0.06-0.08 ---	7.9-8.4 7.9-8.4 ---	<2 <2 ---	Low----- Low----- -----	0.10 0.10 ---	1 1 ---	6 6 ---	<.5 <.5 ---
Rock outcrop.												
1530*: Coppereid, eroded-----	0-2 2-6 6	10-18 10-18 ---	1.20-1.40 1.20-1.40 ---	0.6-2.0 0.6-2.0 ---	0.10-0.12 0.14-0.16 ---	7.9-9.0 7.9-9.0 ---	<2 <2 ---	Low----- Low----- -----	0.20 0.37 ---	1 1 ---	5 5 ---	.8-1 .8-1 ---
Coppereid, uneroded-----	0-2 2-9 9	10-18 10-18 ---	1.20-1.40 1.20-1.40 ---	0.6-2.0 0.6-2.0 ---	0.10-0.12 0.14-0.16 ---	7.9-9.0 7.9-9.0 ---	<2 <2 ---	Low----- Low----- -----	0.20 0.37 ---	1 1 ---	5 5 ---	.8-1 .8-1 ---
Kreza-----	0-1 1-5 5	10-18 18-27 ---	1.35-1.45 1.35-1.50 ---	2.0-6.0 0.6-2.0 ---	0.10-0.12 0.11-0.13 ---	7.4-8.4 7.4-8.4 ---	<2 <2 ---	Low----- Low----- -----	0.20 0.20 ---	1 1 ---	6 6 ---	.8-2 .8-2 ---
1540*: Foxcan-----	0-1 1-5 5-21	10-18 10-18 ---	1.35-1.45 1.35-1.50 ---	2.0-6.0 2.0-6.0 ---	0.10-0.12 0.10-0.12 ---	7.4-8.4 7.4-8.4 ---	<2 <2 ---	Low----- Low----- -----	0.20 0.20 ---	1 1 ---	6 6 ---	.8-2 .8-2 ---
Sojur-----	0-4 4-15 15	18-25 ---	1.25-1.45 ---	0.6-2.0 ---	0.05-0.08 ---	7.9-9.0 ---	<2 ---	Low----- -----	0.05 ---	1 ---	7 ---	<.5 ---
Rock outcrop.												
1550*: Wylo-----	0-4 4-15 15	18-27 35-50 ---	1.20-1.30 1.10-1.30 ---	0.2-0.6 0.06-0.2 ---	0.09-0.11 0.13-0.15 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.15 0.15 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Ister-----	0-6 6-29 29	15-27 25-35 ---	1.25-1.45 1.40-1.60 ---	0.6-2.0 0.2-0.6 ---	0.09-0.11 0.09-0.14 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- Moderate -----	0.15 0.10 ---	2 2 ---	8 8 ---	1-2 1-2 ---

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1552*: Wylo-----	0-4 4-15 15	18-27 35-50 ---	1.20-1.30 1.10-1.30 ---	0.2-0.6 0.06-0.2 ---	0.09-0.11 0.13-0.15 ---	6.6-7.8 6.6-7.8 ---	<2 <2 ---	Low----- High----- -----	0.15 0.15 ---	1 1 ---	7 7 ---	1-2 1-2 ---
Bucklake-----	0-8 8-12 12-24 24	20-25 27-35 35-50 ---	1.45-1.55 1.40-1.55 1.35-1.50 ---	0.6-2.0 0.2-0.6 0.06-0.2 ---	0.08-0.10 0.11-0.14 0.10-0.12 ---	6.1-7.3 6.6-7.8 6.6-7.8 ---	<2 <2 <2 ---	Moderate Moderate High----- -----	0.15 0.20 0.20 ---	2 2 2 ---	8 8 8 ---	1-2 1-2 1-2 ---
1560*: Manogue-----	0-4 4-25 25-47 47	40-55 40-55 40-55 ---	1.20-1.40 1.25-1.40 1.25-1.40 ---	<0.06 <0.06 <0.06 ---	0.11-0.13 0.13-0.15 0.13-0.15 ---	6.1-8.4 7.4-8.4 7.4-8.4 ---	<2 <4 2-8 ---	High----- High----- High----- -----	0.15 0.28 0.28 ---	3 3 3 ---	8 8 8 ---	1-2 1-2 1-2 ---
Ceejay-----	0-2 2-16 16	15-25 35-45 ---	1.20-1.35 1.15-1.30 ---	0.6-2.0 0.06-0.2 ---	0.10-0.12 0.13-0.15 ---	7.9-8.4 7.9-8.4 ---	<2 <4 ---	Low----- High----- -----	0.15 0.15 ---	1 1 ---	7 7 ---	1-2 1-2 ---
1570----- Espil	0-7 7-10 10-14 14-60	5-20 35-45 ---	1.30-1.45 1.30-1.45 ---	0.2-0.6 <0.06 ---	0.07-0.11 0.11-0.15 ---	6.1-7.3 6.1-7.3 ---	<2 <2 ---	Low----- High----- -----	0.20 0.28 ---	1 1 ---	4 4 ---	1-3 1-3 ---
1580*: Trocken-----	0-3 3-60	8-18 8-18	1.40-1.55 1.50-1.70	0.6-2.0 0.6-2.0	0.04-0.06 0.04-0.06	7.4-9.0 >7.3	<2 2-4	Low----- Low-----	0.10 0.10	5 5	5 5	<.5 <.5
Ganaflan-----	0-4 4-32 32-48 48-60	10-18 10-18 ---	1.35-1.50 1.35-1.50 ---	0.6-2.0 0.6-2.0 ---	0.10-0.15 0.10-0.17 ---	7.9-9.0 >7.8 ---	8-16 8-16 ---	Low----- Low----- -----	0.28 0.37 ---	2 2 ---	5 5 ---	<.5 <.5 ---
Bluewing-----	0-7 7-60	3-8 3-8	1.40-1.60 1.45-1.65	>6.0 >20	0.04-0.06 0.04-0.06	6.6-9.0 6.6-9.0	<2 <4	Low----- Low-----	0.10 0.05	5 5	4 4	.3-.5 .3-.5
1581*: Trocken-----	0-3 3-60	5-15 8-18	1.40-1.55 1.50-1.70	2.0-6.0 0.6-2.0	0.06-0.08 0.05-0.08	6.6-9.0 >6.5	<2 2-4	Low----- Low-----	0.20 0.17	5 5	5 5	<.5 <.5
Mazuma-----	0-8 8-60	8-12 5-15	1.40-1.55 1.45-1.65	2.0-6.0 2.0-6.0	0.12-0.14 0.10-0.14	>7.8 >7.8	<4 4-16	Low----- Low-----	0.28 0.24	5 5	3 3	<.5 <.5
Hawsley-----	0-8 8-42 42-60	0-5 0-5 0-5	1.50-1.70 1.50-1.70 1.50-1.70	6.0-20 >20 >20	0.05-0.07 0.06-0.08 0.06-0.08	6.6-8.4 7.4-9.0 7.4-9.0	<2 <2 <2	Low----- Low----- Low-----	0.15 0.10 0.10	5 5 5	1 1 1	<.5 <.5 <.5
1590*: Typic Torriorthents--	0-5 5-60	0-10 3-10	1.50-1.70 1.50-1.70	6.0-20 6.0-20	0.03-0.07 0.03-0.04	7.9-9.0 7.9-9.0	<2 <2	Low----- Low-----	0.15 0.10	5 5	3 3	<.5 <.5
Ragtown-----	0-10 10-23 23-60	27-35 25-35 35-45	1.30-1.50 1.40-1.55 1.40-1.60	0.2-0.6 0.2-0.6 0.06-0.2	0.19-0.21 0.17-0.19 0.16-0.19	>8.4 >8.4 >8.4	>16 >16 >16	Moderate Moderate High-----	0.43 0.32 0.32	5 5 5	4L 4L 4L	<.5 <.5 <.5
1600----- Dithod	0-10 10-40 40-60	15-25 18-25 10-18	1.30-1.40 1.35-1.45 1.45-1.65	0.2-0.6 0.2-0.6 0.6-2.0	0.14-0.16 0.16-0.18 0.11-0.13	7.4-8.4 6.6-8.4 6.6-8.4	<4 <4 <2	Moderate Moderate Low-----	0.32 0.32 0.20	5 5 5	5 5 5	1-2 1-2 1-2

See footnote at end of table.

TABLE 8.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	g/cc	In/hr	In/in	pH	mmhos/cm					Pct
1601*: Dithod-----	0-10	15-25	1.30-1.40	0.2-0.6	0.14-0.16	7.4-8.4	<4	Moderate	0.32	5	5	1-2
	10-40	18-25	1.35-1.45	0.2-0.6	0.16-0.18	6.6-8.4	<4	Moderate	0.32			
	40-60	10-18	1.45-1.65	0.6-2.0	0.11-0.13	6.6-8.4	<2	Low-----	0.20			
Fluvaquents----	0-6	0-5	1.45-1.65	>20	0.03-0.05	7.4-8.4	<2	Low-----	0.05	5	8	1-2
	6-60	5-25	1.25-1.65	0.2-6.0	0.04-0.10	7.4-8.4	<2	Low-----	0.17			
1620*: Mazuma, 4 to 8 percent slopes-	0-8	10-14	1.40-1.55	0.6-2.0	0.13-0.15	>7.8	<4	Low-----	0.43	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Mazuma, 0 to 4 percent slopes-	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Hawsley-----	0-8	5-12	1.50-1.65	6.0-20	0.06-0.08	6.6-8.4	<2	Low-----	0.15	5	2	<.5
	8-42	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
	42-60	0-5	1.50-1.70	>20	0.06-0.08	7.4-9.0	<2	Low-----	0.10			
1621*: Mazuma fine sandy loam----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Mazuma loam, clayey substratum----	0-8	10-16	1.40-1.55	0.6-2.0	0.13-0.15	>7.8	<4	Low-----	0.37	4	4L	<.5
	8-40	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
	40-60	35-45	1.40-1.60	0.06-0.2	0.16-0.19	>8.4	4-16	High-----	0.32			
1630*: Veta-----	0-6	5-15	1.35-1.50	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10	5	5	.8-2
	6-18	5-15	1.40-1.60	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
	18-60	2-15	1.50-1.70	2.0-6.0	0.04-0.08	6.6-8.4	<2	Low-----	0.10			
Mazuma-----	0-8	8-12	1.40-1.55	2.0-6.0	0.12-0.14	>7.8	<4	Low-----	0.28	5	3	<.5
	8-60	5-15	1.45-1.65	2.0-6.0	0.10-0.14	>7.8	4-16	Low-----	0.24			
Mazuma, moderately saline-----	0-8	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	8-16	Low-----	0.28	5	3	<.5
	8-30	5-15	1.40-1.55	2.0-6.0	0.11-0.13	>8.4	>8	Low-----	0.43			
	30-60	5-15	1.45-1.65	2.0-6.0	0.06-0.08	>7.8	>2	Low-----	0.24			

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

TABLE 9.--WATER FEATURES

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

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
120*: Home Camp-----	C	None-----	---	---	>6.0	---	---
Newlands-----	B	None-----	---	---	>6.0	---	---
131*: Devada-----	D	None-----	---	---	>6.0	---	---
Hart Camp-----	D	None-----	---	---	>6.0	---	---
Tunnison-----	D	None-----	---	---	>6.0	---	---
133*: Devada-----	D	None-----	---	---	>6.0	---	---
Tunnison-----	D	None-----	---	---	>6.0	---	---
Softscrabble-----	C	None-----	---	---	>6.0	---	---
134*: Devada-----	D	None-----	---	---	>6.0	---	---
Dosie-----	C	None-----	---	---	>6.0	---	---
Softscrabble-----	C	None-----	---	---	>6.0	---	---
135*: Devada-----	D	None-----	---	---	>6.0	---	---
Hart Camp-----	D	None-----	---	---	>6.0	---	---
136*: Devada-----	D	None-----	---	---	>6.0	---	---
Tunnison-----	D	None-----	---	---	>6.0	---	---
137*: Devada-----	D	None-----	---	---	>6.0	---	---
Tunnison-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
138*: Devada-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Tunnison-----	D	None-----	---	---	>6.0	---	---
150*: Skedaddle-----	D	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
151*: Skedaddle-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
160*: Dun Glen-----	B	Rare-----	---	---	>6.0	---	---
Davey-----	B	Rare-----	---	---	>6.0	---	---
Hawsley-----	A	None-----	---	---	>6.0	---	---
170*: Zorravista-----	A	None-----	---	---	>6.0	---	---
Davey-----	B	None-----	---	---	>6.0	---	---
171----- Zorravista	A	None-----	---	---	>6.0	---	---
172*: Zorravista-----	A	None-----	---	---	>6.0	---	---
Swingler-----	B	None-----	---	---	5.0-6.0	Apparent	Apr-Sep
181*: Tunnison-----	D	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
182*: Tunnison, cobbly-----	D	None-----	---	---	>6.0	---	---
Rubble land-----	A	None-----	---	---	>6.0	---	---
Tunnison, very cobbly--	D	None-----	---	---	>6.0	---	---
183*: Tunnison, very cobbly--	D	None-----	---	---	>6.0	---	---
Tunnison, cobbly-----	D	None-----	---	---	>6.0	---	---
190*: Swingler fine sandy loam-----	B	None-----	---	---	>6.0	---	---
Swingler loamy sand---	B	None-----	---	---	>6.0	---	---
193*: Swingler-----	B	None-----	---	---	>6.0	---	---
Ragtown-----	C	None-----	---	---	>6.0	---	---
200*: Churchill-----	D	None-----	---	---	4.5-6.0	Apparent	Jan-Apr
Swingler-----	B	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
210*:					<u>Ft</u>		
Veta-----	B	Rare-----	---	---	>6.0	---	---
Langston-----	B	None-----	---	---	>6.0	---	---
212*:							
Veta-----	B	Rare-----	---	---	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
220-----	C	None-----	---	---	>6.0	---	---
Cewat							
241*:							
Benin, rarely flooded--	D	Rare-----	---	---	>6.0	---	---
Benin, occasionally flooded-----	D	Occasional-----	Very brief----	Nov-Jun	>6.0	---	---
250*:							
Old Camp-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
251*:							
Old Camp-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---
258*:							
Old Camp-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Theon-----	D	None-----	---	---	>6.0	---	---
261*:							
Pickup-----	C	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
262*:							
Pickup-----	C	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
Terca-----	D	None-----	---	---	>6.0	---	---
264*:							
Pickup-----	C	None-----	---	---	>6.0	---	---
Wylo-----	D	None-----	---	---	>6.0	---	---
271*:							
Wylo-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
271*: Pickup-----	C	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
272*: Wylo-----	D	None-----	---	---	>6.0	---	---
Manogue-----	D	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---
273*: Wylo-----	D	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
Rock outcrop.							
274*: Wylo-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
279*: Wylo-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
280*: Bombadil-----	D	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
282*: Bombadil-----	D	None-----	---	---	>6.0	---	---
Hefed-----	B	None-----	---	---	>6.0	---	---
Rubble land-----	A	None-----	---	---	>6.0	---	---
283*: Bombadil-----	D	None-----	---	---	>6.0	---	---
Ceejay-----	D	None-----	---	---	>6.0	---	---
284*: Bombadil-----	D	None-----	---	---	>6.0	---	---
Corral-----	C	None-----	---	---	>6.0	---	---
310*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
312*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
313*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Bombadil-----	D	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
314*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Oppio-----	C	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
315*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Bombadil-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
316*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Manogue-----	D	None-----	---	---	>6.0	---	---
Fulstone-----	D	None-----	---	---	>6.0	---	---
317*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Corral-----	C	None-----	---	---	>6.0	---	---
Oppio-----	C	None-----	---	---	>6.0	---	---
318*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
330*: Hart Camp-----	D	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
340*: Reywat-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
344*: Reywat-----	D	None-----	---	---	>6.0	---	---
Ister-----	C	None-----	---	---	>6.0	---	---
362----- Brubeck	D	None-----	---	---	>6.0	---	---
370*: Terca-----	D	None-----	---	---	>6.0	---	---
Softscrabble-----	C	None-----	---	---	>6.0	---	---
Rock outcrop.							
371*: Terca-----	D	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
372*: Terca-----	D	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
373*: Terca-----	D	None-----	---	---	>6.0	---	---
Softscrabble-----	C	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
374*: Terca-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Wylo-----	D	None-----	---	---	>6.0	---	---
420*: Fulstone-----	D	None-----	---	---	>6.0	---	---
Wylo-----	D	None-----	---	---	>6.0	---	---
421*: Fulstone-----	D	None-----	---	---	>6.0	---	---
Chalco-----	D	None-----	---	---	>6.0	---	---
422----- Fulstone	D	None-----	---	---	>6.0	---	---
441*: Rezave-----	D	None-----	---	---	>6.0	---	---
Theon-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
460*: Chill-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
491----- Oppio	C	None-----	---	---	>6.0	---	---
500----- Smaug	B	None-----	---	---	>6.0	---	---
510*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Bombadil-----	D	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
511*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Corral-----	C	None-----	---	---	>6.0	---	---
Rubble land-----	A	None-----	---	---	>6.0	---	---
513*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
515*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Reywat-----	D	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
517*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Softscrabble-----	C	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
518*: Bucklake-----	C	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---
Wylo-----	D	None-----	---	---	>6.0	---	---
540*: Mazuma loamy fine sand-----	B	None-----	---	---	>6.0	---	---
Mazuma fine sandy loam-----	B	None-----	---	---	>6.0	---	---
541----- Mazuma	B	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
542*: Mazuma-----	B	None-----	---	---	>6.0	---	---
Ragtown-----	C	None-----	---	---	>6.0	---	---
543*: Mazuma-----	B	None-----	---	---	>6.0	---	---
Swingler-----	B	None-----	---	---	>6.0	---	---
545*: Mazuma-----	B	None-----	---	---	>6.0	---	---
Davey-----	B	None-----	---	---	>6.0	---	---
Mazuma, moderately saline-----	B	None-----	---	---	>6.0	---	---
546*: Mazuma-----	B	None-----	---	---	>6.0	---	---
Mazuma, moderately saline-----	B	None-----	---	---	>6.0	---	---
547, 548----- Mazuma	B	None-----	---	---	>6.0	---	---
549*: Mazuma-----	B	None-----	---	---	>6.0	---	---
Smaug-----	B	None-----	---	---	>6.0	---	---
560*: Toulon-----	B	None-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
Hawsley-----	A	None-----	---	---	>6.0	---	---
561*: Toulon-----	B	None-----	---	---	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
580*: Verdico-----	D	None-----	---	---	>6.0	---	---
Corral-----	C	None-----	---	---	>6.0	---	---
581*: Verdico-----	D	None-----	---	---	>6.0	---	---
Chalco-----	D	None-----	---	---	>6.0	---	---
590----- Buffaran	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
591*: Buffaran-----	D	None-----	---	---	>6.0	---	---
Bombadil-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
592*: Buffaran-----	D	None-----	---	---	>6.0	---	---
Corral-----	C	None-----	---	---	>6.0	---	---
610*: Haybourne-----	B	Rare-----	---	---	>6.0	---	---
Mottsville-----	A	Rare-----	---	---	>6.0	---	---
Incy-----	A	None-----	---	---	>6.0	---	---
611*: Haybourne-----	B	Rare-----	---	---	>6.0	---	---
Zorravista-----	A	None-----	---	---	>6.0	---	---
Fulstone-----	D	None-----	---	---	>6.0	---	---
614----- Haybourne	B	Rare-----	---	---	>6.0	---	---
615*: Haybourne-----	B	Rare-----	---	---	>6.0	---	---
Dun Glen-----	B	Rare-----	---	---	>6.0	---	---
616----- Haybourne	B	Rare-----	---	---	>6.0	---	---
620*: Leviathan-----	B	None-----	---	---	>6.0	---	---
Barnard-----	C	None-----	---	---	>6.0	---	---
621*: Leviathan-----	B	None-----	---	---	>6.0	---	---
Springmeyer-----	B	None-----	---	---	>6.0	---	---
Haybourne-----	B	Rare-----	---	---	>6.0	---	---
622----- Leviathan	B	None-----	---	---	>6.0	---	---
630----- Chappuis	C	None-----	---	---	4.0-5.0	Apparent	Jan-Apr
702*: Graufels-----	C	None-----	---	---	>6.0	---	---
Glenbrook-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
710*: Thulepah-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
711*: Thulepah-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
Rock outcrop.							
721*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Sumine-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
722*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
Indiano-----	C	None-----	---	---	>6.0	---	---
723*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
Thulepah-----	C	None-----	---	---	>6.0	---	---
725*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Sumine-----	C	None-----	---	---	>6.0	---	---
Prunie-----	D	None-----	---	---	>6.0	---	---
726*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Dosie-----	C	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
727*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Hart Camp-----	D	None-----	---	---	>6.0	---	---
728*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
Burnborough-----	B	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
729*: Softscrabble-----	C	None-----	---	---	>6.0	---	---
Dosie-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
730*: Arzo-----	C	None-----	---	---	>6.0	---	---
Indiano-----	C	None-----	---	---	>6.0	---	---
Barnard-----	C	None-----	---	---	>6.0	---	---
750*: Gitakup-----	C	None-----	---	---	>6.0	---	---
Tresed-----	C	None-----	---	---	>6.0	---	---
Ragtown-----	C	None-----	---	---	>6.0	---	---
760*: Ganaflan-----	C	None-----	---	---	>6.0	---	---
Smaug-----	B	None-----	---	---	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
770*: Tresed-----	C	None-----	---	---	>6.0	---	---
Gitakup-----	C	None-----	---	---	>6.0	---	---
Playas-----	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
780*: Chuckles-----	B	None-----	---	---	>6.0	---	---
Playas-----	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
781*: Chuckles-----	B	None-----	---	---	>6.0	---	---
Ragtown-----	C	None-----	---	---	>6.0	---	---
Playas-----	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
790*: Galeppi-----	B	None-----	---	---	>6.0	---	---
Barnard-----	C	None-----	---	---	>6.0	---	---
800----- Boulder Lake	D	None-----	---	---	+1-1.5	Perched	Dec-Jun
810*: Voltaire-----	D	Occasional-----	Brief-----	Dec-Mar	0-1.5	Apparent	Dec-May
Truckee-----	C	Rare-----	---	---	2.0-5.0	Apparent	Dec-Jul

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
811*: Voltaire-----	C	Rare-----	---	---	5.0-6.0	Apparent	Dec-May
Fluvaquents-----	D	Frequent-----	Brief to long	Dec-Aug	0-3.0	Apparent	Dec-Nov
Veta-----	B	Rare-----	---	---	>6.0	---	---
820*: Horsecamp-----	D	None-----	---	---	>6.0	---	---
Mahala-----	D	None-----	---	---	>6.0	---	---
831----- Kayo	B	Rare-----	---	---	>6.0	---	---
841*----- Beaches	D	Frequent-----	Very brief to long.	Jan-Dec	0-6.0	Apparent	Jan-Dec
850*: Osoobb-----	D	None-----	---	---	>6.0	---	---
Rezave-----	D	None-----	---	---	>6.0	---	---
Fireball-----	B	None-----	---	---	>6.0	---	---
890*: Slocave-----	D	None-----	---	---	>6.0	---	---
Arclay----- Rock outcrop.	D	None-----	---	---	>6.0	---	---
892*: Slocave-----	D	None-----	---	---	>6.0	---	---
Singatse-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
893*: Slocave, 30 to 50 percent slopes-----	D	None-----	---	---	>6.0	---	---
Slocave, 8 to 30 percent slopes----- Rock outcrop.	D	None-----	---	---	>6.0	---	---
900*----- Playas	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
901*: Dune land-----	A	None-----	---	---	>6.0	---	---
Playas-----	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
910*: Shawave-----	B	None-----	---	---	>6.0	---	---
Deadyon-----	B	Rare-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
930*: Typic Torriorthents-----	C	None-----	---	---	Ft >6.0	---	---
Aquic Torriorthents-----	C	None-----	---	---	3.0-5.0	Apparent	Jan-Jul
940*: Hawsley-----	A	None-----	---	---	>6.0	---	---
Hawsley, dry-----	A	None-----	---	---	>6.0	---	---
950*: Cleaver-----	D	None-----	---	---	>6.0	---	---
Xeric Torriorthents-----	C	None-----	---	---	>6.0	---	---
972*: Isolde-----	A	None-----	---	---	>6.0	---	---
Toulon-----	B	None-----	---	---	>6.0	---	---
1043*: Bluewing-----	A	Occasional-----	Very brief----	Jul-Sep	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
1060*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
1061*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Bluewing-----	A	Rare-----	---	---	>6.0	---	---
1063*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Ganaflan-----	C	None-----	---	---	>6.0	---	---
Bluewing-----	A	Rare-----	---	---	>6.0	---	---
1064*: Trocken, very stony----	B	Rare-----	---	---	>6.0	---	---
Trocken, gravelly-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
1065*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Ruhe-----	D	None-----	---	---	>6.0	---	---
Bluewing-----	A	Rare-----	---	---	>6.0	---	---
1067*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
1068*: Trocken-----	B	Rare-----	---	---	>6.0	---	---
Hawsley-----	A	None-----	---	---	>6.0	---	---
1160*: Glenbrook-----	D	None-----	---	---	>6.0	---	---
Graufels-----	C	None-----	---	---	>6.0	---	---
Rock outcrop.							
1190*: Ragtown-----	C	None-----	---	---	>6.0	---	---
Isolde-----	A	None-----	---	---	>6.0	---	---
1191*: Ragtown-----	C	None-----	---	---	>6.0	---	---
Ragtown, moist-----	C	None-----	---	---	>6.0	---	---
1192*: Ragtown-----	C	None-----	---	---	>6.0	---	---
Umlerland-----	D	Rare-----	---	---	2.5-5.0	Apparent	Dec-Jun
Ragtown, dry-----	C	None-----	---	---	>6.0	---	---
1194*: Ragtown-----	C	None-----	---	---	>6.0	---	---
Swingler-----	B	None-----	---	---	>6.0	---	---
Benin-----	D	Occasional-----	Very brief----	Nov-Jun	>6.0	---	---
1200*: Dosie-----	C	None-----	---	---	>6.0	---	---
Devada-----	D	None-----	---	---	>6.0	---	---
1201*: Dosie-----	C	None-----	---	---	>6.0	---	---
Rubble land-----	A	None-----	---	---	>6.0	---	---
1220*: Ceejay-----	D	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---
1221----- Ceejay	D	None-----	---	---	>6.0	---	---
1222*: Ceejay-----	D	None-----	---	---	>6.0	---	---
Verdico-----	D	None-----	---	---	>6.0	---	---
Chalco-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
1230*: Singatse-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
1240*: Labkey-----	B	None-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
1250*: Jerval-----	B	None-----	---	---	>6.0	---	---
Dorper-----	D	None-----	---	---	>6.0	---	---
1251*: Jerval, 2 to 8 percent slopes-----	B	None-----	---	---	>6.0	---	---
Jerval, 8 to 30 percent slopes-----	B	None-----	---	---	>6.0	---	---
Kumiva-----	B	Rare-----	---	---	>6.0	---	---
1254*: Jerval silt loam-----	B	None-----	---	---	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
Jerval, bouldery-----	B	None-----	---	---	>6.0	---	---
1255*: Jerval-----	B	None-----	---	---	>6.0	---	---
Veta-----	B	Rare-----	---	---	>6.0	---	---
1260*: Sojur-----	D	None-----	---	---	>6.0	---	---
Phliss-----	D	None-----	---	---	>6.0	---	---
1270----- Deadyon	B	Rare-----	---	---	>6.0	---	---
1290*: Hutchley-----	D	None-----	---	---	>6.0	---	---
Terca-----	D	None-----	---	---	>6.0	---	---
1310*: Hooplite-----	D	None-----	---	---	>6.0	---	---
Singatse-----	D	None-----	---	---	>6.0	---	---
1320*: Jaybee-----	D	None-----	---	---	>6.0	---	---
Theon-----	D	None-----	---	---	>6.0	---	---
Singatse-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth Ft	Kind	Months
1340----- Phing	C	None-----	---	---	>6.0	---	---
1360*: Mastly-----	B	Occasional-----	Very brief----	Dec-Aug	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
1370*: Theon-----	D	None-----	---	---	>6.0	---	---
Jaybee-----	D	None-----	---	---	>6.0	---	---
1372*: Theon-----	D	None-----	---	---	>6.0	---	---
Old Camp-----	D	None-----	---	---	>6.0	---	---
1373*: Theon-----	D	None-----	---	---	>6.0	---	---
Trocken-----	B	Rare-----	---	---	>6.0	---	---
Singatse-----	D	None-----	---	---	>6.0	---	---
1392*: Ninemile-----	D	None-----	---	---	>6.0	---	---
Newlands-----	B	None-----	---	---	>6.0	---	---
1401*: Dedmount-----	D	Rare-----	---	---	4.0-6.0	Apparent	Feb-Jun
Umberland-----	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
1410----- Juva	B	Occasional-----	Very brief----	Jun-Sep	>6.0	---	---
1420*: Perwaso, occasionally flooded-----	B	Occasional-----	Very brief to brief.	Dec-May	>6.0	---	---
Perwaso, rarely flooded	B	Rare-----	---	---	>6.0	---	---
1430*: Slaw, rarely flooded---	C	Rare-----	---	---	>6.0	---	---
Slaw, occasionally flooded-----	C	Occasional-----	Very brief to brief.	Dec-Jun	>6.0	---	---
1440----- Umberland	D	Occasional-----	Long-----	Dec-Jun	2.5-5.0	Apparent	Dec-Jun
1442*: Umberland-----	D	Occasional-----	Long-----	Dec-Jun	2.5-5.0	Apparent	Dec-Jun
Benin-----	D	Rare-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
					<u>Ft</u>		
1443*: Umberland silt loam-----	D	Rare-----	---	---	2.5-5.0	Apparent	Dec-Jun
Ragtown-----	C	None-----	---	---	>6.0	---	---
Umberland, ponded-----	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
1444----- Umberland	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
1445*: Umberland-----	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
Playas-----	D	None-----	---	---	+1-1.0	Apparent	Feb-Sep
Ragtown-----	C	None-----	---	---	>6.0	---	---
1446*: Umberland, ponded-----	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
Umberland, unponded-----	D	None-----	---	---	2.5-5.0	Apparent	Dec-Jun
1447*: Dedmount-----	D	Rare-----	---	---	4.0-6.0	Apparent	Feb-Jun
Umberland, unponded-----	D	Rare-----	---	---	2.5-5.0	Apparent	Dec-Jun
Umberland, ponded-----	D	None-----	---	---	+1-2.5	Apparent	Jan-Dec
1460*: Chalco-----	D	None-----	---	---	>6.0	---	---
Chalco, dry-----	D	None-----	---	---	>6.0	---	---
1461*: Chalco very gravelly clay loam-----	D	None-----	---	---	>6.0	---	---
Chalco very gravelly loam-----	D	None-----	---	---	>6.0	---	---
Pickup-----	C	None-----	---	---	>6.0	---	---
1470*: Squawval-----	C	None-----	---	---	>6.0	---	---
Hutchley-----	D	None-----	---	---	>6.0	---	---
Tosp-----	B	None-----	---	---	>6.0	---	---
1480*: Eaglerock-----	C	None-----	---	---	>6.0	---	---
Wagore-----	B	None-----	---	---	>6.0	---	---
1490*: Berit-----	D	None-----	---	---	>6.0	---	---
Deanran-----	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
1490*: Rock outcrop.					<u>Ft</u>		
1491*: Berit-----	D	None-----	---	---	>6.0	---	---
Noslo----- Rock outcrop.	C	None-----	---	---	>6.0	---	---
1500*: Hastee-----	B	None-----	---	---	>6.0	---	---
Granipeak----- Rock outcrop.	B	None-----	---	---	>6.0	---	---
1510----- Greenbrae	C	None-----	---	---	>6.0	---	---
1520*: Kaffur-----	D	None-----	---	---	>6.0	---	---
Slocave----- Rock outcrop.	D	None-----	---	---	>6.0	---	---
1530*: Coppereid, eroded-----	D	None-----	---	---	>6.0	---	---
Coppereid, uneroded-----	D	None-----	---	---	>6.0	---	---
Kreza-----	D	None-----	---	---	>6.0	---	---
1540*: Foxcan-----	D	None-----	---	---	>6.0	---	---
Sojur----- Rock outcrop.	D	None-----	---	---	>6.0	---	---
1550*: Wylo-----	D	None-----	---	---	>6.0	---	---
Ister-----	C	None-----	---	---	>6.0	---	---
1552*: Wylo-----	D	None-----	---	---	>6.0	---	---
Bucklake-----	C	None-----	---	---	>6.0	---	---
1560*: Manogue-----	D	None-----	---	---	>6.0	---	---
Ceejay-----	D	None-----	---	---	>6.0	---	---
1570----- Espil	D	None-----	---	---	>6.0	---	---

See footnote at end of table.

TABLE 9.--WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Flooding			High water table		
		Frequency	Duration	Months	Depth	Kind	Months
1580*:					<u>Ft</u>		
Trocken-----	B	Rare-----	---	---	>6.0	---	---
Ganaflan-----	C	None-----	---	---	>6.0	---	---
Bluewing-----	A	Rare-----	---	---	>6.0	---	---
1581*:							
Trocken-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
Hawsley-----	A	None-----	---	---	>6.0	---	---
1590*:							
Typic Torriorthents----	A	None-----	---	---	>6.0	---	---
Ragtown-----	C	None-----	---	---	>6.0	---	---
1600-----	B	Occasional-----	Very brief----	Nov-Jun	>6.0	---	---
Dithod							
1601*:							
Dithod-----	B	Occasional-----	Very brief----	Nov-Jun	>6.0	---	---
Fluvaquents-----	D	Frequent-----	Brief to long	Dec-Aug	0-3.0	Apparent	Dec-Nov
1620*:							
Mazuma, 4 to 8 percent slopes-----	B	None-----	---	---	>6.0	---	---
Mazuma, 0 to 4 percent slopes-----	B	None-----	---	---	>6.0	---	---
Hawsley-----	A	None-----	---	---	>6.0	---	---
1621*:							
Mazuma fine sandy loam-----	B	None-----	---	---	>6.0	---	---
Mazuma loam, clayey substratum-----	C	None-----	---	---	>6.0	---	---
1630*:							
Veta-----	B	Rare-----	---	---	>6.0	---	---
Mazuma-----	B	None-----	---	---	>6.0	---	---
Mazuma, moderately saline-----	B	None-----	---	---	>6.0	---	---

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

TABLE 10.--SOIL FEATURES

(The symbol < means less than; > means more than. Absence of an entry indicates that the feature is not a concern or that data were not estimated)

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
120*: Home Camp-----	20-40	Soft	---	---	Moderate-----	Moderate-----	Low.
Newlands-----	40-60	Hard	---	---	Moderate-----	Moderate-----	Low.
131*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Hart Camp-----	10-20	Soft	---	---	Moderate-----	Moderate-----	Low.
Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
133*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
134*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Dosie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
135*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Hart Camp-----	10-20	Soft	---	---	Moderate-----	Moderate-----	Low.
136*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
137*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
Rock outcrop.							
138*: Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
150*: Skedaddle-----	4-12	Hard	---	---	Moderate-----	Moderate-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Rock outcrop.							

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
151*: Skedaddle-----	4-12	Hard	---	---	Moderate-----	Moderate-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
160*: Dun Glen-----	>60	---	---	---	Low-----	High-----	Low.
Davey-----	>60	---	---	---	Low-----	High-----	Low.
Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
170*: Zorravista-----	>60	---	---	---	Low-----	Moderate-----	Low.
Davey-----	>60	---	---	---	Low-----	High-----	Low.
171----- Zorravista	>60	---	---	---	Low-----	Moderate-----	Low.
172*: Zorravista-----	>60	---	---	---	Low-----	Moderate-----	Low.
Swingler-----	>60	---	---	---	Low-----	High-----	Moderate.
181*: Tunnison-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
182*: Tunnison, cobbly-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
Rubble land-----	>40	Hard	---	---	---	---	---
Tunnison, very cobbly--	20-40	Hard	---	---	Moderate-----	High-----	Low.
183*: Tunnison, very cobbly--	20-40	Hard	---	---	Moderate-----	High-----	Low.
Tunnison, cobbly-----	20-40	Hard	---	---	Moderate-----	High-----	Low.
190*: Swingler fine sandy loam-----	>60	---	---	---	Low-----	High-----	Moderate.
Swingler loamy sand----	>60	---	---	---	Low-----	High-----	Moderate.
193*: Swingler-----	>60	---	---	---	Low-----	High-----	High.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
200*: Churchill-----	>60	---	---	---	Low-----	High-----	High.
Swingler-----	>60	---	---	---	Low-----	High-----	Moderate.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
210*: Veta-----	>60	---	---	---	Moderate-----	High-----	Low.
Langston-----	>60	---	---	---	Moderate-----	High-----	Low.
212*: Veta-----	>60	---	---	---	Moderate-----	High-----	Low.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
220----- Cewat	20-40	Hard	---	---	Low-----	Moderate-----	Low.
241*: Benin, rarely flooded--	>60	---	---	---	Low-----	High-----	High.
Benin, occasionally flooded-----	>60	---	---	---	Low-----	High-----	High.
250*: Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
251*: Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
258*: Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
261*: Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
262*: Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
264*: Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
271*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
271*: Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
272*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Manogue-----	40-60	Soft	---	---	Low-----	High-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
273*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Rock outcrop.							
274*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Rock outcrop.							
279*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
280*: Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
282*: Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Hefed-----	>60	---	---	---	Moderate-----	High-----	Low.
Rubble land-----	>40	Hard	---	---	---	---	---
283*: Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Ceejay-----	14-20	Hard	---	---	Low-----	High-----	Low.
284*: Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Corral-----	12-20	Soft	---	---	Low-----	Moderate-----	Low.
310*: Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
312*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
313*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
314*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Oppio-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
315*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
316*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Manogue-----	40-60	Soft	---	---	Low-----	High-----	Low.
Fulstone-----	>60	---	14-20	Thick	Moderate-----	High-----	Low.
317*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Corral-----	12-20	Soft	---	---	Low-----	Moderate-----	Low.
Oppio-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
318*:							
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
330*:							
Hart Camp-----	10-20	Soft	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
340*:							
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
344*:							
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
344*: Ister-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
362----- Brubeck	20-40	Hard	---	---	Moderate-----	High-----	Low.
370*: Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
371*: Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
Rock outcrop.							
372*: Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
373*: Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
374*: Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Raywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
420*: Fulstone-----	>60	---	14-20	Thick	Moderate-----	High-----	Low.
Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
421*: Fulstone-----	>60	---	14-20	Thick	Moderate-----	High-----	Low.
Chalco-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
422----- Fulstone	>60	---	14-20	Thick	Moderate-----	High-----	Low.
441*: Rezave-----	14-20	Hard	---	---	Low-----	High-----	High.
Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
460*: Chill-----	6-14	Soft	---	---	Moderate-----	Moderate-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
460*: Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
491----- Oppio	20-40	Hard	---	---	Low-----	Moderate-----	Low.
500----- Smaug	>60	---	---	---	Low-----	High-----	Moderate.
510*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Bombadil-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
511*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Corral-----	12-20	Soft	---	---	Low-----	Moderate-----	Low.
Rubble land-----	>40	Hard	---	---	---	---	---
513*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
515*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Reywat-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
517*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
518*: Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
540*: Mazuma loamy fine sand-	>60	---	---	---	Low-----	High-----	High.
Mazuma fine sandy loam-	>60	---	---	---	Low-----	High-----	High.
541----- Mazuma	>60	---	---	---	Low-----	High-----	High.
542*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
542*: Ragtown-----	>60	---	---	---	Low-----	High-----	High.
543*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Swingler-----	>60	---	---	---	Low-----	High-----	High.
545*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Davey-----	>60	---	---	---	Low-----	High-----	Low.
Mazuma, moderately saline-----	>60	---	---	---	Low-----	High-----	High.
546*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Mazuma, moderately saline-----	>60	---	---	---	Low-----	High-----	High.
547, 548----- Mazuma	>60	---	---	---	Low-----	High-----	High.
549*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Smaug-----	>60	---	---	---	Low-----	High-----	Moderate.
560*: Toulon-----	>60	---	---	---	Low-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
561*: Toulon-----	>60	---	---	---	Low-----	High-----	Low.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
580*: Verdico-----	20-40	Soft	---	---	Low-----	Moderate-----	Low.
Corral-----	12-20	Soft	---	---	Low-----	Moderate-----	Low.
581*: Verdico-----	20-40	Soft	---	---	Low-----	Moderate-----	Low.
Chalco-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
590----- Buffaran	>60	---	14-20	Thick	Low-----	High-----	Low.
591*: Buffaran-----	>60	---	14-20	Thick	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
591*: Bombadil----- Rock outcrop.	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
592*: Buffaran----- Corral-----	>60 12-20	--- Soft	14-20 ---	Thick ---	Low----- Low-----	High----- Moderate-----	Low. Low.
610*: Haybourne----- Mottsville----- Incy-----	>60 >60 >60	--- --- ---	--- --- ---	--- --- ---	Moderate----- Low----- Low-----	High----- Moderate----- Moderate-----	Low. Moderate. Low.
611*: Haybourne----- Zorravista----- Fulstone-----	>60 >60 >60	--- --- ---	--- --- 14-20	--- --- Thick	Moderate----- Low----- Moderate-----	High----- Moderate----- High-----	Low. Low. Low.
614----- Haybourne	>60	---	---	---	Moderate-----	High-----	Low.
615*: Haybourne----- Dun Glen-----	>60 >60	--- ---	--- ---	--- ---	Moderate----- Low-----	High----- High-----	Low. Low.
616----- Haybourne	>60	---	---	---	Moderate-----	High-----	Low.
620*: Leviathan----- Barnard-----	>60 >60	--- ---	--- 20-40	--- Thick	Moderate----- Low-----	Moderate----- Moderate-----	Low. Low.
621*: Leviathan----- Springmeyer----- Haybourne-----	>60 >60 >60	--- --- ---	--- --- ---	--- --- ---	Moderate----- Moderate----- Moderate-----	Moderate----- High----- High-----	Low. Low. Low.
622----- Leviathan	>60	---	---	---	Moderate-----	Moderate-----	Low.
630----- Chappuis	>60	---	---	---	Low-----	High-----	Low.
702*: Graufels----- Glenbrook-----	20-40 10-20	Soft Soft	--- ---	--- ---	Low----- Low-----	Moderate----- Moderate-----	Low. Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
710*: Thulepah-----	>60	---	---	---	Moderate-----	Moderate-----	Moderate.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
711*: Thulepah-----	>60	---	---	---	Moderate-----	Moderate-----	Moderate.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
721*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Sumine-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
722*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
Indiano-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
723*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Thulepah-----	>60	---	---	---	Moderate-----	Moderate-----	Moderate.
725*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Sumine-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
Prunie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
726*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Dosie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
727*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Hart Camp-----	10-20	Soft	---	---	Moderate-----	Moderate-----	Low.
728*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Burnborough-----	>60	---	---	---	Moderate-----	Moderate-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
729*: Softscrabble-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Dosie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
730*: Arzo-----	20-40	Soft	---	---	Low-----	High-----	Low.
Indiano-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
Barnard-----	>60	---	20-40	Thick	Low-----	Moderate-----	Low.
750*: Gitakup-----	>60	---	---	---	Low-----	High-----	High.
Tresed-----	>60	---	---	---	Low-----	High-----	High.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
760*: Ganaflan-----	20-40	Soft	---	---	Low-----	High-----	Moderate.
Smaug-----	>60	---	---	---	Low-----	High-----	Moderate.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
770*: Tresed-----	>60	---	---	---	Low-----	High-----	High.
Gitakup-----	>60	---	---	---	Low-----	High-----	High.
Playas-----	>60	---	---	---	---	High-----	High.
780*: Chuckles-----	>60	---	---	---	Low-----	High-----	High.
Playas-----	>60	---	---	---	---	High-----	High.
781*: Chuckles-----	>60	---	---	---	Low-----	High-----	High.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Playas-----	>60	---	---	---	---	High-----	High.
790*: Galeppi-----	>60	---	---	---	Moderate-----	Moderate-----	Low.
Barnard-----	>60	---	20-40	Thick	Low-----	Moderate-----	Low.
800----- Boulder Lake	>60	---	---	---	Moderate-----	High-----	Low.
810*: Voltaire-----	>60	---	---	---	High-----	High-----	Moderate.
Truckee-----	>60	---	---	---	High-----	High-----	High.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
811*: Voltaire-----	>60	---	---	---	Moderate-----	High-----	Low.
Fluvaquents-----	>60	---	---	---	High-----	High-----	Low.
Veta-----	>60	---	---	---	Moderate-----	High-----	Low.
820*: Horsecamp-----	40-60	Hard	---	---	Moderate-----	High-----	Low.
Mahala-----	20-40	Soft	---	---	Low-----	High-----	Low.
831----- Kayo	>60	---	---	---	Moderate-----	High-----	Low.
841*----- Beaches	>60	---	---	---	---	---	---
850*: Osobb-----	9-30	Hard	8-20	Thin	Low-----	High-----	Low.
Rezave-----	14-20	Hard	---	---	Low-----	High-----	High.
Fireball-----	40-60	Hard	---	---	Low-----	High-----	Low.
890*: Slocave-----	4-14	Soft	---	---	Low-----	High-----	Low.
Arclay-----	14-20	Soft	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
892*: Slocave-----	4-14	Soft	---	---	Low-----	High-----	Low.
Singatse-----	4-10	Hard	---	---	Low-----	High-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
893*: Slocave, 30 to 50 percent slopes-----	4-14	Soft	---	---	Low-----	High-----	Low.
Slocave, 8 to 30 percent slopes-----	4-14	Soft	---	---	Low-----	High-----	Low.
Rock outcrop.							
900*----- Playas	>60	---	---	---	---	High-----	High.
901*: Dune land-----	>60	---	---	---	---	---	---
Playas-----	>60	---	---	---	---	High-----	High.
910*: Shawave-----	>60	---	---	---	Moderate-----	High-----	Low.
Deadyon-----	>60	---	---	---	Moderate-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
930*: Typic Torriorthents----	>60	---	---	---	Low-----	High-----	High.
Aquic Torriorthents----	>60	---	---	---	High-----	High-----	High.
940*: Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
Hawsley, dry-----	>60	---	---	---	Low-----	High-----	Low.
950*: Cleaver-----	>60	---	10-20	Thick	Low-----	High-----	Low.
Xeric Torriorthents----	10-60	Soft	---	---	Low-----	High-----	Low.
972*: Isolde-----	>60	---	---	---	Low-----	High-----	Low.
Toulon-----	>60	---	---	---	Low-----	High-----	Low.
1043*: Bluewing-----	>60	---	---	---	Low-----	High-----	Low.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
1060*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
1061*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.
Bluewing-----	>60	---	---	---	Low-----	High-----	Low.
1063*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.
Ganaflan-----	20-40	Soft	---	---	Low-----	High-----	Moderate.
Bluewing-----	>60	---	---	---	Low-----	High-----	Low.
1064*: Trocken, very stony----	>60	---	---	---	Low-----	High-----	High.
Trocken, gravelly----	>60	---	---	---	Low-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
1065*: Trocken-----	>60	---	---	---	Low-----	High-----	High.
Ruhe-----	14-20	Soft	---	---	Low-----	High-----	Low.
Bluewing-----	>60	---	---	---	Low-----	High-----	Low.
1067*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1067*: Mazuma-----	>60	---	---	---	Low-----	High-----	High.
1068*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.
Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
1160*: Glenbrook-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
Graufels-----	20-40	Soft	---	---	Low-----	Moderate-----	Low.
Rock outcrop.							
1190*: Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Isolde-----	>60	---	---	---	Low-----	High-----	Low.
1191*: Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Ragtown, moist-----	>60	---	---	---	Low-----	High-----	High.
1192*: Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Umberland-----	>60	---	---	---	High-----	High-----	High.
Ragtown, dry-----	>60	---	---	---	Low-----	High-----	High.
1194*: Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Swingler-----	>60	---	---	---	Low-----	High-----	Moderate.
Benin-----	>60	---	---	---	Low-----	High-----	High.
1200*: Dosie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
Devada-----	12-20	Hard	---	---	Low-----	Moderate-----	Low.
1201*: Dosie-----	40-60	Hard	---	---	Low-----	Moderate-----	Low.
Rubble land-----	>40	Hard	---	---	---	---	---
1220*: Ceejay-----	14-20	Hard	---	---	Low-----	High-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
1221----- Ceejay	14-20	Hard	---	---	Low-----	High-----	Low.
1222*: Ceejay-----	14-20	Hard	---	---	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
1222*: Verdico-----	20-40	Soft	---	---	Low-----	Moderate-----	Low.
Chalco-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
1230*: Singatse-----	4-10	Hard	---	---	Low-----	High-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
1240*: Labkey-----	>60	---	---	---	Low-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
1250*: Jerval-----	>60	---	---	---	Low-----	High-----	High.
Dorper-----	>60	---	---	---	Low-----	High-----	High.
1251*: Jerval, 2 to 8 percent slopes-----	>60	---	---	---	Low-----	High-----	High.
Jerval, 8 to 30 percent slopes-----	>60	---	---	---	Low-----	High-----	High.
Kumiva-----	>60	---	---	---	Low-----	High-----	Low.
1254*: Jerval silt loam-----	>60	---	---	---	Low-----	High-----	High.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
Jerval, bouldery-----	>60	---	---	---	Low-----	High-----	High.
1255*: Jerval-----	>60	---	---	---	Low-----	High-----	High.
Veta-----	>60	---	---	---	Moderate-----	High-----	Low.
1260*: Sojur-----	4-10	Hard	---	---	Low-----	High-----	Low.
Phliss-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
1270----- Deadyon	>60	---	---	---	Moderate-----	High-----	Low.
1290*: Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Terca-----	14-20	Hard	---	---	Moderate-----	Moderate-----	Low.
1310*: Hooplite-----	6-14	Hard	---	---	Moderate-----	High-----	Low.
Singatse-----	4-10	Hard	---	---	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1320*: Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
Singatse-----	4-10	Hard	---	---	Low-----	High-----	Low.
1340----- Phing	>60	---	---	---	Low-----	High-----	Low.
1360*: Mastly-----	>60	---	---	---	Moderate-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
1370*: Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
Jaybee-----	7-14	Hard	---	---	Moderate-----	Moderate-----	Low.
1372*: Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
Old Camp-----	10-20	Hard	---	---	Moderate-----	High-----	Low.
1373*: Theon-----	8-14	Hard	---	---	Low-----	High-----	Low.
Trocken-----	>60	---	---	---	Low-----	High-----	High.
Singatse-----	4-10	Hard	---	---	Low-----	High-----	Low.
1392*: Ninemile-----	10-20	Hard	---	---	Low-----	Moderate-----	Low.
Newlands-----	40-60	Hard	---	---	Moderate-----	Moderate-----	Low.
1401*: Dedmount-----	>60	---	---	---	High-----	High-----	High.
Umberland-----	>60	---	---	---	High-----	High-----	High.
1410----- Juva	>60	---	---	---	Low-----	High-----	Moderate.
1420*: Perwaso, occasionally flooded-----	>60	---	---	---	Low-----	High-----	Moderate.
Perwaso, rarely flooded	>60	---	---	---	Low-----	High-----	Moderate.
1430*: Slaw, rarely flooded---	>60	---	---	---	Low-----	High-----	High.
Slaw, occasionally flooded-----	>60	---	---	---	Moderate-----	High-----	High.
1440----- Umberland	>60	---	---	---	High-----	High-----	High.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
1442*: Umberland-----	>60	---	---	---	High-----	High-----	High.
Benin-----	>60	---	---	---	Low-----	High-----	High.
1443*: Umberland silt loam---	>60	---	---	---	High-----	High-----	High.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
Umberland, ponded-----	>60	---	---	---	High-----	High-----	High.
1444----- Umberland	>60	---	---	---	High-----	High-----	High.
1445*: Umberland-----	>60	---	---	---	High-----	High-----	High.
Playas-----	>60	---	---	---	---	High-----	High.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
1446*: Umberland, ponded-----	>60	---	---	---	High-----	High-----	High.
Umberland, unponded-----	>60	---	---	---	High-----	High-----	High.
1447*: Dedmount-----	>60	---	---	---	High-----	High-----	High.
Umberland, unponded-----	>60	---	---	---	High-----	High-----	High.
Umberland, ponded-----	>60	---	---	---	High-----	High-----	High.
1460*: Chalco-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
Chalco, dry-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
1461*: Chalco very gravelly clay loam-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
Chalco very gravelly loam-----	10-20	Soft	---	---	Low-----	Moderate-----	Low.
Pickup-----	20-40	Hard	---	---	Low-----	High-----	Low.
1470*: Squawval-----	20-40	Soft	---	---	Moderate-----	Moderate-----	Low.
Hutchley-----	10-20	Hard	---	---	Moderate-----	Moderate-----	Low.
Tosp-----	40-60	Hard	---	---	Moderate-----	Moderate-----	Moderate.
1480*: Eaglerock-----	20-40	Soft	---	---	Moderate-----	Moderate-----	Low.
Wagore-----	>60	---	---	---	Moderate-----	Moderate-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
	In		In				
1490*: Berit-----	4-14	Soft	---	---	Moderate-----	Moderate-----	Low.
Deanran-----	7-14	Soft	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
1491*: Berit-----	4-14	Soft	---	---	Moderate-----	Moderate-----	Low.
Noslo-----	20-40	Soft	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
1500*: Hastee-----	40-60	Soft	---	---	Low-----	Moderate-----	Low.
Granipeak-----	40-60	Soft	---	---	Moderate-----	Moderate-----	Low.
Rock outcrop.							
1510----- Greenbrae	>60	---	---	---	Moderate-----	Moderate-----	Moderate.
1520*: Kaffur-----	4-10	Soft	---	---	Moderate-----	High-----	Low.
Slocave-----	4-14	Soft	---	---	Low-----	High-----	Low.
Rock outcrop.							
1530*: Coppereid, eroded-----	5-10	Soft	---	---	Moderate-----	High-----	Low.
Coppereid, uneroded-----	5-10	Soft	---	---	Moderate-----	High-----	Low.
Kreza-----	4-10	Hard	---	---	Moderate-----	High-----	Low.
1540*: Foxcan-----	4-10	Soft	---	---	Moderate-----	High-----	Low.
Sojur-----	4-10	Hard	---	---	Low-----	High-----	Low.
Rock outcrop.							
1550*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Ister-----	20-40	Hard	---	---	Moderate-----	Moderate-----	Low.
1552*: Wylo-----	14-20	Hard	---	---	Low-----	Moderate-----	Low.
Bucklake-----	20-40	Hard	---	---	Low-----	Moderate-----	Low.
1560*: Manogue-----	40-60	Soft	---	---	Low-----	High-----	Low.
Ceejay-----	14-20	Hard	---	---	Low-----	High-----	Low.

See footnote at end of table.

TABLE 10.--SOIL FEATURES--Continued

Soil name and map symbol	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Hardness		Uncoated steel	Concrete
1570----- Espil	>60	---	8-14	Thick	Low-----	Moderate-----	Low.
1580*: Trocken-----	>60	---	---	---	Low-----	High-----	Low.
Ganaflan-----	20-40	Soft	---	---	Low-----	High-----	Moderate.
Bluewing-----	>60	---	---	---	Low-----	High-----	Low.
1581*: Trocken-----	>60	---	---	---	Low-----	High-----	High.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
1590*: Typic Torriorthents---	>60	---	---	---	Low-----	High-----	Low.
Ragtown-----	>60	---	---	---	Low-----	High-----	High.
1600----- Dithod	>60	---	---	---	Moderate-----	High-----	Low.
1601*: Dithod-----	>60	---	---	---	Moderate-----	High-----	Low.
Fluvaquents-----	>60	---	---	---	High-----	High-----	Low.
1620*: Mazuma, 4 to 8 percent slopes-----	>60	---	---	---	Low-----	High-----	High.
Mazuma, 0 to 4 percent slopes-----	>60	---	---	---	Low-----	High-----	High.
Hawsley-----	>60	---	---	---	Low-----	High-----	Low.
1621*: Mazuma fine sandy loam-	>60	---	---	---	Low-----	High-----	High.
Mazuma loam, clayey substratum-----	>60	---	---	---	Low-----	High-----	High.
1630*: Veta-----	>60	---	---	---	Moderate-----	High-----	Low.
Mazuma-----	>60	---	---	---	Low-----	High-----	High.
Mazuma, moderately saline-----	>60	---	---	---	Low-----	High-----	High.

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

TABLE 11.--CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Aquic Torriorthents-----	Aquic Torriorthents
Arclay-----	Loamy, mixed, mesic, shallow Aridic Argixerolls
Arzo-----	Fine, montmorillonitic, mesic Aridic Calcic Argixerolls
Barnard-----	Fine, montmorillonitic, mesic Aridic Durixerolls
Benin-----	Fine, montmorillonitic (calcareous), mesic Typic Torriorthents
Berit-----	Loamy-skeletal, mixed, mesic, shallow Xerollic Haplargids
Bluewing-----	Sandy-skeletal, mixed, mesic Typic Torriorthents
Bombadil-----	Loamy, mixed, mesic Lithic Xerollic Haplargids
Boulder Lake-----	Fine, montmorillonitic, frigid Aquic Chromoxererts
Brubeck-----	Fine, montmorillonitic, mesic Entic Chromoxererts
Bucklake-----	Fine, montmorillonitic, mesic Aridic Argixerolls
Buffaran-----	Clayey, montmorillonitic, mesic, shallow Xerollic Durargids
Burnborough-----	Loamy-skeletal, mixed, frigid Aridic Argixerolls
Ceejay-----	Clayey, montmorillonitic, mesic Lithic Xerollic Haplargids
Cewat-----	Loamy-skeletal, mixed, mesic Xerollic Camborthids
Chalco-----	Clayey, montmorillonitic, mesic, shallow Xerollic Haplargids
Chappuis-----	Fine, montmorillonitic, mesic Xerollic Natrargids
Chill-----	Loamy, mixed, mesic, shallow Xerollic Haplargids
Chuckles-----	Fine-silty, mixed, mesic Typic Camborthids
Churchill-----	Fine, montmorillonitic, mesic Typic Natrargids
Cleaver-----	Loamy, mixed, mesic, shallow Typic Durargids
Coppereid-----	Loamy, mixed (calcareous), mesic, shallow Xeric Torriorthents
Corral-----	Loamy, mixed, mesic, shallow Xerollic Haplargids
Davey-----	Sandy, mixed, mesic Xerollic Camborthids
Deadyon-----	Coarse-loamy, mixed, mesic Xerollic Haplargids
Deanran-----	Loamy-skeletal, mixed, frigid, shallow Aridic Argixerolls
Dedmount-----	Fine, montmorillonitic (calcareous), mesic Aquic Torriorthents
Devada-----	Clayey, montmorillonitic, mesic Lithic Argixerolls
Dithod-----	Fine-loamy, mixed, mesic Fluvaquentic Haploxerolls
Dorper-----	Fine, montmorillonitic, mesic Duric Natrargids
Dosie-----	Clayey-skeletal, montmorillonitic, mesic Pachic Argixerolls
Dun Glen-----	Coarse-loamy, mixed, mesic Typic Camborthids
Eaglerock-----	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Espil-----	Loamy, mixed, frigid, shallow Aridic Durixerolls
Fireball-----	Loamy-skeletal, mixed, mesic Typic Haplargids
Fluvaquents-----	Fluvaquents
Foxcan-----	Loamy, mixed (calcareous), mesic, shallow Xeric Torriorthents
Fulstone-----	Clayey, montmorillonitic, mesic, shallow Abruptic Xerollic Durargids
Galeppi-----	Fine-loamy, mixed, mesic Durargidic Argixerolls
Ganaflan-----	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
Gitakup-----	Fine-silty, mixed, mesic Natric Camborthids
Glenbrook-----	Mixed, mesic, shallow Xeric Torrripsamments
Granipeak-----	Loamy-skeletal, mixed, frigid Aridic Argixerolls
Graufels-----	Sandy, mixed, mesic Torrripsammentic Haploxerolls
Greenbrae-----	Fine-loamy, mixed, mesic Xerollic Haplargids
Hart Camp-----	Loamy, mixed, frigid, shallow Aridic Argixerolls
Hastee-----	Sandy-skeletal, mixed Pachic Cryoborolls
Hawsley-----	Mixed, mesic Typic Torrripsamments
Haybourne-----	Coarse-loamy, mixed, mesic Xerollic Camborthids
Hefed-----	Loamy-skeletal, mixed, mesic Xerollic Haplargids
Home Camp-----	Clayey-skeletal, montmorillonitic Argic Cryoborolls
Hooplite-----	Loamy-skeletal, mixed, mesic Lithic Xerollic Haplargids
Horsecamp-----	Fine, montmorillonitic, mesic Entic Chromoxererts
Hutchley-----	Loamy-skeletal, mixed, frigid Lithic Argixerolls
Incy-----	Mixed, mesic Xeric Torrripsamments
Indiano-----	Fine-loamy, mixed, mesic Aridic Argixerolls
Isolde-----	Mixed, mesic Typic Torrripsamments
Ister-----	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Jaybee-----	Loamy, mixed, mesic Lithic Xerollic Haplargids
Jerval-----	Fine-loamy, mixed, mesic Duric Natrargids
Juva-----	Coarse-loamy, mixed (calcareous), mesic Typic Torrifluvents
Kaffur-----	Loamy-skeletal, mixed (calcareous), mesic, shallow Xeric Torriorthents
Kayo-----	Loamy-skeletal, mixed, mesic Xeralfic Haplargids
Kreza-----	Loamy, mixed, mesic Lithic Xerollic Haplargids

TABLE 11.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Kumiva-----	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
Labkey-----	Sandy-skeletal, mixed, mesic Typic Camborthids
Langston-----	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Xerollic Haplargids
Leviathan-----	Loamy-skeletal, mixed, mesic Aridic Argixerolls
Mahala-----	Fine, montmorillonitic, mesic Xerollic Paleargids
Manogue-----	Fine, montmorillonitic, mesic Entic Chromoxererts
Mastly-----	Coarse-loamy, mixed (calcareous), mesic Durorthidic Xeric Torrifluvents
Mazuma-----	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
Mottsville-----	Sandy, mixed, mesic Torripsammentic Haploxerolls
Newlands-----	Fine-loamy, mixed Argic Cryoborolls
Ninemile-----	Clayey, montmorillonitic, frigid Lithic Argixerolls
Noslo-----	Fine-loamy, mixed, mesic Aridic Argixerolls
Old Camp-----	Loamy-skeletal, mixed, mesic Lithic Xerollic Haplargids
Oppio-----	Fine, montmorillonitic, mesic Xerollic Haplargids
Osobb-----	Loamy-skeletal, mixed, mesic, shallow Typic Durorthids
Perwaso-----	Fine-loamy over sandy or sandy-skeletal, mixed (calcareous), mesic Typic Torrifluvents
Phing-----	Fine, montmorillonitic, mesic Xerollic Paleargids
Phliss-----	Loamy-skeletal, mixed, mesic Lithic Xerollic Haplargids
Pickup-----	Clayey-skeletal, montmorillonitic, mesic Aridic Argixerolls
Frunie-----	Fine, montmorillonitic, frigid Aridic Argixerolls
Ragtown-----	Fine, montmorillonitic (calcareous), mesic Typic Torriorthents
Reywat-----	Loamy-skeletal, mixed, mesic Lithic Argixerolls
Rezave-----	Clayey, montmorillonitic, mesic Lithic Natrargids
Ruhe-----	Mixed, mesic, shallow Typic Torripsamments
Shawave-----	Fine-loamy, mixed, mesic Xerollic Haplargids
Singatse-----	Loamy-skeletal, mixed (calcareous), mesic Lithic Torriorthents
Skedaddle-----	Loamy-skeletal, mixed, nonacid, mesic Lithic Xeric Torriorthents
Slaw-----	Fine-silty, mixed (calcareous), mesic Typic Torrifluvents
Slocave-----	Loamy-skeletal, mixed (calcareous), mesic, shallow Typic Torriorthents
Smaug-----	Coarse-silty, mixed (calcareous), mesic Typic Torriorthents
Softscrabble-----	Loamy-skeletal, mixed, frigid Pachic Argixerolls
Sojur-----	Loamy-skeletal, mixed (calcareous), mesic Lithic Torriorthents
Springmeyer-----	Fine-loamy, mixed, mesic Aridic Argixerolls
Squawval-----	Fine-loamy, mixed Argic Pachic Cryoborolls
Sumine-----	Loamy-skeletal, mixed, frigid Aridic Argixerolls
Swingler-----	Fine-silty, mixed (calcareous), mesic Typic Torriorthents
Terca-----	Loamy, mixed, mesic Lithic Argixerolls
Theon-----	Loamy-skeletal, mixed, mesic Lithic Haplargids
Thulepah-----	Fine-loamy, mixed Argic Pachic Cryoborolls
Tosp-----	Coarse-loamy, mixed Pachic Cryoborolls
Toulon-----	Sandy-skeletal, mixed, mesic Typic Camborthids
Tresed-----	Clayey over loamy, montmorillonitic (calcareous), mesic Typic Torriorthents
Trocken-----	Loamy-skeletal, mixed (calcareous), mesic Typic Torriorthents
Truckee-----	Fine-loamy, mixed, mesic Fluvaquentic Haploxerolls
Tunnison-----	Very fine, montmorillonitic, mesic Entic Chromoxererts
Typic Torriorthents-----	Typic Torriorthents
Umberland-----	Fine, montmorillonitic (calcareous), mesic Aeric Halaquepts
Verdico-----	Fine, montmorillonitic, mesic Xerollic Paleargids
Veta-----	Loamy-skeletal, mixed, mesic Xerollic Camborthids
Voltaire-----	Fine-loamy, mixed (calcareous), mesic Fluvaquentic Haplaquolls
Wagore-----	Coarse-loamy, mixed, frigid Pachic Haploxerolls
Wylo-----	Clayey, montmorillonitic, mesic Lithic Argixerolls
Xeric Torriorthents-----	Xeric Torriorthents
Zorravista-----	Mixed, mesic Xeric Torripsamments

Rangeland Plants and Woodland Understory

120-Home Camp-Newlands association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Home Camp	Newlands	1	2	3	4
Idaho fescue	FEID	30-40	30-40	10-20	30-40	---	---
Bluebunch wheatgrass	AGSP	15-35	15-35	---	20-30	---	---
Bluegrass	POA++	2-8	2-8	5-15	2-8	---	---
Basin wildrye	ELCI2	5-15	5-15	---	2-5	---	---
Thurber needlegrass	STTH2	2-8	2-8	---	2-5	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	40-50
Creeping wildrye	ELTR3	---	---	---	---	---	2-5
Sedge	CAREX	---	---	---	---	---	5-15
Mat muhly	MURI	---	---	---	---	---	2-5
Meadow barley	HOB2	---	---	---	---	---	2-5
Slender wheatgrass	AGTR	---	---	---	---	---	2-5
Rush	JUNCU	---	---	---	---	---	2-5
Goldenweed	HAPLO2	---	---	2-5	---	---	---
Mountain big sagebrush	ARVA2	10-20	10-20	---	---	---	---
Antelope bitterbrush	PUTR2	2-10	2-10	---	---	---	---
Douglas rabbitbrush	CHVI8	---	---	2-5	---	---	---
Low sagebrush	ARAR8	---	---	35-45	10-20	---	---

Range site number	023XY007NV	023XY007NV	023XY008NV	023XY017NV	None	023XY013NV
Potential production (lb/acre):						
Favorable years	1,600	1,600	400	900	---	2,200
Normal years	1,200	1,200	250	700	---	1,700
Unfavorable years	900	900	200	500	---	1,300

131-Devada-Hart Camp-Tunnison association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Devada	Hart Camp	Tunnison	1	2	3
Bluebunch wheatgrass	AGSP	20-50	20-35	---	---	15-35	---
Thurber needlegrass	STTH2	10-20	---	5-10	---	2-8	---
Bluegrass	POA++	5-10	5-10	---	---	2-8	---
Idaho fescue	FEID	---	5-10	---	---	30-40	---
Basin wildrye	ELCI2	---	5-10	---	---	5-15	---
Needlegrass	STIPA	---	2-10	---	---	---	---
Sandberg bluegrass	POSE	---	---	20-30	5-10	---	---
Bottlebrush squirreltail	SIHY	---	---	2-5	10-20	---	---
Mountain brome	BRCA5	---	---	---	1-3	---	---
Canby bluegrass	POCA	---	---	---	1-3	---	---
Lupine	LUPIN	---	---	---	1-3	---	---
Eriogonum	ERIOG	---	---	---	1-5	---	---
Low sagebrush	ARAR8	10-20	---	35-50	2-10	---	---
Antelope bitterbrush	PUTR2	---	15-25	---	---	2-10	---
Mountain big sagebrush	ARVA2	---	5-15	---	---	10-20	---
Rabbitbrush	CHRY9	---	---	2-8	---	---	---
Rubber rabbitbrush	CHNA2	---	---	---	30-50	---	---
Range site number		023XY031NV	023XY015NV	023XY044NV	023XY001NV	023XY007NV	None
Potential production (lb/acre):							
Favorable years		900	1,500	450	350	1,600	---
Normal years		700	1,200	300	225	1,200	---
Unfavorable years		500	900	200	150	900	---

133-Devada-Tunnison-Softscrabble association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Devada	Tunnison	Softscrabble	1	2	3	4
Bluebunch wheatgrass	AGSP	20-50	---	20-40	---	---	20-35	---
Thurber needlegrass	STTH2	10-20	5-10	2-5	---	1-5	---	---
Bluegrass	POA++	5-10	---	---	---	1-5	5-10	---
Sandberg bluegrass	POSE	---	20-30	---	30-45	---	---	---
Bottlebrush squirreltail	SIHY	---	2-5	---	---	1-5	---	---
Basin wildrye	ELCI2	---	---	10-20	---	---	5-10	---
Canby bluegrass	POCA	---	---	2-5	---	---	---	---
Webber ricegrass	STWE	---	---	---	2-5	1-5	---	---
Idaho fescue	FEID	---	---	---	---	---	5-10	---
Needlegrass	STIPA	---	---	---	---	---	2-10	---
Hooker balsamroot	BAHO	---	---	---	---	1-5	---	---
Low sagebrush	ARAR8	10-20	35-50	---	30-45	1-5	---	---
Rabbitbrush	CHRY9	---	2-8	---	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	5-15	---	---	5-15	---
Antelope bitterbrush	PUTR2	---	---	2-10	---	1-5	15-25	---
Purple sage	SADOC2	---	---	---	---	1-5	---	---
Utah juniper	JUOS	---	---	---	---	1-5	---	---

Range site number	023XY031NV	023XY044NV	023XY041NV	023XY021NV	023XY035NV	023XY015NV	None
Potential production (lb/acre):							
Favorable years	900	450	1,400	300	450	1,500	---
Normal years	700	300	1,200	200	350	1,200	---
Unfavorable years	500	200	900	150	250	900	---

134-Devada-Dosie-Softscrabble association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Devada	Dosie	Softscrabble	1	2	3	4
Bluebunch wheatgrass	AGSP	20-50	50-70	20-40	---	---	---	---
Thurber needlegrass	STTH2	10-20	5-10	2-5	---	1-5	5-10	---
Bluegrass	POA++	5-10	---	---	---	1-5	---	---
Basin wildrye	ELCI2	---	2-10	10-20	---	---	---	---
Canby bluegrass	POCA	---	---	2-5	---	---	---	---
Sandberg bluegrass	POSE	---	---	---	30-45	---	20-30	---
Webber ricegrass	STWE	---	---	---	2-5	1-5	---	---
Bottlebrush squirreltail	SIHY	---	---	---	---	1-5	2-5	---
Hooker balsamroot	BAHO	---	---	---	---	1-5	---	---
Low sagebrush	ARAR8	10-20	---	---	30-45	1-5	35-50	---
Mountain big sagebrush	ARVA2	---	5-15	5-15	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	2-10	---	1-5	---	---
Purple sage	SADOC2	---	---	---	---	1-5	---	---
Rabbitbrush	CHRY9	---	---	---	---	---	2-8	---
Utah juniper	JUOS	---	---	---	---	1-5	---	---

Range site number	023XY031NV	023XY016NV	023XY041NV	023XY021NV	023XY035NV	023XY044NV	None
Potential production (lb/acre):							
Favorable years	900	1,500	1,400	300	450	450	---
Normal years	700	1,100	1,200	200	350	300	---
Unfavorable years	500	800	900	150	250	200	---

135-Devada-Hart Camp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Devada	Hart Camp	1	2	3	4
Bluebunch wheatgrass	AGSP	20-50	20-35	---	---	15-35	---
Thurber needlegrass	STTH2	10-20	---	1-5	---	2-8	1-5
Bluegrass	POA++	5-10	5-10	1-5	---	2-8	1-5
Idaho fescue	FEID	---	5-10	---	---	30-40	---
Basin wildrye	ELCI2	---	5-10	---	---	5-15	---
Needlegrass	STIPA	---	2-10	---	---	---	---
Bottlebrush squirreltail	SIHY	---	---	1-5	---	---	1-5
Webber ricegrass	STWE	---	---	1-5	2-5	---	1-5
Sandberg bluegrass	POSE	---	---	---	30-45	---	---
Hooker balsamroot	BAHO	---	---	1-5	---	---	1-5
Low sagebrush	ARAR8	10-20	---	1-5	30-45	---	1-5
Antelope bitterbrush	PUTR2	---	15-25	1-5	---	2-10	1-5
Mountain big sagebrush	ARVA2	---	5-15	---	---	10-20	---
Purple sage	SADOC2	---	---	1-5	---	---	1-5
Utah juniper	JUOS	---	---	1-5	---	---	1-5

Range site number	023XY031NV	023XY015NV	023XY035NV	023XY021NV	023XY007NV	023XY035NV
Potential production (lb/acre):						
Favorable years	900	1,500	450	300	1,600	450
Normal years	700	1,200	350	200	1,200	350
Unfavorable years	500	900	250	150	900	250

136-Devada-Tunnison association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Devada	Tunnison	1	2	3	4
Bluebunch wheatgrass	AGSP	20-50	---	20-50	---	---	---
Thurber needlegrass	STTH2	10-20	5-10	10-20	---	---	---
Bluegrass	POA++	5-10	---	5-10	---	---	---
Sandberg bluegrass	POSE	---	20-30	---	---	30-45	5-10
Bottlebrush squirreltail	SIHY	---	2-5	---	---	---	10-20
Webber ricegrass	STWE	---	---	---	---	2-5	---
Mountain brome	BRCA5	---	---	---	---	---	1-3
Canby bluegrass	POCA	---	---	---	---	---	1-3
Lupine	LUPIN	---	---	---	---	---	1-3
Eriogonum	ERIOG	---	---	---	---	---	1-5
Low sagebrush	ARAR8	10-20	35-50	10-20	---	30-45	2-10
Rabbitbrush	CHRY9	---	2-8	---	---	---	---
Rubber rabbitbrush	CHNA2	---	---	---	---	---	30-50

Range site number	023XY031NV	023XY044NV	023XY031NV	None	023XY021NV	023XY001NV
Potential production (lb/acre):						
Favorable years	900	450	900	---	300	350
Normal years	700	300	700	---	200	225
Unfavorable years	500	200	500	---	150	150

137-Devada-Tunnison-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Devada	Tunnison	Rock outcrop	1	2	3
Bluebunch wheatgrass	AGSP	20-50	---	---	---	20-50	---
Thurber needlegrass	STTH2	10-20	5-10	---	---	10-20	---
Bluegrass	POA++	5-10	---	---	---	5-10	---
Sandberg bluegrass	POSE	---	20-30	---	30-45	---	5-10
Bottlebrush squirreltail	SIHY	---	2-5	---	---	---	10-20
Webber ricegrass	STWE	---	---	---	2-5	---	---
Mountain brome	BRCA5	---	---	---	---	---	1-3
Canby bluegrass	POCA	---	---	---	---	---	1-3
Lupine	LUPIN	---	---	---	---	---	1-3
Eriogonum	ERIOG	---	---	---	---	---	1-5
Low sagebrush	ARAR8	10-20	35-50	---	30-45	10-20	2-10
Rabbitbrush	CHRS9	---	2-8	---	---	---	---
Rubber rabbitbrush	CHNA2	---	---	---	---	---	30-50

Range site number	023XY031NV	023XY044NV	None	023XY021NV	023XY031NV	023XY001NV
Potential production (lb/acre):						
Favorable years	900	450	---	300	900	350
Normal years	700	300	---	200	700	225
Unfavorable years	500	200	---	150	500	150

138-Devada-Reywat-Tunnison association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Devada	Reywat	Tunnison	1	2	3	4
Bluebunch wheatgrass	AGSP	20-50	40-60	---	---	---	40-60	---
Thurber needlegrass	STTH2	10-20	10-20	5-10	---	---	10-20	---
Bluegrass	POA++	5-10	---	---	---	---	---	---
Basin wildrye	ELCI2	---	2-10	---	---	---	2-10	65-75
Sandberg bluegrass	POSE	---	---	20-30	---	30-45	---	---
Bottlebrush squirreltail	SIHY	---	---	2-5	---	---	---	---
Webber ricegrass	STWE	---	---	---	---	2-5	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	2-8
Low sagebrush	ARAR8	10-20	---	35-50	---	30-45	---	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	2-5	---
Big sagebrush	ARTR2	---	10-20	---	---	---	10-20	---
Rabbitbrush	CHRY9	---	---	2-8	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	---	1-3

Range site number	023XY031NV	023XY039NV	023XY044NV	None	023XY021NV	023XY039NV	023XY009NV
Potential production (lb/acre):							
Favorable years	900	900	450	---	300	900	5,500
Normal years	700	700	300	---	200	700	4,500
Unfavorable years	500	500	200	---	150	500	2,500

150-Skedaddle-Old Camp-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Skedaddle	Old Camp	Rock outcrop	1	2	3	4
Desert needlegrass	STSP3	15-25	15-25	---	---	2-10	---	---
Indian ricegrass	ORHY	2-8	---	---	---	2-8	5-15	5-15
Bluebunch wheatgrass	AGSP	5-15	---	---	40-60	---	---	---
Bottlebrush squirreltail	SIHY	---	5-10	---	---	2-8	---	---
Thurber needlegrass	STTH2	---	2-5	---	5-15	2-5	20-40	20-40
Bluegrass	POA++	---	---	---	2-8	---	---	---
Sandberg bluegrass	POSE	---	---	---	---	0-15	2-5	2-5
Webber ricegrass	STWE	---	---	---	---	---	2-8	2-8
Basin wildrye	ELCI2	---	---	---	---	---	2-5	2-5
Hooker balsamroot	BAHO	---	---	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---	---	---
Purple sage	SADOC2	10-20	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	5-15	15-20	---	---	---	15-25	15-25
Ephedra	EPHED	2-8	---	---	---	---	---	---
Green ephedra	EPVI	---	5-15	---	---	---	---	---
Spiny hopsage	GRSP	---	2-5	---	---	---	2-5	2-5
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Sagebrush	ARTEM	---	---	---	10-20	30-45	---	---

Range site number	023XY030NV	026XY022NV	None	023XY037NV	023XY047NV	023XY006NV	023XY006NV
Potential production (lb/acre):							
Favorable years	500	600	---	700	500	800	800
Normal years	300	450	---	600	350	600	600
Unfavorable years	150	300	---	400	200	400	400

151-Skedaddle-Jaybee-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Skedaddle	Jaybee	Rock outcrop	1	2	3
Desert needlegrass	STSP3	15-25	2-10	---	---	15-25	2-10
Indian ricegrass	ORHY	2-8	2-8	---	---	---	2-8
Bluebunch wheatgrass	AGSP	5-15	---	---	40-60	---	---
Sandberg bluegrass	POSE	---	10-15	---	---	---	10-15
Bottlebrush squirreltail	SIHY	---	2-8	---	---	5-10	2-8
Thurber needlegrass	STTH2	---	2-5	---	5-15	2-5	2-5
Bluegrass	POA++	---	---	---	2-8	---	---
Hooker balsamroot	BAHO	---	---	---	2-5	---	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---	---
Purple sage	SADOC2	10-20	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	5-15	---	---	---	15-20	---
Ephedra	EPHED	2-8	---	---	---	---	---
Sagebrush	ARTEM	---	30-45	---	10-20	---	30-45
Green ephedra	EPVI	---	---	---	---	5-15	---
Spiny hopsage	GRSP	---	---	---	---	2-5	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5	---

Range site number	023XY030NV	023XY047NV	None	023XY037NV	026XY022NV	023XY047NV
Potential production (lb/acre):						
Favorable years	500	500	---	700	600	500
Normal years	300	350	---	600	450	350
Unfavorable years	150	200	---	400	300	200

160-Dun Glen-Davey-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Dun Glen	Davey	Hawsley	1	2	3	4
Needleandthread	STCO4	1-3	20-30	5-15	---	5-15	---	---
Bottlebrush squirreltail	SIHY	5-15	---	---	5-10	2-5	---	2-10
Indian ricegrass	ORHY	5-15	10-20	50-70	---	30-40	---	10-20
Sandberg bluegrass	POSE	2-5	---	---	---	---	---	---
Thickspike wheatgrass	AGDA	---	2-5	---	---	---	---	---
Basin wildrye	ELCI2	---	2-8	---	---	2-5	---	---
Winterfat	EULA5	2-5	---	2-5	---	---	---	60-70
Shadscale	ATCO	30-40	---	---	30-50	---	---	---
Bud sagebrush	ARSP5	20-30	---	---	5-15	---	---	2-5
Spiny hopsage	GRSP	2-5	2-5	1-5	---	5-10	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---	---
Nevada dalea	PSPO	---	---	1-5	---	---	---	---
Fourwing saltbush	ATCA2	---	---	10-20	---	2-8	---	---
Black greasewood	SAVE4	---	---	---	15-30	---	---	---
Seepweed	SUAED	---	---	---	2-15	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	10-25	---	---

Range site number	024XY002NV	023XY051NV	027XY009NV	024XY003NV	023XY011NV	None	024XY004NV
Potential production (lb/acre):							
Favorable years	750	900	800	600	800	---	500
Normal years	450	700	500	450	600	---	350
Unfavorable years	300	500	350	300	300	---	200

170-Zorravista-Davey association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Zorravista	Davey	1	2	3
Indian ricegrass	ORHY	30-40	10-20	5-15	10-20	10-15
Basin wildrye	ELCI2	2-5	2-8	---	2-8	---
Needleandthread	STCO4	5-15	20-30	1-3	20-30	---
Bottlebrush squirreltail	SIHY	2-5	---	5-15	---	2-5
Thickspike wheatgrass	AGDA	---	2-5	---	2-5	---
Sandberg bluegrass	POSE	---	---	2-5	---	---
Webber ricegrass	STWE	---	---	---	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	2-8
Desert needlegrass	STSP3	---	---	---	---	10-15
Basin big sagebrush	ARTRT*	10-25	---	---	---	---
Spiny hopsage	GRSP	5-10	2-5	2-5	2-5	10-25
Fourwing saltbush	ATCA2	2-8	---	---	---	---
Big sagebrush	ARTR2	---	10-20	---	10-20	---
Winterfat	EULA5	---	---	2-5	---	---
Shadscale	ATCO	---	---	30-40	---	---
Bud sagebrush	ARSP5	---	---	20-30	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	20-30

Range site number	023XY011NV	023XY051NV	024XY002NV	023XY051NV	023XY038NV
Potential production (lb/acre):					
Favorable years	800	900	750	900	600
Normal years	600	700	450	700	450
Unfavorable years	300	500	300	500	300

171-Zorravista sand, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Zorravista	1	2	3
Indian ricegrass	ORHY	30-40	10-15	10-20	15-20
Basin wildrye	ELCI2	2-5	---	---	---
Needleandthread	STCO4	5-15	---	---	15-20
Bottlebrush squirreltail	SIHY	2-5	5-10	2-10	5-10
Desert needlegrass	STSP3	---	20-40	---	---
Needlegrass	STIPA	---	---	---	5-15
Basin big sagebrush	ARTRT*	10-25	---	---	---
Spiny hopsage	GRSP	5-10	2-5	---	2-5
Fourwing saltbush	ATCA2	2-8	---	---	---
Wyoming big sagebrush	ARTRW*	---	10-20	---	---
Ephedra	EPHED	---	2-8	---	2-5
Winterfat	EULA5	---	---	60-70	---
Bud sagebrush	ARSP5	---	---	2-5	---
Anderson peachbrush	FRAN2	---	---	---	2-5
Big sagebrush	ARTR2	---	---	---	5-10

Range site number	023XY011NV	026XY016NV	024XY004NV	026XY020NV
Potential production (lb/acre):				
Favorable years	800	800	500	800
Normal years	600	600	350	600
Unfavorable years	300	400	200	400

172-Zorravista-Swingle association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Zorravista	Swingle	1	2	3	4
Indian ricegrass	ORHY	30-40	---	---	---	30-40	2-5
Basin wildrye	ELCI2	2-5	15-20	15-30	20-40	2-5	5-20
Needleandthread	STCO4	5-15	---	---	---	5-15	---
Bottlebrush squirreltail	SIHY	2-5	2-10	---	---	2-5	2-5
Inland saltgrass	DISPS2	---	2-10	---	---	---	---
Creeping wildrye	ELTR3	---	---	10-20	---	---	---
Globemallow	SPHAE	---	---	---	---	---	1-2
Thelypody	THELY	---	---	---	---	---	2-4
Basin big sagebrush	ARTRT*	10-25	---	5-15	2-10	10-25	---
Spiny hopsage	GRSP	5-10	---	2-5	---	5-10	5-15
Fourwing saltbush	ATCA2	2-8	---	---	---	2-8	---
Black greasewood	SAVE4	---	40-60	5-15	5-15	---	20-30
Shadscale	ATCO	---	---	2-5	---	---	---
Torrey quailbush	ATTO	---	---	---	30-50	---	---
Big sagebrush	ARTR2	---	---	---	---	---	10-25

Range site number	023XY011NV	024XY008NV	026XY012NV	024XY015NV	023XY011NV	024XY022NV
Potential production (lb/acre):						
Favorable years	800	800	1,200	1,500	800	800
Normal years	600	600	1,100	1,200	600	600
Unfavorable years	300	400	1,000	800	300	350

181-Tunnison-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Tunnison	Devada	1	2	3
Mountain brome	BRCA5	1-3	---	---	---	1-3
Bottlebrush squirreltail	SIHY	10-20	---	2-5	---	10-20
Sandberg bluegrass	POSE	5-10	---	20-30	---	5-10
Canby bluegrass	POCA	1-3	---	---	---	1-3
Bluebunch wheatgrass	AGSP	---	20-50	---	---	---
Thurber needlegrass	STTH2	---	10-20	5-10	---	---
Bluegrass	POA++	---	5-10	---	---	---
Lupine	LUPIN	1-3	---	---	---	1-3
Eriogonum	ERIOG	1-5	---	---	---	1-5
Low sagebrush	ARAR8	2-10	10-20	35-50	---	2-10
Rubber rabbitbrush	CHNA2	30-50	---	---	---	30-50
Rabbitbrush	CHRS9	---	---	2-8	---	---
Range site number		023XY001NV	023XY031NV	023XY044NV	None	023XY001NV
Potential production (lb/acre):						
Favorable years		350	900	450	---	350
Normal years		225	700	300	---	225
Unfavorable years		150	500	200	---	150

182-Tunnison-Rubble land association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Tunnison cobbly	Rubble land	Tunnison, very cobbly	1	2	3	4
Mountain brome	BRCAS	1-3	---	---	---	---	---	---
Bottlebrush squirreltail	SIHY	10-20	---	2-5	---	---	---	---
Sandberg bluegrass	POSE	5-10	---	20-30	---	---	30-45	---
Canby bluegrass	POCA	1-3	---	---	---	---	---	---
Thurber needlegrass	STTH2	---	---	5-10	2-8	10-20	---	5-10
Idaho fescue	FEID	---	---	---	30-40	---	---	---
Bluebunch wheatgrass	AGSP	---	---	---	15-35	40-60	---	50-70
Bluegrass	POA++	---	---	---	2-8	---	---	---
Basin wildrye	ELCI2	---	---	---	5-15	2-10	---	2-10
Webber ricegrass	STWE	---	---	---	---	---	2-5	---
Lupine	LUPIN	1-3	---	---	---	---	---	---
Eriogonum	ERIOG	1-5	---	---	---	---	---	---
Low sagebrush	ARAR8	2-10	---	35-50	---	---	30-45	---
Rubber rabbitbrush	CHNA2	30-50	---	---	---	---	---	---
Rabbitbrush	CHRY9	---	---	2-8	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	10-20	---	---	5-15
Antelope bitterbrush	PUTR2	---	---	---	2-10	2-5	---	2-5
Big sagebrush	ARTR2	---	---	---	---	10-20	---	---

Range site number	023XY001NV	None	023XY044NV	023XY007NV	023XY039NV	023XY021NV	023XY016NV
Potential production (lb/acre):							
Favorable years	350	---	450	1,600	900	300	1,500
Normal years	225	---	300	1,200	700	200	1,100
Unfavorable years	150	---	200	900	500	150	800

183-Tunnison complex, 0 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Tunnison, very cobbly	Tunnison, cobbly	1	2	3
Thurber needlegrass	STTH2	5-10	---	---	---	10-20
Sandberg bluegrass	POSE	20-30	5-10	30-45	5-10	---
Bottlebrush squirreltail	SIHY	2-5	10-20	---	10-20	---
Mountain brome	BRCA5	---	1-3	---	1-3	---
Canby bluegrass	POCA	---	1-3	---	1-3	---
Webber ricegrass	STWE	---	---	2-5	---	---
Bluebunch wheatgrass	AGSP	---	---	---	---	20-50
Bluegrass	POA++	---	---	---	---	5-10
Lupine	LUPIN	---	1-3	---	1-3	---
Eriogonum	ERIOG	---	1-5	---	1-5	---
Rabbitbrush	CHRS9	2-8	---	---	---	---
Low sagebrush	ARAR8	35-50	2-10	30-45	2-10	10-20
Rubber rabbitbrush	CHNA2	---	30-50	---	30-50	---

Range site number	023XY044NV	023XY001NV	023XY021NV	023XY001NV	023XY031NV
Potential production (lb/acre):					
Favorable years	450	350	300	350	900
Normal years	300	225	200	225	700
Unfavorable years	200	150	150	150	500

190-Swangler complex, 2 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Swangler fine sandy loam	Swangler loamy sand	1	2
Bottlebrush squirreltail	SIHY	5-10	---	---	2-5
Needleandthread	STCO4	---	10-20	---	---
Basin wildrye	ELCI2	---	2-5	---	---
Indian ricegrass	ORHY	---	40-50	---	10-15
Inland saltgrass	DISPS2	---	---	5-10	---
Webber ricegrass	STWE	---	---	---	2-5
Thurber needlegrass	STTH2	---	---	---	2-8
Desert needlegrass	STSP3	---	---	---	10-15
Black greasewood	SAVE4	15-30	10-15	40-60	---
Shadscale	ATCO	30-50	---	2-10	---
Seepweed	SUAED	2-15	---	2-5	---
Bud sagebrush	ARSP5	5-15	---	---	---
Winterfat	EULAS	---	5-10	---	---
Dalea	DALEA	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	10-25

Range site number	024XY003NV	027XY012NV	027XY025NV	023XY038NV
Potential production (lb/acre):				
Favorable years	600	700	500	600
Normal years	450	450	350	450
Unfavorable years	300	200	200	300

193-Swangler-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Swangler	Ragtown	1	2	3	4
Bottlebrush squirreltail	SIHY	5-10	---	5-15	---	5-15	---
Inland saltgrass	DISPS2	---	5-10	---	---	---	---
Needleandthread	STCO4	---	---	1-3	---	1-3	5-15
Indian ricegrass	ORHY	---	---	5-15	---	5-15	50-70
Sandberg bluegrass	POSE	---	---	2-5	---	2-5	---
Black greasewood	SAVE4	15-30	40-60	---	---	---	---
Shadscale	ATCO	30-50	2-10	30-40	---	30-40	---
Seepweed	SUAED	2-15	2-5	---	---	---	---
Bud sagebrush	ARSP5	5-15	---	20-30	---	20-30	---
Winterfat	EULA5	---	---	2-5	---	2-5	2-5
Spiny hopsage	GRSP	---	---	2-5	---	2-5	1-5
Nevada dalea	PSPO	---	---	---	---	---	1-5
Fourwing saltbush	ATCA2	---	---	---	---	---	10-20
Range site number		024XY003NV	027XY025NV	024XY002NV	None	024XY002NV	027XY009NV
Potential production (lb/acre):							
Favorable years		600	500	750	---	750	800
Normal years		450	350	450	---	450	500
Unfavorable years		300	200	300	---	300	350

200-Churchill-Swangler association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Churchill	Swangler	1	2
Inland saltgrass	DISPS2	5-10	---	---	---
Bottlebrush squirreltail	SIHY	---	5-10	---	---
Needleandthread	STCO4	---	---	10-20	---
Basin wildrye	ELCI2	---	---	2-5	---
Indian ricegrass	ORHY	---	---	40-50	---
Seepweed	SUAED	2-5	2-15	---	---
Black greasewood	SAVE4	40-60	15-30	10-15	---
Shadscale	ATCO	2-10	30-50	---	---
Bud sagebrush	ARSP5	---	5-15	---	---
Winterfat	EULA5	---	---	5-10	---
Dalea	DALEA	---	---	2-5	---

Range site number	027XY025NV	024XY003NV	027XY012NV	None
Potential production (lb/acre):				
Favorable years	500	600	700	---
Normal years	350	450	450	---
Unfavorable years	200	300	200	---

210-Veta-Langston association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Veta	Langston	1	2	3	4
Webber ricegrass	STWE	2-5	2-5	---	2-5	---	---
Thurber needlegrass	STTH2	2-8	2-8	---	2-8	---	---
Indian ricegrass	ORHY	10-15	10-15	5-15	10-15	10-20	5-15
Desert needlegrass	STSP3	10-15	10-15	---	10-15	---	---
Bottlebrush squirreltail	SIHY	2-5	2-5	5-15	2-5	2-10	5-15
Needleandthread	STCO4	---	---	1-3	---	---	1-3
Sandberg bluegrass	POSE	---	---	2-5	---	---	2-5
Wyoming big sagebrush	ARTRW*	20-30	20-30	---	20-30	---	---
Spiny hopsage	GRSP	10-25	10-25	2-5	10-25	---	2-5
Winterfat	EULA5	---	---	2-5	---	60-70	2-5
Shadscale	ATCO	---	---	30-40	---	---	30-40
Bud sagebrush	ARSP5	---	---	20-30	---	2-5	20-30
Range site number		023XY038NV	023XY038NV	024XY002NV	023XY038NV	024XY004NV	024XY002NV
Potential production (lb/acre):							
Favorable years		600	600	750	600	500	750
Normal years		450	450	450	450	350	450
Unfavorable years		300	300	300	300	200	300

212-Veta-Trocken association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Veta	Trocken	1	2
Webber ricegrass	STWE	2-5	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---
Indian ricegrass	ORHY	10-15	5-15	5-15	5-15
Desert needlegrass	STSP3	10-15	---	---	---
Bottlebrush squirreltail	SIHY	2-5	5-15	5-15	5-15
Needleandthread	STCO4	---	1-3	1-3	1-3
Sandberg bluegrass	POSE	---	2-5	2-5	2-5
Wyoming big sagebrush	ARTRW*	20-30	---	---	---
Spiny hopsage	GRSP	10-25	2-5	2-5	2-5
Winterfat	EULA5	---	2-5	2-5	2-5
Shadscale	ATCO	---	30-40	30-40	30-40
Bud sagebrush	ARSP5	---	20-30	20-30	20-30

Range site number	023XY038NV	024XY002NV	024XY002NV	024XY002NV
Potential production (lb/acre):				
Favorable years	600	750	750	750
Normal years	450	450	450	450
Unfavorable years	300	300	300	300

220-Cewat very stony fine sandy loam, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Cewat	1	2	3
Webber ricegrass	STWE	2-5	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---
Indian ricegrass	ORHY	10-15	5-15	---	2-8
Desert needlegrass	STSP3	10-15	---	---	15-25
Bottlebrush squirreltail	SIHY	2-5	5-15	---	---
Needleandthread	STCO4	---	1-3	---	---
Sandberg bluegrass	POSE	---	2-5	---	---
Basin wildrye	ELCI2	---	---	40-60	---
Nevada bluegrass	PONE3	---	---	5-10	---
Bluebunch wheatgrass	AGSP	---	---	---	5-15
Thelypody	THELY	---	---	1-3	---
Povertyweed	IVAX	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	20-30	---	---	5-15
Spiny hopsage	GRSP	10-25	2-5	---	---
Winterfat	EULA5	---	2-5	---	---
Shadscale	ATCO	---	30-40	---	---
Bud sagebrush	ARSP5	---	20-30	---	---
Basin big sagebrush	ARTRT*	---	---	5-15	---
Purple sage	SADOC2	---	---	---	10-20
Ephedra	EPHED	---	---	---	2-8

Range site number	023XY038NV	024XY002NV	023XY005NV	023XY030NV
Potential production (lb/acre):				
Favorable years	600	750	3,000	500
Normal years	450	450	2,000	300
Unfavorable years	300	300	1,300	150

241-Benin complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Benin, rarely flooded	Benin, occasionally flooded	1	2	3	4
Basin wildrye	ELCI2	5-15	20-40	20-40	20-30	20-40	2-5
Inland saltgrass	DISPS2	5-10	---	---	2-5	---	---
Alkali sacaton	SPAI	---	---	---	2-10	---	---
Alkali cordgrass	SPGR	---	---	---	2-5	---	---
Alkali bluegrass	POJU	---	---	---	2-10	---	---
Indian ricegrass	ORHY	---	---	---	---	---	30-40
Needleandthread	STCO4	---	---	---	---	---	5-15
Bottlebrush squirreltail	SIHY	---	---	---	---	---	2-5
Black greasewood	SAVE4	60-75	5-15	5-15	---	5-15	---
Torrey quailbush	ATTO	---	30-50	30-50	---	30-50	---
Basin big sagebrush	ARTRT*	---	2-10	2-10	2-10	2-10	10-25
Silver buffaloberry	SHAR	---	---	---	15-30	---	---
Spiny hopsage	GRSP	---	---	---	---	---	5-10
Fourwing saltbush	ATCA2	---	---	---	---	---	2-8

Range site number	024XY011NV	024XY015NV	024XY015NV	024XY063NV	024XY015NV	023XY011NV
Potential production (lb/acre):						
Favorable years	500	1,500	1,500	1,800	1,500	800
Normal years	350	1,200	1,200	1,400	1,200	600
Unfavorable years	200	800	800	900	800	300

250-Old Camp-Reywat-Jaybee association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Old Camp	Reywat	Jaybee	1	2	3
Bottlebrush squirreltail	SIHY	5-10	---	2-8	---	---	---
Desert needlegrass	STSP3	15-25	---	2-10	---	---	---
Thurber needlegrass	STTH2	2-5	10-20	2-5	---	---	20-40
Bluebunch wheatgrass	AGSP	---	40-60	---	---	---	---
Basin wildrye	ELCI2	---	2-10	---	---	40-60	2-5
Indian ricegrass	ORHY	---	---	2-8	---	---	5-15
Sandberg bluegrass	POSE	---	---	10-15	---	---	2-5
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Webber ricegrass	STWE	---	---	---	---	---	2-8
Thelypody	THELY	---	---	---	---	1-3	---
Povertyweed	IVAX	---	---	---	---	2-5	---
Green ephedra	EPVI	5-15	---	---	---	---	---
Spiny hopsage	GRSP	2-5	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	15-20	---	---	---	---	15-25
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---
Sagebrush	ARTEM	---	---	30-45	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	5-15	---

Range site number	026XY022NV	023XY039NV	023XY047NV	None	023XY005NV	023XY006NV
Potential production (lb/acre):						
Favorable years	600	900	500	---	3,000	800
Normal years	450	700	350	---	2,000	600
Unfavorable years	300	500	200	---	1,300	400

251-Old Camp-Jaybee-Pickup association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Old Camp	Jaybee	Pickup	1	2	3
Bottlebrush squirreltail	SIHY	5-10	2-8	---	---	---	---
Desert needlegrass	STSP3	15-25	2-10	---	---	---	15-25
Thurber needlegrass	STTH2	2-5	2-5	5-15	---	10-20	---
Indian ricegrass	ORHY	---	2-8	---	---	---	2-8
Sandberg bluegrass	POSE	---	10-15	---	---	---	---
Bluebunch wheatgrass	AGSP	---	---	40-60	---	40-60	5-15
Bluegrass	POA++	---	---	2-8	---	---	---
Basin wildrye	ELCI2	---	---	---	---	2-10	---
Hooker balsamroot	BAHO	---	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	---	---	1-2	---	---	---
Green ephedra	EPVI	5-15	---	---	---	---	---
Spiny hopsage	GRSP	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	15-20	---	---	---	---	5-15
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---	---
Sagebrush	ARTEM	---	30-45	10-20	---	---	---
Antelope bitterbrush	PUTR2	---	---	---	---	2-5	---
Big sagebrush	ARTR2	---	---	---	---	10-20	---
Purple sage	SADOC2	---	---	---	---	---	10-20
Ephedra	EPHED	---	---	---	---	---	2-8

Range site number	026XY022NV	023XY047NV	023XY037NV	None	023XY039NV	023XY030NV
Potential production (lb/acre):						
Favorable years	600	500	700	---	900	500
Normal years	450	350	600	---	700	300
Unfavorable years	300	200	400	---	500	150

258-Old Camp-Reywat-Theon association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Old Camp	Reywat	Theon	1	2
Bottlebrush squirreltail	SIHY	5-10	---	2-5	---	---
Desert needlegrass	STSP3	15-25	---	20-30	---	5-15
Thurber needlegrass	STTH2	2-5	10-20	---	---	---
Bluebunch wheatgrass	AGSP	---	40-60	---	---	---
Basin wildrye	ELCI2	---	2-10	---	---	---
Indian ricegrass	ORHY	---	---	5-10	---	15-25
Green ephedra	EPVI	5-15	---	---	---	---
Spiny hopsage	GRSP	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	15-20	---	---	---	---
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---
Littleleaf horsebrush	TEGL	---	---	10-20	---	---
Shadscale	ATCO	---	---	5-15	---	15-25
Bud sagebrush	ARSP5	---	---	---	---	5-10
Bailey greasewood	SAVEB	---	---	---	---	5-15
Nevada ephedra	EPNE	---	---	---	---	2-5
Range site number		026XY022NV	023XY039NV	027XY017NV	None	027XY027NV
Potential production (lb/acre):						
Favorable years		600	900	400	---	200
Normal years		450	700	200	---	100
Unfavorable years		300	500	100	---	50

261-Pickup-Bucklake association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Pickup	Bucklake	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	20-40	40-60	---
Bluegrass	POA++	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	5-15	10-20	---	2-5	10-20	---
Basin wildrye	ELCI2	---	2-10	---	10-20	2-10	65-75
Canby bluegrass	POCA	---	---	---	2-5	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	---	---	---	---
Sagebrush	ARTEM	10-20	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	---	2-10	2-5	---
Big sagebrush	ARTR2	---	10-20	---	---	10-20	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	1-3

Range site number	023XY037NV	023XY039NV	None	023XY041NV	023XY039NV	023XY009NV
Potential production (lb/acre):						
Favorable years	700	900	---	1,400	900	5,500
Normal years	600	700	---	1,200	700	4,500
Unfavorable years	400	500	---	900	500	2,500

262-Pickup-Bucklake-Terca association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Pickup	Bucklake	Terca	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	40-60	---	20-50	---
Bluegrass	POA++	2-8	---	---	---	---	5-10	---
Thurber needlegrass	STTH2	5-15	10-20	10-20	10-20	---	10-20	---
Basin wildrye	ELCI2	---	2-10	2-10	2-10	---	---	65-75
Nevada bluegrass	PONE3	---	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	---	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	---	---	---	---	---
Sagebrush	ARTEM	10-20	---	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	2-5	2-5	---	---	---
Big sagebrush	ARTR2	---	10-20	10-20	10-20	---	---	---
Low sagebrush	ARAR8	---	---	---	---	---	10-20	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	---	1-3
Range site number		023XY037NV	023XY039NV	023XY039NV	023XY039NV	None	023XY031NV	023XY009NV
Potential production (lb/acre):								
Favorable years		700	900	900	900	---	900	5,500
Normal years		600	700	700	700	---	700	4,500
Unfavorable years		400	500	500	500	---	500	2,500

264-Pickup-Wylo association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Pickup	Wylo	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	---	---	5-15
Bluegrass	POA++	2-8	2-8	---	---	---	---
Thurber needlegrass	STTH2	5-15	5-15	2-5	---	---	---
Indian ricegrass	ORHY	---	---	2-8	---	15-25	2-8
Sandberg bluegrass	POSE	---	---	10-15	---	---	---
Desert needlegrass	STSP3	---	---	2-10	---	---	15-25
Bottlebrush squirreltail	SIHY	---	---	2-8	---	---	---
Basin wildrye	ELCI2	---	---	---	---	5-15	---
Hooker balsamroot	BAHO	2-5	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	1-2	---	---	---	---
Sagebrush	ARTEM	10-20	10-20	30-45	---	---	---
Big sagebrush	ARTR2	---	---	---	---	20-30	---
Spiny hopsage	GRSP	---	---	---	---	10-20	---
Rabbitbrush	CHRY99	---	---	---	---	2-10	---
Purple sage	SADOC2	---	---	---	---	---	10-20
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	5-15
Ephedra	EPHED	---	---	---	---	---	2-8

Range site number	023XY037NV	023XY037NV	023XY047NV	None	027XY029NV	023XY030NV
Potential production (lb/acre):						
Favorable years	700	700	500	---	800	500
Normal years	600	600	350	---	500	300
Unfavorable years	400	400	200	---	300	150

271-Wylo-Pickup-Bucklake association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Wylo	Pickup	Bucklake	1	2	3
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	40-60	---	20-40
Bluegrass	POA++	2-8	2-8	---	---	---	---
Thurber needlegrass	STTH2	5-15	5-15	10-20	10-20	---	2-5
Basin wildrye	ELCI2	---	---	2-10	2-10	---	10-20
Canby bluegrass	POCA	---	---	---	---	---	2-5
Hooker balsamroot	BAHO	2-5	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	1-2	---	---	---	---
Sagebrush	ARTEM	10-20	10-20	---	---	---	---
Antelope bitterbrush	PUTR2	---	---	2-5	2-5	---	2-10
Big sagebrush	ARTR2	---	---	10-20	10-20	---	---
Mountain big sagebrush	ARVA2	---	---	---	---	---	5-15
Range site number		023XY037NV	023XY037NV	023XY039NV	023XY039NV	None	023XY041NV
Potential production (lb/acre):							
Favorable years		700	700	900	900	---	1,400
Normal years		600	600	700	700	---	1,200
Unfavorable years		400	400	500	500	---	900

272-Wylo-Manogue-Pickup association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Wylo	Manogue	Pickup	1	2	3
Bluebunch wheatgrass	AGSP	40-60	---	40-60	40-60	---	---
Bluegrass	POA++	2-8	---	2-8	---	---	---
Thurber needlegrass	STTH2	5-15	2-5	5-15	10-20	---	2-5
Indian ricegrass	ORHY	---	2-8	---	---	---	---
Sandberg bluegrass	POSE	---	10-15	---	---	---	---
Desert needlegrass	STSP3	---	2-10	---	---	---	15-25
Bottlebrush squirreletail	SIHY	---	2-8	---	---	---	5-10
Basin wildrye	ELCI2	---	---	---	2-10	---	---
Hooker balsamroot	BAHO	2-5	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	1-2	---	---	---
Sagebrush	ARTEM	10-20	30-45	10-20	---	---	---
Antelope bitterbrush	PUTR2	---	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	---	10-20	---	---
Green ephedra	EPVI	---	---	---	---	---	5-15
Spiny hopsage	GRSP	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	15-20
Douglas rabbitbrush	CHVI8	---	---	---	---	---	2-5

Range site number	023XY037NV	023XY047NV	023XY037NV	023XY039NV	None	026XY022NV
Potential production (lb/acre):						
Favorable years	700	500	700	900	---	600
Normal years	600	350	600	700	---	450
Unfavorable years	400	200	400	500	---	300

273-Wyko-Bucklake-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Wylo	Bucklake	Rock outcrop	1	2	3
Bluebunch wheatgrass	AGSP	40-60	40-60	---	40-60	---	---
Bluegrass	POA++	2-8	---	---	2-8	---	---
Thurber needlegrass	STTH2	5-15	10-20	---	5-15	2-5	---
Basin wildrye	ELCI2	---	2-10	---	---	---	65-75
Indian ricegrass	ORHY	---	---	---	---	2-8	---
Sandberg bluegrass	POSE	---	---	---	---	10-15	---
Desert needlegrass	STSP3	---	---	---	---	2-10	---
Bottlebrush squirreltail	SIHY	---	---	---	---	2-8	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	---	2-5	---	---
Tapertip hawksbeard	CRAC2	1-2	---	---	1-2	---	---
Sagebrush	ARTEM	10-20	---	---	10-20	30-45	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	1-3
Range site number		023XY037NV	023XY039NV	None	023XY037NV	023XY047NV	023XY009NV
Potential production (lb/acre):							
Favorable years		700	900	---	700	500	5,500
Normal years		600	700	---	600	350	4,500
Unfavorable years		400	500	---	400	200	2,500

274-Wylo-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Wylo	Rock outcrop	1	2	3
Bluebunch wheatgrass	AGSP	40-60	---	40-60	40-60	---
Bluegrass	POA++	2-8	---	2-8	---	---
Thurber needlegrass	STH2	5-15	---	5-15	10-20	2-5
Basin wildrye	ELCI2	---	---	---	2-10	---
Indian ricegrass	ORHY	---	---	---	---	2-8
Sandberg bluegrass	POSE	---	---	---	---	10-15
Desert needlegrass	STSP3	---	---	---	---	2-10
Bottlebrush squirreltail	SIHY	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	2-5	---	---
Tapertip hawksbeard	CRAC2	1-2	---	1-2	---	---
Sagebrush	ARTEM	10-20	---	10-20	---	30-45
Antelope bitterbrush	PUTR2	---	---	---	2-5	---
Big sagebrush	ARTR2	---	---	---	10-20	---
Range site number		023XY037NV	None	023XY037NV	023XY039NV	023XY047NV
Potential production (lb/acre):						
Favorable years		700	---	700	900	500
Normal years		600	---	600	700	350
Unfavorable years		400	---	400	500	200

279-Wylo-Reywat-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Wylo	Reywat	Rock outcrop	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	5-15	---	20-50	---
Bluegrass	POA++	2-8	---	---	---	---	5-10	---
Thurber needlegrass	STTH2	5-15	10-20	---	---	---	10-20	2-5
Basin wildrye	ELCI2	---	2-10	---	---	---	---	---
Desert needlegrass	STSP3	---	---	---	15-25	5-15	---	2-10
Indian ricegrass	ORHY	---	---	---	2-8	15-25	---	2-8
Sandberg bluegrass	POSE	---	---	---	---	---	---	10-15
Bottlebrush squirreltail	SIHY	---	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	---	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	---	---	---	---	---
Sagebrush	ARTEM	10-20	---	---	---	---	---	30-45
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---	---
Purple sage	SADOC2	---	---	---	10-20	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	5-15	---	---	---
Ephedra	EPHED	---	---	---	2-8	---	---	---
Bud sagebrush	ARSP5	---	---	---	---	5-10	---	---
Shadscale	ATCO	---	---	---	---	15-25	---	---
Bailey greasewood	SAVEB	---	---	---	---	5-15	---	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---	---
Low sagebrush	ARAR8	---	---	---	---	---	10-20	---

Range site number	023XY037NV	023XY039NV	None	023XY030NV	027XY027NV	023XY031NV	023XY047NV
Potential production (lb/acre):							
Favorable years	700	900	---	500	200	900	500
Normal years	600	700	---	300	100	700	350
Unfavorable years	400	500	---	150	50	500	200

280-Bombadil-Old Camp-Reywat association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Bombadil	Old Camp	Reywat	1	2	3	4
Thurber needlegrass	STTH2	20-40	2-5	10-20	2-5	---	2-5	---
Webber ricegrass	STWE	2-8	---	---	---	---	---	---
Indian ricegrass	ORHY	5-15	---	---	2-8	30-40	---	---
Sandberg bluegrass	POSE	2-5	---	---	10-15	---	---	---
Basin wildrye	ELCI2	2-5	---	2-10	---	2-5	10-20	---
Bottlebrush squirreltail	SIHY	---	5-10	---	2-8	2-5	---	---
Desert needlegrass	STSP3	---	15-25	---	2-10	---	---	---
Bluebunch wheatgrass	AGSP	---	---	40-60	---	---	20-40	---
Needleandthread	STCO4	---	---	---	---	5-15	---	---
Canby bluegrass	POCA	---	---	---	---	---	2-5	---
Spiny hopsage	GRSP	2-5	2-5	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW*	15-25	15-20	---	---	---	---	---
Green ephedra	EPVI	---	5-15	---	---	---	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	---	2-5	---	---	2-10	---
Big sagebrush	ARTR2	---	---	10-20	---	---	---	---
Sagebrush	ARTEM	---	---	---	30-45	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	10-25	---	---
Fourwing saltbush	ATCA2	---	---	---	---	2-8	---	---
Mountain big sagebrush	ARVA2	---	---	---	---	---	5-15	---

Range site number	023XY006NV	026XY022NV	023XY039NV	023XY047NV	023XY011NV	023XY041NV	None
Potential production (lb/acre):							
Favorable years	800	600	900	500	800	1,400	---
Normal years	600	450	700	350	600	1,200	---
Unfavorable years	400	300	500	200	300	900	---

282-Bombadil-Hefed-Rubble land association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Bombadil	Hefed	Rubble land	1	2	3	4
Thurber needlegrass	STTH2	20-40	2-5	---	---	---	10-20	---
Webber ricegrass	STWE	2-8	---	---	---	---	---	---
Indian ricegrass	ORHY	5-15	---	---	---	15-25	---	---
Sandberg bluegrass	POSE	2-5	---	---	20-30	---	---	---
Basin wildrye	ELCI2	2-5	---	---	---	---	2-10	---
Bottlebrush squirreltail	SIHY	---	5-10	---	2-10	---	---	---
Desert needlegrass	STSP3	---	15-25	---	---	5-15	---	---
Bluebunch wheatgrass	AGSP	---	---	---	---	---	40-60	---
Spiny hopsage	GRSP	2-5	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	15-25	15-20	---	---	---	---	---
Green ephedra	EPVI	---	5-15	---	---	---	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Shadscale	ATCO	---	---	---	20-30	15-25	---	---
Bud sagebrush	ARSP5	---	---	---	5-10	5-10	---	---
Bailey greasewood	SAVEB	---	---	---	10-20	5-15	---	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---	---
Antelope bitterbrush	PUTR2	---	---	---	---	---	2-5	---
Big sagebrush	ARTR2	---	---	---	---	---	10-20	---

Range site number	023XY006NV	026XY022NV	None	027XY030NV	027XY027NV	023XY039NV	None
Potential production (lb/acre):							
Favorable years	800	600	---	400	200	900	---
Normal years	600	450	---	300	100	700	---
Unfavorable years	400	300	---	200	50	500	---

283-Bombadil-Ceejay association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Bombadil	Ceejay	1	2	3	4
Thurber needlegrass	STTH2	20-40	2-5	2-5	20-40	10-20	10-20
Webber ricegrass	STWE	2-8	---	---	2-8	---	---
Indian ricegrass	ORHY	5-15	2-8	2-8	5-15	---	---
Sandberg bluegrass	POSE	2-5	10-15	10-15	2-5	---	---
Basin wildrye	ELCI2	2-5	---	---	2-5	2-10	---
Desert needlegrass	STSP3	---	2-10	2-10	---	---	---
Bottlebrush squirreltail	SIHY	---	2-8	2-8	---	---	---
Bluebunch wheatgrass	AGSP	---	---	---	---	40-60	20-50
Bluegrass	POA++	---	---	---	---	---	5-10
Spiny hopsage	GRSP	2-5	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	15-25	---	---	15-25	---	---
Sagebrush	ARTEM	---	30-45	30-45	---	---	---
Antelope bitterbrush	PUTR2	---	---	---	---	2-5	---
Big sagebrush	ARTR2	---	---	---	---	10-20	---
Low sagebrush	ARAR8	---	---	---	---	---	10-20

Range site number	023XY006NV	023XY047NV	023XY047NV	023XY006NV	023XY039NV	023XY031NV
Potential production (lb/acre):						
Favorable years	800	500	500	800	900	900
Normal years	600	350	350	600	700	700
Unfavorable years	400	200	200	400	500	500

284-Bombadil-Corral association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Bombadil	Corral	1	2	3
Thurber needlegrass	STTH2	20-40	20-40	20-40	---	2-8
Webber ricegrass	STWE	2-8	2-8	2-8	---	2-5
Indian ricegrass	ORHY	5-15	5-15	5-15	10-20	10-15
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---
Basin wildrye	ELCI2	2-5	2-5	2-5	---	---
Bottlebrush squirreltail	SIHY	---	---	---	2-10	2-5
Desert needlegrass	STSP3	---	---	---	---	10-15
Spiny hopsage	GRSP	2-5	2-5	2-5	---	10-25
Wyoming big sagebrush	ARTRW*	15-25	15-25	15-25	---	20-30
Winterfat	EULA5	---	---	---	60-70	---
Bud sagebrush	ARSP5	---	---	---	2-5	---

Range site number	023XY006NV	023XY006NV	023XY006NV	024XY004NV	023XY038NV
Potential production (lb/acre):					
Favorable years	800	800	800	500	600
Normal years	600	600	600	350	450
Unfavorable years	400	400	400	200	300

310-Jaybee-Pickup association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Jaybee	Pickup	1	2	3	4
Indian ricegrass	ORHY	2-8	---	---	2-8	2-8	---
Sandberg bluegrass	POSE	10-15	---	---	10-15	10-15	---
Desert needlegrass	STSP3	2-10	---	---	2-10	2-10	15-25
Bottlebrush squirreltail	SIHY	2-8	---	---	2-8	2-8	5-10
Thurber needlegrass	STTH2	2-5	5-15	---	2-5	2-5	2-5
Bluebunch wheatgrass	AGSP	---	40-60	---	---	---	---
Bluegrass	POA++	---	2-8	---	---	---	---
Hooker balsamroot	BAHO	---	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	---	1-2	---	---	---	---
Sagebrush	ARTEM	30-45	10-20	---	30-45	30-45	---
Green ephedra	EPVI	---	---	---	---	---	5-15
Spiny hopsage	GRSP	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	15-20
Douglas rabbitbrush	CHVI8	---	---	---	---	---	2-5

Range site number	023XY047NV	023XY037NV	None	023XY047NV	023XY047NV	026XY022NV
Potential production (lb/acre):						
Favorable years	500	700	---	500	500	600
Normal years	350	600	---	350	350	450
Unfavorable years	200	400	---	200	200	300

312-Jaybee-Old Camp-Reywat association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Old Camp	Reywat	1	2	3	4
Indian ricegrass	ORHY	2-8	---	---	30-40	---	2-8	5-15
Sandberg bluegrass	POSE	10-15	---	---	---	---	---	2-5
Desert needlegrass	STSP3	2-10	15-25	---	---	---	15-25	---
Bottlebrush squirreltail	SIHY	2-8	5-10	---	2-5	---	---	---
Thurber needlegrass	STTH2	2-5	2-5	10-20	---	---	---	20-40
Bluebunch wheatgrass	AGSP	---	---	40-60	---	---	5-15	---
Basin wildrye	ELCI2	---	---	2-10	2-5	---	---	2-5
Needleandthread	STCO4	---	---	---	5-15	---	---	---
Webber ricegrass	STWE	---	---	---	---	---	---	2-8
Sagebrush	ARTEM	30-45	---	---	---	---	---	---
Green ephedra	EPVI	---	5-15	---	---	---	---	---
Spiny hopsage	GRSP	---	2-5	---	5-10	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	15-20	---	---	---	5-15	15-25
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Antelope bitterbrush	FUTR2	---	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	---	10-20	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	10-25	---	---	---
Fourwing saltbush	ATCA2	---	---	---	2-8	---	---	---
Purple sage	SADOC2	---	---	---	---	---	10-20	---
Ephedra	EPHED	---	---	---	---	---	2-8	---

Range site number	023XY047NV	026XY022NV	023XY039NV	023XY011NV	None	023XY030NV	023XY006NV
Potential production (lb/acre):							
Favorable years	500	600	900	800	---	500	800
Normal years	350	450	700	600	---	300	600
Unfavorable years	200	300	500	300	---	150	400

313-Jaybee-Bombadil-Old Camp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Bombadil	Old Camp	1	2	3	4
Indian ricegrass	ORHY	2-8	5-15	---	2-8	---	2-8	5-15
Sandberg bluegrass	POSE	10-15	2-5	---	10-15	---	10-15	2-5
Desert needlegrass	STSP3	2-10	---	15-25	2-10	---	2-10	---
Bottlebrush squirreltail	SIHY	2-8	---	5-10	2-8	---	2-8	---
Thurber needlegrass	STTH2	2-5	20-40	2-5	2-5	---	2-5	20-40
Webber ricegrass	STWE	---	2-8	---	---	---	---	2-8
Basin wildrye	ELCI2	---	2-5	---	---	---	---	2-5
Sagebrush	ARTEM	30-45	---	---	30-45	---	30-45	---
Spiny hopsage	GRSP	---	2-5	2-5	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	15-25	15-20	---	---	---	15-25
Green ephedra	EPVI	---	---	5-15	---	---	---	---
Douglas rabbitbrush	CHVI8	---	---	2-5	---	---	---	---

Range site number	023XY047NV	023XY006NV	026XY022NV	023XY047NV	None	023XY047NV	023XY006NV
Potential production (lb/acre):							
Favorable years	500	800	600	500	---	500	800
Normal years	350	600	450	350	---	350	600
Unfavorable years	200	400	300	200	---	200	400

314-Jaybee-Oppio-Old Camp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Oppio	Old Camp	1	2	3	4
Indian ricegrass	ORHY	2-8	2-8	---	2-8	---	---	5-15
Sandberg bluegrass	POSE	10-15	10-15	---	10-15	---	---	2-5
Desert needlegrass	STSP3	2-10	2-10	15-25	2-10	---	---	---
Bottlebrush squirreltail	SIHY	2-8	2-8	5-10	2-8	---	---	---
Thurber needlegrass	STTH2	2-5	2-5	2-5	2-5	10-20	---	20-40
Bluebunch wheatgrass	AGSP	---	---	---	---	40-60	---	---
Basin wildrye	ELCI2	---	---	---	---	2-10	---	2-5
Webber ricegrass	STWE	---	---	---	---	---	---	2-8
Sagebrush	ARTEM	30-45	30-45	---	30-45	---	---	---
Green ephedra	EPVI	---	---	5-15	---	---	---	---
Spiny hopsage	GRSP	---	---	2-5	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	15-20	---	---	---	15-25
Douglas rabbitbrush	CHVI8	---	---	2-5	---	---	---	---
Antelope bitterbrush	PUTR2	---	---	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	---	---	10-20	---	---

Range site number	023XY047NV	023XY047NV	026XY022NV	023XY047NV	023XY039NV	None	023XY006NV
Potential production (lb/acre):							
Favorable years	500	500	600	500	900	---	800
Normal years	350	350	450	350	700	---	600
Unfavorable years	200	200	300	200	500	---	400

315-Jaybee-Bombadil-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Bombadil	Rock outcrop	1	2	3	4
Indian ricegrass	ORHY	2-8	5-15	---	---	---	---	2-8
Sandberg bluegrass	POSE	10-15	2-5	---	---	---	---	10-15
Desert needlegrass	STSP3	2-10	---	---	---	15-25	---	2-10
Bottlebrush squirreltail	SIHY	2-8	---	---	---	5-10	---	2-8
Thurber needlegrass	STTH2	2-5	20-40	---	10-20	2-5	5-15	2-5
Webber ricegrass	STWE	---	2-8	---	---	---	---	---
Basin wildrye	ELCI2	---	2-5	---	2-10	---	---	---
Bluebunch wheatgrass	AGSP	---	---	---	40-60	---	40-60	---
Bluegrass	POA++	---	---	---	---	---	2-8	---
Hooker balsamroot	BAHO	---	---	---	---	---	2-5	---
Tapertip hawksbeard	CRAC2	---	---	---	---	---	1-2	---
Sagebrush	ARTEM	30-45	---	---	---	---	10-20	30-45
Spiny hopsage	GRSP	---	2-5	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	15-25	---	---	15-20	---	---
Antelope bitterbrush	PUTR2	---	---	---	2-5	---	---	---
Big sagebrush	ARTR2	---	---	---	10-20	---	---	---
Green ephedra	EPVI	---	---	---	---	5-15	---	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5	---	---

Range site number	023XY047NV	023XY006NV	None	023XY039NV	026XY022NV	023XY037NV	023XY047NV
Potential production (lb/acre):							
Favorable years	500	800	---	900	600	700	500
Normal years	350	600	---	700	450	600	350
Unfavorable years	200	400	---	500	300	400	200

316-Jaybee-Manogue-Fulstone association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Jaybee	Manogue	Fulstone	1	2	3
Indian ricegrass	ORHY	2-8	2-8	2-8	5-15	---	10-20
Sandberg bluegrass	POSE	10-15	10-15	10-15	2-5	---	---
Desert needlegrass	STSP3	2-10	2-10	2-10	---	---	---
Bottlebrush squirreltail	SIHY	2-8	2-8	2-8	---	---	2-10
Thurber needlegrass	STTH2	2-5	2-5	2-5	20-40	---	---
Webber ricegrass	STWE	---	---	---	2-8	---	---
Basin wildrye	ELCI2	---	---	---	2-5	---	---
Sagebrush	ARTEM	30-45	30-45	30-45	---	---	---
Spiny hopsage	GRSP	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	15-25	---	---
Winterfat	EULAS	---	---	---	---	---	60-70
Bud sagebrush	ARSP5	---	---	---	---	---	2-5

Range site number	023XY047NV	023XY047NV	023XY047NV	023XY006NV	None	024XY004NV
Potential production (lb/acre):						
Favorable years	500	500	500	800	---	500
Normal years	350	350	350	600	---	350
Unfavorable years	200	200	200	400	---	200

317-Jaybee-Corral-Oppio association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Corral	Oppio	1	2	3	4
Indian ricegrass	ORHY	2-8	5-15	2-8	---	---	5-15	2-8
Sandberg bluegrass	POSE	10-15	2-5	10-15	---	---	2-5	10-15
Desert needlegrass	STSP3	2-10	---	2-10	---	---	---	2-10
Bottlebrush squirreltail	SIHY	2-8	---	2-8	---	---	---	2-8
Thurber needlegrass	STTH2	2-5	20-40	2-5	10-20	---	20-40	2-5
Webber ricegrass	STWE	---	2-8	---	---	---	2-8	---
Basin wildrye	ELCI2	---	2-5	---	2-10	---	2-5	---
Bluebunch wheatgrass	AGSP	---	---	---	40-60	---	---	---
Sagebrush	ARTEM	30-45	---	30-45	---	---	---	30-45
Spiny hopsage	GRSP	---	2-5	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	15-25	---	---	---	15-25	---
Antelope bitterbrush	PUTR2	---	---	---	2-5	---	---	---
Big sagebrush	ARTR2	---	---	---	10-20	---	---	---

Range site number	023XY047NV	023XY006NV	023XY047NV	023XY039NV	None	023XY006NV	023XY047NV
Potential production (lb/acre):							
Favorable years	500	800	500	900	---	800	500
Normal years	350	600	350	700	---	600	350
Unfavorable years	200	400	200	500	---	400	200

318-Jaybee-Reywat association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Jaybee	Reywat	1	2	3
Indian ricegrass	ORHY	2-8	---	---	---	---
Sandberg bluegrass	POSE	10-15	---	---	---	---
Desert needlegrass	STSP3	2-10	---	---	---	---
Bottlebrush squirreltail	SIHY	2-8	---	---	---	---
Thurber needlegrass	STTH2	2-5	10-20	10-20	10-20	---
Bluebunch wheatgrass	AGSP	---	40-60	40-60	20-50	---
Basin wildrye	ELCI2	---	2-10	2-10	---	---
Bluegrass	POA++	---	---	---	5-10	---
Sagebrush	ARTEM	30-45	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	2-5	---	---
Big sagebrush	ARTR2	---	10-20	10-20	---	---
Low sagebrush	ARAR8	---	---	---	10-20	---
Range site number		023XY047NV	023XY039NV	023XY039NV	023XY031NV	None
Potential production (lb/acre):						
Favorable years		500	900	900	900	---
Normal years		350	700	700	700	---
Unfavorable years		200	500	500	500	---

330-Hart Camp-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Hart Camp	Devada	1	2	3	4
Bluebunch wheatgrass	AGSP	20-35	20-50	---	---	---	---
Idaho fescue	FEID	5-10	---	---	---	---	---
Bluegrass	POA++	5-10	5-10	---	---	---	5-10
Basin wildrye	ELCI2	5-10	---	65-75	---	---	---
Needlegrass	STIPA	2-10	---	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	---	---	5-10	---
Nevada bluegrass	PONE3	---	---	2-8	---	---	---
Sandberg bluegrass	POSE	---	---	---	---	20-30	---
Bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---
Tufted hairgrass	DECE	---	---	---	---	---	30-50
Meadow barley	HOB2	---	---	---	---	---	5-10
mannagrass	GLYCE	---	---	---	---	---	5-10
Rush	JUNCU	---	---	---	---	---	5-10
Sedge	CAREX	---	---	---	---	---	5-10
Antelope bitterbrush	PUTR2	15-25	---	---	---	---	---
Mountain big sagebrush	ARVA2	5-15	---	---	---	---	---
Low sagebrush	ARAR8	---	10-20	---	---	35-50	---
Basin big sagebrush	ARTRT*	---	---	5-10	---	---	---
Rubber rabbitbrush	CHNA2	---	---	1-3	---	---	---
Rabbitbrush	CHRS9	---	---	---	---	2-8	---

Range site number	023XY015NV	023XY031NV	023XY009NV	None	023XY044NV	023XY025NV
Potential production (lb/acre):						
Favorable years	1,500	900	5,500	---	450	4,000
Normal years	1,200	700	4,500	---	300	3,000
Unfavorable years	900	500	2,500	---	200	2,000

340-Reywat-Rock outcrop complex, 15 to 50 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Reywat	Rock outcrop	1	2
Bluebunch wheatgrass	AGSP	40-60	---	20-40	40-60
Thurber needlegrass	STTH2	10-20	---	2-5	10-20
Basin wildrye	ELCI2	2-10	---	10-20	2-10
Canby bluegrass	POCA	---	---	2-5	---
Antelope bitterbrush	PUTR2	2-5	---	2-10	2-5
Big sagebrush	ARTR2	10-20	---	---	10-20
Mountain big sagebrush	ARVA2	---	---	5-15	---
Range site number		023XY039NV	None	023XY041NV	023XY039NV
Potential production (lb/acre):					
Favorable years		900	---	1,400	900
Normal years		700	---	1,200	700
Unfavorable years		500	---	900	500

344-Reywat-Ister association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Reywat	Ister	1	2	3
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	20-40	---
Thurber needlegrass	STTH2	10-20	10-20	10-20	2-5	---
Basin wildrye	ELCI2	2-10	2-10	2-10	10-20	---
Canby bluegrass	POCA	---	---	---	2-5	---
Antelope bitterbrush	PUTR2	2-5	2-5	2-5	2-10	---
Big sagebrush	ARTR2	10-20	10-20	10-20	---	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	---
Range site number		023XY039NV	023XY039NV	023XY039NV	023XY041NV	None
Potential production (lb/acre):						
Favorable years		900	900	900	1,400	---
Normal years		700	700	700	1,200	---
Unfavorable years		500	500	500	900	---

362-Brubeck very cobbly clay, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Brubeck	1	2
Western wheatgrass	AGSM	15-25	---	15-25
Bottlebrush squirreltail	SIHY	5-15	---	5-15
Creeping wildrye	ELTR3	5-10	---	5-10
Littleleaf horsebrush	TEGL	5-10	---	5-10
Basin big sagebrush	ARTRT*	10-25	---	10-25
Rubber rabbitbrush	CHNA2	2-5	---	2-5
Range site number		023XY033NV	None	023XY033NV
Potential production (lb/acre):				
Favorable years		800	---	800
Normal years		600	---	600
Unfavorable years		350	---	350

370-Terca-Softscrabble-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Terca	Softscrabble	Rock outcrop	1	2	3
Bluebunch wheatgrass	AGSP	40-60	20-40	---	15-35	20-50	40-60
Thurber needlegrass	STTH2	10-20	2-5	---	2-8	10-20	5-15
Basin wildrye	ELCI2	2-10	10-20	---	5-15	---	---
Canby bluegrass	POCA	---	2-5	---	---	---	---
Idaho fescue	FEID	---	---	---	30-40	---	---
Bluegrass	POA++	---	---	---	2-8	5-10	2-8
Hooker balsamroot	BAHO	---	---	---	---	---	2-5
Tapertip hawksbeard	CRAC2	---	---	---	---	---	1-2
Antelope bitterbrush	PUTR2	2-5	2-10	---	2-10	---	---
Big sagebrush	ARTR2	10-20	---	---	---	---	---
Mountain big sagebrush	ARVA2	---	5-15	---	10-20	---	---
Low sagebrush	ARAR8	---	---	---	---	10-20	---
Sagebrush	ARTEM	---	---	---	---	---	10-20
Range site number		023XY039NV	023XY041NV	None	023XY007NV	023XY031NV	023XY037NV
Potential production (lb/acre):							
Favorable years		900	1,400	---	1,600	900	700
Normal years		700	1,200	---	1,200	700	600
Unfavorable years		500	900	---	900	500	400

371-Terca-Devada-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Terca	Devada	Rock outcrop	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	20-50	---	40-60	15-35	40-60	5-15
Thurber needlegrass	STTH2	10-20	10-20	---	10-20	2-8	10-20	---
Basin wildrye	ELCI2	2-10	---	---	2-10	5-15	2-10	---
Bluegrass	POA++	---	5-10	---	---	2-8	---	---
Idaho fescue	FEID	---	---	---	---	30-40	---	---
Desert needlegrass	STSP3	---	---	---	---	---	---	15-25
Indian ricegrass	ORHY	---	---	---	---	---	---	2-8
Antelope bitterbrush	PUTR2	2-5	---	---	2-5	2-10	2-5	---
Big sagebrush	ARTR2	10-20	---	---	10-20	---	10-20	---
Low sagebrush	ARAR8	---	10-20	---	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	---	10-20	---	---
Purple sage	SADOC2	---	---	---	---	---	---	10-20
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---	5-15
Ephedra	EPHED	---	---	---	---	---	---	2-8

Range site number	023XY039NV	023XY031NV	None	023XY039NV	023XY007NV	023XY039NV	023XY030NV
Potential production (lb/acre):							
Favorable years	900	900	---	900	1,600	900	500
Normal years	700	700	---	700	1,200	700	300
Unfavorable years	500	500	---	500	900	500	150

372-Terca-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Terca	Devada	1	2
Bluebunch wheatgrass	AGSP	40-60	20-50	20-40	---
Thurber needlegrass	STTH2	10-20	10-20	2-5	---
Basin wildrye	ELCI2	2-10	---	10-20	---
Bluegrass	POA++	---	5-10	---	---
Canby bluegrass	POCA	---	---	2-5	---
Antelope bitterbrush	PUTR2	2-5	---	2-10	---
Big sagebrush	ARTR2	10-20	---	---	---
Low sagebrush	ARAR8	---	10-20	---	---
Mountain big sagebrush	ARVA2	---	---	5-15	---
Range site number		023XY039NV	023XY031NV	023XY041NV	None
Potential production (lb/acre):					
Favorable years		900	900	1,400	---
Normal years		700	700	1,200	---
Unfavorable years		500	500	900	---

373-Terca-Softscrabble-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Terca	Softscrabble	Devada	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	15-35	20-50	---	---	40-60	20-50
Thurber needlegrass	STTH2	10-20	2-8	10-20	---	---	10-20	10-20
Basin wildrye	ELCI2	2-10	5-15	---	65-75	---	2-10	---
Idaho fescue	FEID	---	30-40	---	---	---	---	---
Bluegrass	POA++	---	2-8	5-10	---	---	---	5-10
Nevada bluegrass	PONE3	---	---	---	2-8	---	---	---
Antelope bitterbrush	PUTR2	2-5	2-10	---	---	---	2-5	---
Big sagebrush	ARTR2	10-20	---	---	---	---	10-20	---
Mountain big sagebrush	ARVA2	---	10-20	---	---	---	---	---
Low sagebrush	ARAR8	---	---	10-20	---	---	---	10-20
Basin big sagebrush	ARTRT*	---	---	---	5-10	---	---	---
Rubber rabbitbrush	CHNA2	---	---	---	1-3	---	---	---

Range site number	023XY039NV	023XY007NV	023XY031NV	023XY009NV	None	023XY039NV	023XY031NV
Potential production (lb/acre):							
Favorable years	900	1,600	900	5,500	---	900	900
Normal years	700	1,200	700	4,500	---	700	700
Unfavorable years	500	900	500	2,500	---	500	500

374-Terca-Reywat-Wylo association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Terca	Reywat	Wylo	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	5-15	20-40	---	40-60
Thurber needlegrass	STTH2	10-20	10-20	5-15	---	2-5	---	5-15
Basin wildrye	ELCI2	2-10	2-10	---	---	10-20	---	---
Bluegrass	POA++	---	---	2-8	---	---	---	2-8
Desert needlegrass	STSP3	---	---	---	15-25	---	---	---
Indian ricegrass	ORHY	---	---	---	2-8	---	---	---
Canby bluegrass	POCA	---	---	---	---	2-5	---	---
Hooker balsamroot	BAHO	---	---	2-5	---	---	---	2-5
Tapertip hawksbeard	CRAC2	---	---	1-2	---	---	---	1-2
Antelope bitterbrush	PUTR2	2-5	2-5	---	---	2-10	---	---
Big sagebrush	ARTR2	10-20	10-20	---	---	---	---	---
Sagebrush	ARTEM	---	---	10-20	---	---	---	10-20
Purple sage	SADOC2	---	---	---	10-20	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	5-15	---	---	---
Ephedra	EPHED	---	---	---	2-8	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	---	5-15	---	---

Range site number	023XY039NV	023XY039NV	023XY037NV	023XY030NV	023XY041NV	None	023XY037NV
Potential production (lb/acre):							
Favorable years	900	900	700	500	1,400	---	700
Normal years	700	700	600	300	1,200	---	600
Unfavorable years	500	500	400	150	900	---	400

420-Fulstone-Wylo association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Fulstone	Wylo	1	2	3
Indian ricegrass	ORHY	2-8	---	2-8	2-8	---
Sandberg bluegrass	POSE	10-15	---	10-15	10-15	---
Desert needlegrass	STSP3	2-10	---	2-10	2-10	---
Bottlebrush squirreltail	SIHY	2-8	---	2-8	2-8	---
Thurber needlegrass	STTH2	2-5	5-15	2-5	2-5	---
Bluebunch wheatgrass	AGSP	---	40-60	---	---	---
Bluegrass	POA++	---	2-8	---	---	---
Hooker balsamroot	BAHO	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	---	1-2	---	---	---
Sagebrush	ARTEM	30-45	10-20	30-45	30-45	---
Range site number		023XY047NV	023XY037NV	023XY047NV	023XY047NV	None
Potential production (lb/acre):						
Favorable years		500	700	500	500	---
Normal years		350	600	350	350	---
Unfavorable years		200	400	200	200	---

421-Fulstone-Chalco association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Fulstone	Chalco	1	2	3	4
Indian ricegrass	ORHY	2-8	2-8	5-15	---	---	10-15
Sandberg bluegrass	POSE	10-15	10-15	2-5	---	---	---
Desert needlegrass	STSP3	2-10	2-10	---	---	---	10-15
Bottlebrush squirreltail	SIHY	2-8	2-8	---	---	---	2-5
Thurber needlegrass	STTH2	2-5	2-5	20-40	---	---	2-8
Webber ricegrass	STWE	---	---	2-8	---	---	2-5
Basin wildrye	ELCI2	---	---	2-5	50-60	---	---
Western wheatgrass	AGSM	---	---	---	5-15	---	---
Sagebrush	ARTEM	30-45	30-45	---	---	---	---
Spiny hopsage	GRSP	---	---	2-5	---	---	10-25
Wyoming big sagebrush	ARTRW*	---	---	15-25	---	---	20-30
Black greasewood	SAVE4	---	---	---	2-10	---	---
Basin big sagebrush	ARTRT*	---	---	---	10-20	---	---
Rubber rabbitbrush	CHNA2	---	---	---	2-5	---	---

Range site number	023XY047NV	023XY047NV	023XY006NV	024XY006NV	None	023XY038NV
Potential production (lb/acre):						
Favorable years	500	500	800	1,500	---	600
Normal years	350	350	600	1,100	---	450
Unfavorable years	200	200	400	600	---	300

422-Fulstone very stony loam, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Fulstone	1	2	3	4
Indian ricegrass	ORHY	2-8	2-8	5-15	10-15	---
Sandberg bluegrass	POSE	10-15	10-15	2-5	---	---
Desert needlegrass	STSP3	2-10	2-10	---	10-15	---
Bottlebrush squirreltail	SIHY	2-8	2-8	5-15	2-5	---
Thurber needlegrass	STTH2	2-5	2-5	---	2-8	---
Needleandthread	STCO4	---	---	1-3	---	---
Webber ricegrass	STWE	---	---	---	2-5	---
Western wheatgrass	AGSM	---	---	---	---	5-15
Basin wildrye	ELCI2	---	---	---	---	50-60
Sagebrush	ARTEM	30-45	30-45	---	---	---
Winterfat	EULAS	---	---	2-5	---	---
Shadscale	ATCO	---	---	30-40	---	---
Bud sagebrush	ARSP5	---	---	20-30	---	---
Spiny hopsage	GRSP	---	---	2-5	10-25	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---
Black greasewood	SAVE4	---	---	---	---	2-10
Basin big sagebrush	ARTRT*	---	---	---	---	10-20
Rubber rabbitbrush	CHNA2	---	---	---	---	2-5

Range site number	023XY047NV	023XY047NV	024XY002NV	023XY038NV	024XY006NV
Potential production (lb/acre):					
Favorable years	500	500	750	600	1,500
Normal years	350	350	450	450	1,100
Unfavorable years	200	200	300	300	600

441-Rezave-Theon association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Rezave	Theon	1	2	3	4
Sandberg bluegrass	POSE	2-5	---	---	---	---	---
Indian ricegrass	ORHY	10-25	5-15	---	15-25	15-25	---
Bottlebrush squirreltail	SIHY	5-15	2-5	---	---	---	---
Desert needlegrass	STSP3	---	5-15	---	---	5-15	---
Basin wildrye	ELCI2	---	---	40-60	5-15	---	---
Nevada bluegrass	PONE3	---	---	5-10	---	---	---
Thelypody	THELY	---	---	1-3	---	---	---
Povertyweed	IVAX	---	---	2-5	---	---	---
Bud sagebrush	ARSP5	15-20	2-8	---	---	5-10	---
Shadscale	ATCO	30-40	30-50	---	---	15-25	---
Bailey greasewood	SAVEB	1-5	5-15	---	---	5-15	---
Nevada ephedra	EPNE	---	2-5	---	---	2-5	---
Winterfat	EULA5	---	2-5	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	5-15	---	---	---
Big sagebrush	ARTR2	---	---	---	20-30	---	---
Spiny hopsage	GRSP	---	---	---	10-20	---	---
Rabbitbrush	CHRS9	---	---	---	2-10	---	---

Range site number	027XY013NV	027XY019NV	023XY005NV	027XY029NV	027XY027NV	None
Potential production (lb/acre):						
Favorable years	500	400	3,000	800	200	---
Normal years	300	200	2,000	500	100	---
Unfavorable years	100	100	1,300	300	50	---

460-Chill-Jaybee association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Chill	Jaybee	1	2	3	4
Thurber needlegrass	STTH2	20-40	2-5	10-20	20-40	20-40	---
Webber ricegrass	STWE	2-8	---	---	2-8	2-8	---
Indian ricegrass	ORHY	5-15	2-8	---	5-15	5-15	---
Sandberg bluegrass	POSE	2-5	10-15	---	2-5	2-5	---
Basin wildrye	ELCI2	2-5	---	2-10	2-5	2-5	---
Desert needlegrass	STSP3	---	2-10	---	---	---	---
Bottlebrush squirreltail	SIHY	---	2-8	---	---	---	---
Bluebunch wheatgrass	AGSP	---	---	40-60	---	---	---
Spiny hopsage	GRSP	2-5	---	---	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	15-25	---	---	15-25	15-25	---
Sagebrush	ARTEM	---	30-45	---	---	---	---
Antelope bitterbrush	PUTR2	---	---	2-5	---	---	---
Big sagebrush	ARTR2	---	---	10-20	---	---	---
Range site number		023XY006NV	023XY047NV	023XY039NV	023XY006NV	023XY006NV	None
Potential production (lb/acre):							
Favorable years		800	500	900	800	800	---
Normal years		600	350	700	600	600	---
Unfavorable years		400	200	500	400	400	---

491-Oppio very stony loam, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Oppio	1	2	3	4
Indian ricegrass	ORHY	2-8	2-8	5-15	30-40	---
Sandberg bluegrass	POSE	10-15	10-15	2-5	---	---
Desert needlegrass	STSP3	2-10	2-10	---	---	---
Bottlebrush squirreltail	SIHY	2-8	2-8	---	2-5	---
Thurber needlegrass	STTH2	2-5	2-5	20-40	---	---
Webber ricegrass	STWE	---	---	2-8	---	---
Basin wildrye	ELCI2	---	---	2-5	2-5	---
Needleandthread	STCO4	---	---	---	5-15	---
Sagebrush	ARTEM	30-45	30-45	---	---	---
Spiny hopsage	GRSP	---	---	2-5	5-10	---
Wyoming big sagebrush	ARTRW*	---	---	15-25	---	---
Basin big sagebrush	ARTRT*	---	---	---	10-25	---
Fourwing saltbush	ATCA2	---	---	---	2-8	---
Range site number		023XY047NV	023XY047NV	023XY006NV	023XY011NV	None
Potential production (lb/acre):						
Favorable years		500	500	800	800	---
Normal years		350	350	600	600	---
Unfavorable years		200	200	400	300	---

500-Smaug very fine sandy loam, 2 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Smaug	1	2	3	4
Bottlebrush squirreltail	SIHY	2-10	2-10	5-10	5-15	2-5
Indian ricegrass	ORHY	10-20	5-15	---	5-15	30-40
Needleandthread	STCO4	---	1-2	---	1-3	5-15
Sandberg bluegrass	POSE	---	2-5	---	2-5	---
Basin wildrye	ELCI2	---	---	---	---	2-5
Phlox	PHLOX	---	1-4	---	---	---
Globemallow	SPHAE	---	1-4	---	---	---
Eveningprimrose	OENOT	---	1-2	---	---	---
Winterfat	EULA5	60-70	20-40	---	2-5	---
Bud sagebrush	ARSP5	2-5	20-30	5-15	20-30	---
Shadscale	ATCO	---	2-5	30-50	30-40	---
Black greasewood	SAVE4	---	---	15-30	---	---
Seepweed	SUAED	---	---	2-15	---	---
Spiny hopsage	GRSP	---	---	---	2-5	5-10
Basin big sagebrush	ARTRT*	---	---	---	---	10-25
Fourwing saltbush	ATCA2	---	---	---	---	2-8

Range site number	024XY004NV	024XY014NV	024XY003NV	024XY002NV	023XY011NV
Potential production (lb/acre):					
Favorable years	500	400	600	750	800
Normal years	350	300	450	450	600
Unfavorable years	200	200	300	300	300

510-Bucklake-Bombadil-Reywat association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Bucklake	Bombadil	Reywat	1	2	3
Bluebunch wheatgrass	AGSP	40-60	---	40-60	---	20-50	5-15
Thurber needlegrass	STTH2	10-20	20-40	10-20	---	10-20	---
Basin wildrye	ELCI2	2-10	2-5	2-10	---	---	---
Webber ricegrass	STWE	---	2-8	---	---	---	---
Indian ricegrass	ORHY	---	5-15	---	---	---	2-8
Sandberg bluegrass	POSE	---	2-5	---	---	---	---
Bluegrass	POA++	---	---	---	---	5-10	---
Desert needlegrass	STSP3	---	---	---	---	---	15-25
Antelope bitterbrush	PUTR2	2-5	---	2-5	---	---	---
Big sagebrush	ARTR2	10-20	---	10-20	---	---	---
Spiny hopsage	GRSP	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	15-25	---	---	---	5-15
Low sagebrush	ARAR8	---	---	---	---	10-20	---
Purple sage	SADOC2	---	---	---	---	---	10-20
Ephedra	EPHED	---	---	---	---	---	2-8
Range site number		023XY039NV	023XY006NV	023XY039NV	None	023XY031NV	023XY030NV
Potential production (lb/acre):							
Favorable years		900	800	900	---	900	500
Normal years		700	600	700	---	700	300
Unfavorable years		500	400	500	---	500	150

511-Bucklake-Corral-Rubble land association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Bucklake	Corral	Rubble land	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	---	40-60	40-60	40-60
Thurber needlegrass	STTH2	10-20	10-20	---	---	10-20	10-20	5-15
Basin wildrye	ELCI2	2-10	2-10	---	---	2-10	2-10	---
Bluegrass	POA++	---	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	---	---	---	---	---	---	2-5
Tapertip hawksbeard	CRAC2	---	---	---	---	---	---	1-2
Antelope bitterbrush	PUTR2	2-5	2-5	---	---	2-5	2-5	---
Big sagebrush	ARTR2	10-20	10-20	---	---	10-20	10-20	---
Sagebrush	ARTEM	---	---	---	---	---	---	10-20
Range site number		023XY039NV	023XY039NV	None	None	023XY039NV	023XY039NV	023XY037NV
Potential production (lb/acre):								
Favorable years		900	900	---	---	900	900	700
Normal years		700	700	---	---	700	700	600
Unfavorable years		500	500	---	---	500	500	400

513-Bucklake-Reywat association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Bucklake	Reywat	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	20-40	20-50	---
Thurber needlegrass	STH2	10-20	10-20	20-40	2-5	10-20	---
Basin wildrye	ELCI2	2-10	2-10	2-5	10-20	---	65-75
Webber ricegrass	STWE	---	---	2-8	---	---	---
Indian ricegrass	ORHY	---	---	5-15	---	---	---
Sandberg bluegrass	POSE	---	---	2-5	---	---	---
Canby bluegrass	POCA	---	---	---	2-5	---	---
Bluegrass	POA++	---	---	---	---	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Antelope bitterbrush	PUR2	2-5	2-5	---	2-10	---	---
Big sagebrush	ARTR2	10-20	10-20	---	---	---	---
Spiny hopsage	GRSP	---	---	2-5	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	15-25	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	---	---
Low sagebrush	ARAR8	---	---	---	---	10-20	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	1-3

Range site number	023XY039NV	023XY039NV	023XY006NV	023XY041NV	023XY031NV	023XY009NV
Potential production (lb/acre):						
Favorable years	900	900	800	1,400	900	5,500
Normal years	700	700	600	1,200	700	4,500
Unfavorable years	500	500	400	900	500	2,500

515-Bucklake-Reywat-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Bucklake	Reywat	Devada	1	2	3
Bluebunch wheatgrass	AGSP	40-60	40-60	20-50	20-35	---	---
Thurber needlegrass	STTH2	10-20	10-20	10-20	---	---	---
Basin wildrye	ELCI2	2-10	2-10	---	5-10	---	---
Bluegrass	POA++	---	---	5-10	5-10	---	5-10
Idaho fescue	FEID	---	---	---	5-10	---	---
Needlegrass	STIPA	---	---	---	2-10	---	---
Tufted hairgrass	DECE	---	---	---	---	---	30-50
Meadow barley	HOBR2	---	---	---	---	---	5-10
Mannagrass	GLYCE	---	---	---	---	---	5-10
Rush	JUNCU	---	---	---	---	---	5-10
Sedge	CAREX	---	---	---	---	---	5-10
Antelope bitterbrush	PUTR2	2-5	2-5	---	15-25	---	---
Big sagebrush	ARTR2	10-20	10-20	---	---	---	---
Low sagebrush	ARAR8	---	---	10-20	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	---	---
Range site number		023XY039NV	023XY039NV	023XY031NV	023XY015NV	None	023XY025NV
Potential production (lb/acre):							
Favorable years		900	900	900	1,500	---	4,000
Normal years		700	700	700	1,200	---	3,000
Unfavorable years		500	500	500	900	---	2,000

517-Bucklake-Softscrabble-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Bucklake	Softscrabble	Devada	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	20-40	20-50	40-60	---	---	---
Thurber needlegrass	STTH2	10-20	2-5	10-20	5-15	20-40	---	---
Basin wildrye	ELCI2	2-10	10-20	---	---	2-5	---	---
Canby bluegrass	POCA	---	2-5	---	---	---	---	---
Bluegrass	POA++	---	---	5-10	2-8	---	---	5-10
Webber ricegrass	STWE	---	---	---	---	2-8	---	---
Indian ricegrass	ORHY	---	---	---	---	5-15	---	---
Sandberg bluegrass	POSE	---	---	---	---	2-5	---	---
Tufted hairgrass	DECE	---	---	---	---	---	---	30-50
Meadow barley	HOB2	---	---	---	---	---	---	5-10
Mannagrass	GLYCE	---	---	---	---	---	---	5-10
Rush	JUNCU	---	---	---	---	---	---	5-10
Sedge	CAREX	---	---	---	---	---	---	5-10
Hooker balsamroot	BAHO	---	---	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---	---	---
Antelope bitterbrush	PUTR2	2-5	2-10	---	---	---	---	---
Big sagebrush	ARTR2	10-20	---	---	---	---	---	---
Mountain big sagebrush	ARVA2	---	5-15	---	---	---	---	---
Low sagebrush	ARAR8	---	---	10-20	---	---	---	---
Sagebrush	ARTEM	---	---	---	10-20	---	---	---
Spiny hopsage	GRSP	---	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	15-25	---	---

Range site number	023XY039NV	023XY041NV	023XY031NV	023XY037NV	023XY006NV	None	023XY025NV
Potential production (lb/acre):							
Favorable years	900	1,400	900	700	800	---	4,000
Normal years	700	1,200	700	600	600	---	3,000
Unfavorable years	500	900	500	400	400	---	2,000

518-Bucklake-Pickup-Wylo association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Bucklake	Pickup	Wylo	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	---	---	---	---
Thurber needlegrass	STTH2	10-20	5-15	5-15	2-5	---	---	20-40
Basin wildrye	ELCI2	2-10	---	---	---	---	---	2-5
Bluegrass	POA++	---	2-8	2-8	---	---	---	---
Indian ricegrass	ORHY	---	---	---	2-8	---	5-10	5-15
Sandberg bluegrass	POSE	---	---	---	10-15	---	---	2-5
Desert needlegrass	STSP3	---	---	---	2-10	---	20-30	---
Bottlebrush squirreltail	SIHY	---	---	---	2-8	---	2-5	---
Webber ricegrass	STWE	---	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	---	2-5	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	---	1-2	1-2	---	---	---	---
Antelope bitterbrush	PUTR2	2-5	---	---	---	---	---	---
Big sagebrush	ARTR2	10-20	---	---	---	---	---	---
Sagebrush	ARTEM	---	10-20	10-20	30-45	---	---	---
Littleleaf horsebrush	TEGL	---	---	---	---	---	10-20	---
Shadscale	ATCO	---	---	---	---	---	5-15	---
Spiny hopsage	GRSP	---	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---	15-25

Range site number	023XY039NV	023XY037NV	023XY037NV	023XY047NV	None	027XY017NV	023XY006NV
Potential production (lb/acre):							
Favorable years	900	700	700	500	---	400	800
Normal years	700	600	600	350	---	200	600
Unfavorable years	500	400	400	200	---	100	400

540-Mazuma complex, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Mazuma loamy fine sand	Mazuma fine sandy loam	1	2	3	4
Needleandthread	STCO4	10-20	---	---	---	---	---
Basin wildrye	ELCI2	2-5	---	---	---	50-60	20-40
Indian ricegrass	ORHY	40-50	---	20-30	---	---	---
Bottlebrush squirreltail	SIHY	---	5-10	---	5-10	---	---
Inland saltgrass	DISPS2	---	---	2-5	---	---	---
Western wheatgrass	AGSM	---	---	---	---	5-15	---
Black greasewood	SAVE4	10-15	15-30	30-50	15-30	2-10	5-15
Winterfat	EULA5	5-10	---	---	---	---	---
Dalea	DALEA	2-5	---	---	---	---	---
Shadscale	ATCO	---	30-50	2-5	30-50	---	---
Seepweed	SUAED	---	2-15	---	2-15	---	---
Bud sagebrush	ARSP5	---	5-15	---	5-15	---	---
Iodinebush	ALOC2	---	---	1-5	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	10-20	2-10
Rubber rabbitbrush	CHNA2	---	---	---	---	2-5	---
Torrey quailbush	ATTO	---	---	---	---	---	30-50

Range site number	027XY012NV	024XY003NV	027XY016NV	024XY003NV	024XY006NV	024XY015NV
Potential production (lb/acre):						
Favorable years	700	600	500	600	1,500	1,500
Normal years	450	450	300	450	1,100	1,200
Unfavorable years	200	300	150	300	600	800

541-Mazuma fine sandy loam, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Mazuma	1	2	3	4
Needleandthread	STCO4	1-3	1-2	---	5-15	---
Bottlebrush squirreltail	SIHY	5-15	2-10	5-10	---	2-5
Indian ricegrass	ORHY	5-15	5-15	---	50-70	10-15
Sandberg bluegrass	POSE	2-5	2-5	---	---	---
Webber ricegrass	STWE	---	---	---	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	2-8
Desert needlegrass	STSP3	---	---	---	---	10-15
Phlox	PHLOX	---	1-4	---	---	---
Globemallow	SPHAE	---	1-4	---	---	---
Eveningprimrose	OENOT	---	1-2	---	---	---
Winterfat	EULA5	2-5	20-40	---	2-5	---
Shadscale	ATCO	30-40	2-5	30-50	---	---
Bud sagebrush	ARSP5	20-30	20-30	5-15	---	---
Spiny hopsage	GRSP	2-5	---	---	1-5	10-25
Black greasewood	SAVE4	---	---	15-30	---	---
Seepweed	SUAED	---	---	2-15	---	---
Nevada dalea	PSPO	---	---	---	1-5	---
Fourwing saltbush	ATCA2	---	---	---	10-20	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	20-30

Range site number	024XY002NV	024XY014NV	024XY003NV	027XY009NV	023XY038NV
Potential production (lb/acre):					
Favorable years	750	400	600	800	600
Normal years	450	300	450	500	450
Unfavorable years	300	200	300	350	300

542-Mazuma-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Mazuma	Ragtown	1	2	3
Bottlebrush squirreltail	SIHY	5-10	---	5-10	---	---
Inland saltgrass	DISPS2	---	5-10	---	2-5	---
Indian ricegrass	ORHY	---	---	---	20-30	---
Black greasewood	SAVE4	15-30	40-60	15-30	30-50	---
Shadscale	ATCO	30-50	2-10	30-50	2-5	---
Seepweed	SUAED	2-15	2-5	2-15	---	---
Bud sagebrush	ARSP5	5-15	---	5-15	---	---
Iodinebush	ALOC2	---	---	---	1-5	---
Range site number		024XY003NV	027XY025NV	024XY003NV	027XY016NV	None
Potential production (lb/acre):						
Favorable years		600	500	600	500	---
Normal years		450	350	450	300	---
Unfavorable years		300	200	300	150	---

543-Mazuma-Swingle association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Mazuma	Swingle	1	2	3	4
Bottlebrush squirreltail	SIHY	5-10	---	---	---	---	2-5
Inland saltgrass	DISPS2	---	5-10	---	---	---	---
Basin wildrye	ELCI2	---	---	20-40	---	50-60	---
Western wheatgrass	AGSM	---	---	---	---	5-15	---
Webber ricegrass	STWE	---	---	---	---	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	2-8
Indian ricegrass	ORHY	---	---	---	---	---	10-15
Desert needlegrass	STSP3	---	---	---	---	---	10-15
Black greasewood	SAVE4	15-30	40-60	5-15	---	2-10	---
Shadscale	ATCO	30-50	2-10	---	---	---	---
Seepweed	SUAED	2-15	2-5	---	---	---	---
Bud sagebrush	ARSP5	5-15	---	---	---	---	---
Torrey quailbush	ATTO	---	---	30-50	---	---	---
Basin big sagebrush	ARTRT*	---	---	2-10	---	10-20	---
Rubber rabbitbrush	CHNA2	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	---	10-25
Range site number		024XY003NV	027XY025NV	024XY015NV	None	024XY006NV	023XY038NV
Potential production (lb/acre):							
Favorable years		600	500	1,500	---	1,500	600
Normal years		450	350	1,200	---	1,100	450
Unfavorable years		300	200	800	---	600	300

545-Mazuma-Davey association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Mazuma	Davey	Mazuma, moderately saline	1	2	3
Needleandthread	STCO4	1-3	---	---	---	---	5-15
Bottlebrush squirreltail	SIHY	5-15	2-10	5-10	---	2-10	2-5
Indian ricegrass	ORHY	5-15	5-15	---	---	10-20	30-40
Sandberg bluegrass	POSE	2-5	2-10	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	---	---	---	---
Western wheatgrass	AGSM	---	---	---	5-15	---	---
Basin wildrye	ELCI2	---	---	---	50-60	---	2-5
Globemallow	SPHAE	---	1-2	---	---	---	---
Tapertip hawksbeard	CRAC2	---	1-2	---	---	---	---
Phlox	PHLOX	---	1-2	---	---	---	---
Winterfat	EULA5	2-5	---	---	---	60-70	---
Shadscale	ATCO	30-40	---	30-50	---	---	---
Bud sagebrush	ARSF5	20-30	---	5-15	---	2-5	---
Spiny hopsage	GRSP	2-5	5-15	---	---	---	5-10
Wyoming big sagebrush	ARTRW*	---	30-35	---	---	---	---
Black greasewood	SAVE4	---	---	15-30	2-10	---	---
Seepweed	SUAED	---	---	2-15	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	10-20	---	10-25
Rubber rabbitbrush	CHNA2	---	---	---	2-5	---	---
Fourwing saltbush	ATCA2	---	---	---	---	---	2-8

Range site number	024XY002NV	024XY020NV	024XY003NV	024XY006NV	024XY004NV	023XY011NV
Potential production (lb/acre):						
Favorable years	750	700	600	1,500	500	800
Normal years	450	450	450	1,100	350	600
Unfavorable years	300	300	300	600	200	300

546-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Mazuma	Mazuma, moderately saline	1	2	3	4
Needleandthread	STCO4	1-3	---	1-3	---	---	---
Bottlebrush squirreltail	SIHY	5-15	5-10	5-15	---	2-5	2-5
Indian ricegrass	ORHY	5-15	---	5-15	---	10-15	---
Sandberg bluegrass	POSE	2-5	---	2-5	---	---	2-8
Inland saltgrass	DISPS2	---	---	---	5-10	---	---
Webber ricegrass	STWE	---	---	---	---	2-5	---
Thurber needlegrass	STTH2	---	---	---	---	2-8	---
Desert needlegrass	STSP3	---	---	---	---	10-15	---
Basin wildrye	ELCI2	---	---	---	---	---	25-35
Western wheatgrass	AGSM	---	---	---	---	---	5-10
Winterfat	EULA5	2-5	---	2-5	---	---	---
Shadscale	ATCO	30-40	30-50	30-40	2-10	---	---
Bud sagebrush	ARSP5	20-30	5-15	20-30	---	---	---
Spiny hopsage	GRSP	2-5	---	2-5	---	10-25	---
Black greasewood	SAVE4	---	15-30	---	40-60	---	---
Seepweed	SUAED	---	2-15	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	20-30	---
Antelope bitterbrush	PUTR2	---	---	---	---	---	5-10
Basin big sagebrush	ARTRT*	---	---	---	---	---	10-20
Rubber rabbitbrush	CHNA2	---	---	---	---	---	2-5

Range site number	024XY002NV	024XY003NV	024XY002NV	027XY025NV	023XY038NV	026XY034NV
Potential production (lb/acre):						
Favorable years	750	600	750	500	600	1,000
Normal years	450	450	450	350	450	800
Unfavorable years	300	300	300	200	300	600

547-Mazuma fine sandy loam, moderately sodic, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Mazuma	1	2	3	4
Bottlebrush squirreltail	SIHY	5-10	5-15	2-5	---	---
Needleandthread	STCO4	---	1-3	---	---	---
Indian ricegrass	ORHY	---	5-15	2-10	---	---
Sandberg bluegrass	POSE	---	2-5	2-5	---	---
Basin wildrye	ELCI2	---	---	10-20	20-40	---
Lupine	LUPIN	---	---	1-2	---	---
Princesplume	STANL	---	---	1-2	---	---
Phlox	PHLOX	---	---	1-2	---	---
Globemallow	SPHAE	---	---	1-2	---	---
Black greasewood	SAVE4	15-30	---	2-10	5-15	---
Shadscale	ATCO	30-50	30-40	---	---	---
Seepweed	SUAED	2-15	---	---	---	---
Bud sagebrush	ARSF5	5-15	20-30	---	---	---
Winterfat	EULA5	---	2-5	---	---	---
Spiny hopsage	GRSP	---	2-5	15-30	---	---
Basin big sagebrush	ARTRT*	---	---	15-25	2-10	---
Rubber rabbitbrush	CHNA2	---	---	2-5	---	---
Anderson peachbrush	PRAN2	---	---	2-10	---	---
Douglas rabbitbrush	CHVI8	---	---	1-2	---	---
Torrey quailbush	ATTO	---	---	---	30-50	---

Range site number	024XY003NV	024XY002NV	024XY041NV	024XY015NV	None
Potential production (lb/acre):					
Favorable years	600	750	1,000	1,500	---
Normal years	450	450	800	1,200	---
Unfavorable years	300	300	600	800	---

548-Mazuma silt loam, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Mazuma	1	2	3
Inland saltgrass	DISPS2	5-10	---	10-25	5-10
Baltic rush	JUBA	---	---	5-10	---
Nuttall alkaligrass	FUAI	---	---	5-10	---
Basin wildrye	ELCI2	---	---	---	5-15
Eriogonum	ERIOG	---	---	2-5	---
Cinquefoil	POTEN	---	---	5-10	---
Thelypody	THELY	---	---	2-5	---
Plantain	PLANT	---	---	2-5	---
Seepweed	SUAED	2-5	---	---	---
Black greasewood	SAVE4	40-60	---	1-5	60-75
Shadscale	ATCO	2-10	---	---	---
Alkali rabbitbrush	CHAL9	---	---	20-35	---
Rubber rabbitbrush	CHNA2	---	---	1-5	---
Range site number		027XY025NV	None	024XY044NV	024XY011NV
Potential production (lb/acre):					
Favorable years		500	---	350	500
Normal years		350	---	225	350
Unfavorable years		200	---	150	200

549-Mazuma-Smaug association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Mazuma	Smaug	1	2	3
Indian ricegrass	ORHY	10-20	10-20	10-20	50-70	15-25
Desert needlegrass	STSP3	1-5	1-5	1-5	---	---
Bottlebrush squirreldtail	SIHY	5-10	5-10	5-10	---	---
Needleandthread	STCO4	---	---	---	5-15	---
Basin wildrye	ELCI2	---	---	---	---	5-15
Shadscale	ATCO	25-35	25-35	25-35	---	---
Bud sagebrush	ARSP5	2-10	2-10	2-10	---	---
Winterfat	EULA5	1-5	1-5	1-5	2-5	---
Bailey greasewood	SAVEB	15-25	15-25	15-25	---	---
Nevada dalea	PSPO	---	---	---	1-5	---
Spiny hopsage	GRSP	---	---	---	1-5	10-20
Fourwing saltbush	ATCA2	---	---	---	10-20	---
Big sagebrush	ARTR2	---	---	---	---	20-30
Rabbitbrush	CHRY9	---	---	---	---	2-10

Range site number	027XY018NV	027XY018NV	027XY018NV	027XY009NV	027XY029NV
Potential production (lb/acre):					
Favorable years	500	500	500	800	800
Normal years	350	350	350	500	500
Unfavorable years	200	200	200	350	300

560-Toulon-Mazuma-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Toulo	Mazuma	Hawsley	1	2	3	4
Needleandthread	STCO4	1-3	10-20	5-15	1-3	---	1-3	---
Bottlebrush squirreltail	SIHY	5-15	---	---	5-15	2-10	5-15	---
Indian ricegrass	ORHY	5-15	40-50	50-70	5-15	5-15	5-15	---
Sandberg bluegrass	POSE	2-5	---	---	2-5	2-10	2-5	---
Basin wildrye	ELCI2	---	2-5	---	---	---	---	50-60
Thurber needlegrass	STTH2	---	---	---	---	10-20	---	---
Western wheatgrass	AGSM	---	---	---	---	---	---	5-15
Globemallow	SPHAE	---	---	---	---	1-2	---	---
Tapertip hawksbeard	CRAC2	---	---	---	---	1-2	---	---
Phlox	PHLOX	---	---	---	---	1-2	---	---
Winterfat	EULA5	2-5	5-10	2-5	2-5	---	2-5	---
Shadscale	ATCO	30-40	---	---	30-40	---	30-40	---
Bud sagebrush	ARSP5	20-30	---	---	20-30	---	20-30	---
Spiny hopsage	GRSP	2-5	---	1-5	2-5	5-15	2-5	---
Black greasewood	SAVE4	---	10-15	---	---	---	---	2-10
Dalea	DALEA	---	2-5	---	---	---	---	---
Nevada dalea	PSPO	---	---	1-5	---	---	---	---
Fourwing saltbush	ATCA2	---	---	10-20	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	30-35	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	10-20
Rubber rabbitbrush	CHNA2	---	---	---	---	---	---	2-5

Range site number	024XY002NV	027XY012NV	027XY009NV	024XY002NV	024XY020NV	024XY002NV	024XY006NV
Potential production (lb/acre):							
Favorable years	750	700	800	750	700	750	1,500
Normal years	450	450	500	450	450	450	1,100
Unfavorable years	300	200	350	300	300	300	600

561-Toulon-Trocken-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Toulon	Trocken	Mazuma	1	2	3
Needleandthread	STCO4	1-3	1-2	1-3	---	5-15	---
Bottlebrush squirreltail	SIHY	5-15	2-10	5-15	2-10	---	2-5
Indian ricegrass	ORHY	5-15	5-15	5-15	10-20	50-70	10-15
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	---
Webber ricegrass	STWE	---	---	---	---	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	2-8
Desert needlegrass	STSP3	---	---	---	---	---	10-15
Phlox	PHLOX	---	1-4	---	---	---	---
Globemallow	SPHAE	---	1-4	---	---	---	---
Eveningprimrose	OENOT	---	1-2	---	---	---	---
Winterfat	EULA5	2-5	20-40	2-5	60-70	2-5	---
Shadscale	ATCO	30-40	2-5	30-40	---	---	---
Bud sagebrush	ARSF5	20-30	20-30	20-30	2-5	---	---
Spiny hopsage	GRSP	2-5	---	2-5	---	1-5	10-25
Nevada dalea	PSPO	---	---	---	---	1-5	---
Fourwing saltbush	ATCA2	---	---	---	---	10-20	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	20-30

Range site number	024XY002NV	024XY014NV	024XY002NV	024XY004NV	027XY009NV	023XY038NV
Potential production (lb/acre):						
Favorable years	750	400	750	500	800	600
Normal years	450	300	450	350	500	450
Unfavorable years	300	200	300	200	350	300

580-Verdico-Corral association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Verdico	Corral	1	2	3	4
Indian ricegrass	ORHY	2-8	5-15	---	2-8	2-8	---
Sandberg bluegrass	POSE	10-15	2-5	---	10-15	10-15	---
Desert needlegrass	STSP3	2-10	---	---	2-10	2-10	---
Bottlebrush squirreltail	SIHY	2-8	---	---	2-8	2-8	---
Thurber needlegrass	STTH2	2-5	20-40	---	2-5	2-5	---
Webber ricegrass	STWE	---	2-8	---	---	---	---
Basin wildrye	ELCI2	---	2-5	---	---	---	---
Inland saltgrass	DISPS2	---	---	---	---	---	5-10
Sagebrush	ARTEM	30-45	---	---	30-45	30-45	---
Spiny hopsage	GRSP	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	15-25	---	---	---	---
Seepweed	SUAED	---	---	---	---	---	2-5
Black greasewood	SAVE4	---	---	---	---	---	40-60
Shadscale	ATCO	---	---	---	---	---	2-10
Range site number		023XY047NV	023XY006NV	None	023XY047NV	023XY047NV	027XY025NV
Potential production (lb/acre):							
Favorable years		500	800	---	500	500	500
Normal years		350	600	---	350	350	350
Unfavorable years		200	400	---	200	200	200

581-Verdico-Chalco association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Verdico	Chalco	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	---	---	40-60	---
Bluegrass	POA++	2-8	2-8	---	---	2-8	---
Thurber needlegrass	STTH2	5-15	5-15	---	2-5	5-15	5-10
Bottlebrush squirreltail	SIHY	---	---	---	5-10	---	2-5
Desert needlegrass	STSP3	---	---	---	15-25	---	---
Sandberg bluegrass	POSE	---	---	---	---	---	20-30
Hooker balsamroot	BAHO	2-5	2-5	---	---	2-5	---
Tapertip hawksbeard	CRAC2	1-2	1-2	---	---	1-2	---
Sagebrush	ARTEM	10-20	10-20	---	---	10-20	---
Green ephedra	EPVI	---	---	---	5-15	---	---
Spiny hopsage	GRSP	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	15-20	---	---
Douglas rabbitbrush	CHVI8	---	---	---	2-5	---	---
Rabbitbrush	CHRYS9	---	---	---	---	---	2-8
Low sagebrush	ARAR8	---	---	---	---	---	35-50

Range site number	023XY037NV	023XY037NV	None	026XY022NV	023XY037NV	023XY044NV
Potential production (lb/acre):						
Favorable years	700	700	---	600	700	450
Normal years	600	600	---	450	600	300
Unfavorable years	400	400	---	300	400	200

590-Bufferan stony loam, 2 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Bufferan	1	2	3	4
Thurber needlegrass	STTH2	20-40	2-5	20-40	---	---
Webber ricegrass	STWE	2-8	---	2-8	---	---
Indian ricegrass	ORHY	5-15	2-8	5-15	2-8	---
Sandberg bluegrass	POSE	2-5	10-15	2-5	---	---
Basin wildrye	ELCI2	2-5	---	2-5	---	---
Desert needlegrass	STSP3	---	2-10	---	15-25	---
Bottlebrush squirreltail	SIHY	---	2-8	---	---	---
Bluebunch wheatgrass	AGSP	---	---	---	5-15	---
Spiny hopsage	GRSP	2-5	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	15-25	---	15-25	5-15	---
Sagebrush	ARTEM	---	30-45	---	---	---
Purple sage	SADOC2	---	---	---	10-20	---
Ephedra	EPHED	---	---	---	2-8	---
Range site number		023XY006NV	023XY047NV	023XY006NV	023XY030NV	None
Potential production (lb/acre):						
Favorable years		800	500	800	500	---
Normal years		600	350	600	300	---
Unfavorable years		400	200	400	150	---

591-Bufferan-Bombadil-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Bufferan	Bombadil	Rock outcrop	1	2
Thurber needlegrass	STTH2	20-40	20-40	---	2-5	2-5
Webber ricegrass	STWE	2-8	2-8	---	---	---
Indian ricegrass	ORHY	5-15	5-15	---	2-8	2-8
Sandberg bluegrass	POSE	2-5	2-5	---	10-15	10-15
Basin wildrye	ELCI2	2-5	2-5	---	---	---
Desert needlegrass	STSP3	---	---	---	2-10	2-10
Bottlebrush squirreltail	SIHY	---	---	---	2-8	2-8
Spiny hopsage	GRSP	2-5	2-5	---	---	---
Wyoming big sagebrush	ARTRW*	15-25	15-25	---	---	---
Sagebrush	ARTEM	---	---	---	30-45	30-45
Range site number		023XY006NV	023XY006NV	None	023XY047NV	023XY047NV
Potential production (lb/acre):						
Favorable years		800	800	---	500	500
Normal years		600	600	---	350	350
Unfavorable years		400	400	---	200	200

592-Bufferan-Corral association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Bufferan	Corral	1	2	3	4
Thurber needlegrass	STTH2	20-40	20-40	20-40	2-5	---	---
Webber ricegrass	STWE	2-8	2-8	2-8	---	---	---
Indian ricegrass	ORHY	5-15	5-15	5-15	2-8	5-15	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	10-15	2-5	---
Basin wildrye	ELCI2	2-5	2-5	2-5	---	---	---
Desert needlegrass	STSP3	---	---	---	2-10	---	---
Bottlebrush squirreltail	SIHY	---	---	---	2-8	5-15	---
Needleandthread	STCO4	---	---	---	---	1-3	---
Spiny hopsage	GRSP	2-5	2-5	2-5	---	2-5	---
Wyoming big sagebrush	ARTRW*	15-25	15-25	15-25	---	---	---
Sagebrush	ARTEM	---	---	---	30-45	---	---
Winterfat	EULA5	---	---	---	---	2-5	---
Shadscale	ATCO	---	---	---	---	30-40	---
Bud sagebrush	ARSP5	---	---	---	---	20-30	---

Range site number	023XY006NV	023XY006NV	023XY006NV	023XY047NV	024XY002NV	None
Potential production (lb/acre):						
Favorable years	800	800	800	500	750	---
Normal years	600	600	600	350	450	---
Unfavorable years	400	400	400	200	300	---

610-Haybourne-Mottsville-Incy association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Haybourne	Mottsville	Incy	1	2	3
Needleandthread	STCO4	15-20	15-20	20-30	15-20	---	---
Needlegrass	STIPA	5-15	---	---	---	---	---
Bottlebrush squirreltail	SIHY	5-10	2-5	---	2-5	---	---
Indian ricegrass	ORHY	15-20	10-15	10-15	10-15	---	---
Desert needlegrass	STSP3	---	2-5	5-10	2-5	---	---
Bluebunch wheatgrass	AGSP	---	---	---	---	30-40	30-40
Thurber needlegrass	STTH2	---	---	---	---	15-20	15-20
Basin wildrye	ELCI2	---	---	---	---	5-10	5-10
Canby bluegrass	POCA	---	---	---	---	2-5	2-5
Eriogonum	ERIOG	---	1-3	---	1-3	---	---
Scarlet globemallow	SFCO	---	1-3	1-2	1-3	---	---
Rockcress	ARABI2	---	---	1-2	---	---	---
Ephedra	EPHED	2-5	---	---	---	---	---
Spiny hopsage	GRSP	2-5	---	2-5	---	---	---
Anderson peachbrush	PRAN2	2-5	---	5-10	---	---	---
Big sagebrush	ARTR2	5-10	---	---	---	15-20	15-20
Mountain big sagebrush	ARVA2	---	5-10	---	5-10	---	---
Antelope bitterbrush	PUTR2	---	15-20	15-25	15-20	2-10	2-10
Spineless horsebrush	TECA2	---	2-5	---	2-5	---	---
Rubber rabbitbrush	CHNA2	---	---	2-5	---	---	---
Green ephedra	EPVI	---	---	2-5	---	---	---
Rabbitbrush	CHRY9	---	---	---	---	2-5	2-5

Range site number	026XY020NV	026XY008NV	026XY014NV	026XY008NV	023XY020NV	023XY020NV
Potential production (lb/acre):						
Favorable years	800	1,000	800	1,000	1,100	1,100
Normal years	600	800	700	800	900	900
Unfavorable years	400	600	600	600	600	600

611-Haybourne-Zorravista-Fulstone association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Haybourne	Zorravista	Fulstone	1	2	3	4
Thurber needlegrass	STTH2	20-40	---	2-5	2-5	10-25	---	---
Webber ricegrass	STWE	2-8	---	---	---	---	---	---
Indian ricegrass	ORHY	5-15	30-40	2-8	2-8	---	---	10-20
Sandberg bluegrass	POSE	2-5	---	10-15	10-15	---	---	---
Basin wildrye	ELCI2	2-5	2-5	---	---	20-30	40-60	---
Needleandthread	STCO4	---	5-15	---	---	---	---	---
Bottlebrush squirreltail	SIHY	---	2-5	2-8	2-8	---	---	2-10
Desert needlegrass	STSP3	---	---	2-10	2-10	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10	---
Thelypody	THELY	---	---	---	---	---	1-3	---
Povertyweed	IVAX	---	---	---	---	---	2-5	---
Spiny hopsage	GRSP	2-5	5-10	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW*	15-25	---	---	---	---	---	---
Basin big sagebrush	ARTRT*	---	10-25	---	---	---	5-15	---
Fourwing saltbush	ATCA2	---	2-8	---	---	---	---	---
Sagebrush	ARTEM	---	---	30-45	30-45	---	---	---
Black greasewood	SAVE4	---	---	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	---	---	15-25	---	---
Winterfat	EULA5	---	---	---	---	---	---	60-70
Bud sagebrush	ARSP5	---	---	---	---	---	---	2-5

Range site number	023XY006NV	023XY011NV	023XY047NV	023XY047NV	023XY040NV	023XY005NV	024XY004NV
Potential production (lb/acre):							
Favorable years	800	800	500	500	1,000	3,000	500
Normal years	600	600	350	350	800	2,000	350
Unfavorable years	400	300	200	200	600	1,300	200

614-Haybourne loamy sand, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Haybourne	1	2	3
Needleandthread	STCO4	15-20	---	1-3	---
Needlegrass	STIPA	5-15	---	---	---
Bottlebrush squirreltail	SIHY	5-10	---	5-15	2-5
Indian ricegrass	ORHY	15-20	5-15	5-15	10-15
Thurber needlegrass	STTH2	---	20-40	---	2-8
Webber ricegrass	STWE	---	2-8	---	2-5
Sandberg bluegrass	POSE	---	2-5	2-5	---
Basin wildrye	ELCI2	---	2-5	---	---
Desert needlegrass	STSP3	---	---	---	10-15
Ephedra	EPHED	2-5	---	---	---
Spiny hopsage	GRSP	2-5	2-5	2-5	10-25
Anderson peachbrush	FRAN2	2-5	---	---	---
Big sagebrush	ARTR2	5-10	---	---	---
Wyoming big sagebrush	ARTRW*	---	15-25	---	20-30
Winterfat	EULA5	---	---	2-5	---
Shadscale	ATCO	---	---	30-40	---
Bud sagebrush	ARSP5	---	---	20-30	---

Range site number	026XY020NV	023XY006NV	024XY002NV	023XY038NV
Potential production (lb/acre):				
Favorable years	800	800	750	600
Normal years	600	600	450	450
Unfavorable years	400	400	300	300

615-Haybourne-Dun Glen association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Haybourne	Dun Glen	1	2	3
Thurber needlegrass	STTH2	20-40	---	10-25	2-5	---
Webber ricegrass	STWE	2-8	---	---	---	---
Indian ricegrass	ORHY	5-15	5-15	---	2-8	---
Sandberg bluegrass	POSE	2-5	2-5	---	10-15	---
Basin wildrye	ELCI2	2-5	---	20-30	---	1-5
Needleandthread	STCO4	---	1-3	---	---	---
Bottlebrush squirreltail	SIHY	---	5-15	---	2-8	---
Desert needlegrass	STSP3	---	---	---	2-10	---
Western wheatgrass	AGSM	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	1-5
Creeping wildrye	ELTR3	---	---	---	---	1-5
Sedge	CAREX	---	---	---	---	1-5
Rush	JUNCU	---	---	---	---	1-5
Spiny hopsage	GRSP	2-5	2-5	5-10	---	---
Wyoming big sagebrush	ARTRW*	15-25	---	---	---	---
Winterfat	EULA5	---	2-5	---	---	---
Shadscale	ATCO	---	30-40	---	---	---
Bud sagebrush	ARSP5	---	20-30	---	---	---
Black greasewood	SAVE4	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	15-25	---	---
Sagebrush	ARTEM	---	---	---	30-45	---
Basin big sagebrush	ARTRT*	---	---	---	---	1-5
Woods rose	ROWO	---	---	---	---	1-5
Willow	SALIX	---	---	---	---	1-5
Fremont cottonwood	POFR2	---	---	---	---	1-5

Range site number	023XY006NV	024XY002NV	023XY040NV	023XY047NV	023XY034NV
Potential production (lb/acre):					
Favorable years	800	750	1,000	500	3,000
Normal years	600	450	800	350	2,500
Unfavorable years	400	300	600	200	1,500

616-Haybourne sandy loam, 2 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Haybourne	1	2	3	4
Webber ricegrass	STWE	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	2-8	2-8	---	2-8	2-5
Indian ricegrass	ORHY	10-15	10-15	15-20	10-15	2-8
Desert needlegrass	STSP3	10-15	10-15	---	10-15	2-10
Bottlebrush squirreltail	SIHY	2-5	2-5	5-10	2-5	2-8
Needleandthread	STCO4	---	---	15-20	---	---
Needlegrass	STIPA	---	---	5-15	---	---
Sandberg bluegrass	POSE	---	---	---	---	10-15
Wyoming big sagebrush	ARTRW*	20-30	20-30	---	20-30	---
Spiny hopsage	GRSP	10-25	10-25	2-5	10-25	---
Ephedra	EPHED	---	---	2-5	---	---
Anderson peachbrush	PRAN2	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	5-10	---	---
Sagebrush	ARTEM	---	---	---	---	30-45

Range site number	023XY038NV	023XY038NV	026XY020NV	023XY038NV	023XY047NV
Potential production (lb/acre):					
Favorable years	600	600	800	600	500
Normal years	450	450	600	450	350
Unfavorable years	300	300	400	300	200

620-Leviathan-Barnard association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Leviathan	Barnard	1	2
Bluebunch wheatgrass	AGSP	30-40	30-40	30-40	---
Thurber needlegrass	STTH2	15-20	15-20	15-20	---
Basin wildrye	ELCI2	5-10	5-10	5-10	---
Canby bluegrass	POCA	2-5	2-5	2-5	---
Bottlebrush squirreltail	SIHY	---	---	---	2-5
Indian ricegrass	ORHY	---	---	---	10-15
Desert needlegrass	STSP3	---	---	---	2-5
Needleandthread	STCO4	---	---	---	15-20
Eriogonum	ERIOG	---	---	---	1-3
Scarlet globemallow	SPCO	---	---	---	1-3
Antelope bitterbrush	FUTR2	2-10	2-10	2-10	15-20
Rabbitbrush	CHRY9	2-5	2-5	2-5	---
Big sagebrush	ARTR2	15-20	15-20	15-20	---
Mountain big sagebrush	ARVA2	---	---	---	5-10
Spineless horsebrush	TECA2	---	---	---	2-5

Range site number	023XY020NV	023XY020NV	023XY020NV	026XY008NV
Potential production (lb/acre):				
Favorable years	1,100	1,100	1,100	1,000
Normal years	900	900	900	800
Unfavorable years	600	600	600	600

621-Leviathan-Springmeyer-Haybourne association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Leviathan	Springmeyer	Haybourne	1	2	3	4
Bluebunch wheatgrass	AGSP	30-40	30-40	---	---	30-40	30-40	---
Thurber needlegrass	STTH2	15-20	15-20	---	---	15-20	15-20	---
Basin wildrye	ELCI2	5-10	5-10	---	65-75	5-10	5-10	---
Canby bluegrass	POCA	2-5	2-5	---	---	2-5	2-5	---
Needleandthread	STCO4	---	---	15-20	---	---	---	---
Needlegrass	STIPA	---	---	5-15	---	---	---	---
Bottlebrush squirreltail	SIHY	---	---	5-10	---	---	---	---
Indian ricegrass	ORHY	---	---	15-20	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	2-8	---	---	15-25
Sedge	CAREX	---	---	---	---	---	---	5-10
Alpine timothy	PHAL2	---	---	---	---	---	---	10-15
Tufted hairgrass	DECE	---	---	---	---	---	---	20-30
Meadow barley	HOBR2	---	---	---	---	---	---	10-15
Rush	JUNCU	---	---	---	---	---	---	5-10
Antelope bitterbrush	PUTR2	2-10	2-10	---	---	2-10	2-10	---
Rabbitbrush	CHRYS9	2-5	2-5	---	---	2-5	2-5	---
Big sagebrush	ARTR2	15-20	15-20	5-10	---	15-20	15-20	---
Ephedra	EPHED	---	---	2-5	---	---	---	---
Spiny hopsage	GRSP	---	---	2-5	---	---	---	---
Anderson peachbrush	PRAN2	---	---	2-5	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	5-10	---	---	---
Rubber rabbitbrush	CHNA2	---	---	---	1-3	---	---	---
Willow	SALIX	---	---	---	---	---	---	2-5

Range site number	023XY020NV	023XY020NV	026XY020NV	023XY009NV	023XY020NV	023XY020NV	026XY003NV
Potential production (lb/acre):							
Favorable years	1,100	1,100	800	5,500	1,100	1,100	2,000
Normal years	900	900	600	4,500	900	900	1,500
Unfavorable years	600	600	400	2,500	600	600	1,000

622-Leviathan very gravelly loam, 2 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Leviathan	1	2
Bluebunch wheatgrass	AGSP	30-40	---	40-60
Thurber needlegrass	STH2	15-20	---	5-15
Basin wildrye	ELCI2	5-10	5-15	---
Canby bluegrass	POCA	2-5	---	---
Indian ricegrass	ORHY	---	15-25	---
Bluegrass	POA++	---	---	2-8
Hooker balsamroot	BAHO	---	---	2-5
Tapertip hawksbeard	CRAC2	---	---	1-2
Antelope bitterbrush	PUTR2	2-10	---	---
Rabbitbrush	CHRYS9	2-5	2-10	---
Big sagebrush	ARTR2	15-20	20-30	---
Spiny hopsage	GRSP	---	10-20	---
Sagebrush	ARTEM	---	---	10-20

Range site number	023XY020NV	027XY029NV	023XY037NV
Potential production (lb/acre):			
Favorable years	1,100	800	700
Normal years	900	500	600
Unfavorable years	600	300	400

630-Chappuis sandy loam

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Chappuis	1	2
Western wheatgrass	AGSM	5-15	---	5-15
Basin wildrye	ELCI2	50-60	---	50-60
Bottlebrush squirreltail	SIHY	---	5-10	---
Black greasewood	SAVE4	2-10	15-30	2-10
Basin big sagebrush	ARTRT*	10-20	---	10-20
Rubber rabbitbrush	CHNA2	2-5	---	2-5
Shadscale	ATCO	---	30-50	---
Seepweed	SUAED	---	2-15	---
Bud sagebrush	ARSP5	---	5-15	---

Range site number	024XY006NV	024XY003NV	024XY006NV
Potential production (lb/acre):			
Favorable years	1,500	600	1,500
Normal years	1,100	450	1,100
Unfavorable years	600	300	600

702-Graufels-Glenbrook association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Graufels	Glenbrook	1	2	3
Bluebunch wheatgrass	AGSP	40-60	40-60	---	50-70	20-40
Thurber needlegrass	STTH2	10-20	10-20	---	5-10	2-5
Basin wildrye	ELCI2	2-10	2-10	---	2-10	10-20
Canby bluegrass	POCA	---	---	---	---	2-5
Antelope bitterbrush	PUTR2	2-5	2-5	---	2-5	2-10
Big sagebrush	ARTR2	10-20	10-20	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	5-15
Range site number		023XY039NV	023XY039NV	None	023XY016NV	023XY041NV
Potential production (lb/acre):						
Favorable years		900	900	---	1,500	1,400
Normal years		700	700	---	1,100	1,200
Unfavorable years		500	500	---	800	900

710-Thulepah-Hutchley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Thulepah	Hutchley	1	2	3	4
Mountain brome	BRCA5	20-40	---	---	---	1-5	---
Needlegrass	STIPA	10-20	---	---	---	---	---
Basin wildrye	ELCI2	5-10	---	5-15	---	---	2-5
Bluegrass	POA++	5-10	5-15	2-8	---	---	2-8
Idaho fescue	FEID	2-5	10-20	30-40	---	1-5	30-40
Bluebunch wheatgrass	AGSP	---	---	15-35	---	---	20-30
Thurber needlegrass	STTH2	---	---	2-8	---	---	2-5
Nevada bluegrass	PONE3	---	---	---	---	1-5	---
Big squirreltail	SIJU	---	---	---	---	1-5	---
Melic	MELIC	---	---	---	---	1-5	---
Slender wheatgrass	AGTR	---	---	---	---	1-5	---
Goldenweed	HAPLO2	---	2-5	---	---	---	---
Meadowrue	THALI2	---	---	---	---	1-5	---
Snowberry	SYMPH	2-5	---	---	---	1-5	---
Mountain big sagebrush	ARVA2	10-20	---	10-20	---	1-5	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---
Low sagebrush	ARAR8	---	35-45	---	---	---	10-20
Antelope bitterbrush	PUTR2	---	---	2-10	---	---	---
Quaking aspen	POTRT	---	---	---	---	1-5	---

Range site number	023XY019NV	023XY008NV	023XY007NV	None	023XY028NV	023XY017NV
Potential production (lb/acre):						
Favorable years	2,200	400	1,600	---	600	900
Normal years	1,800	250	1,200	---	400	700
Unfavorable years	1,500	200	900	---	250	500

711--Thulepah-Hutchley-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Thulepah	Hutchley	Rock outcrop	1	2	3	4
Idaho fescue	FEID	40-60	10-20	---	---	---	30-40	1-5
Basin wildrye	ELCI2	2-5	---	---	2-10	2-10	2-5	---
Bluebunch wheatgrass	AGSP	5-10	---	---	50-70	40-60	20-30	---
Canby bluegrass	POCA	2-5	---	---	---	---	---	---
Bluegrass	POA++	---	5-15	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	---	5-10	10-20	2-5	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	1-5
Big squirreltail	SIJU	---	---	---	---	---	---	1-5
Melic	MELIC	---	---	---	---	---	---	1-5
Mountain brome	BRCAS	---	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	---	1-5
Lupine	LUPIN	2-5	---	---	---	---	---	---
Arrowleaf balsamroot	BASA3	1-2	---	---	---	---	---	---
Penstemon	PENST	1-2	---	---	---	---	---	---
Horsemint giant hyssop	AGUR	1-2	---	---	---	---	---	---
White stoneseed	LIRU4	2-5	---	---	---	---	---	---
Goldenweed	HAPLO2	---	2-5	---	---	---	---	---
Meadowrue	THALI2	---	---	---	---	---	---	1-5
Snowberry	SYMPH	2-5	---	---	---	---	---	1-5
Mountain big sagebrush	ARVA2	5-15	---	---	5-15	---	---	1-5
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Low sagebrush	ARAR8	---	35-45	---	---	---	10-20	---
Antelope bitterbrush	PUTR2	---	---	---	2-5	2-5	---	---
Big sagebrush	ARTR2	---	---	---	---	10-20	---	---
Quaking aspen	POTRT	---	---	---	---	---	---	1-5

Range site number	023XY054NV	023XY008NV	None	023XY016NV	023XY039NV	023XY017NV	023XY028NV
Potential production (lb/acre):							
Favorable years	1,500	400	---	1,500	900	900	600
Normal years	1,200	250	---	1,100	700	700	400
Unfavorable years	900	200	---	800	500	500	250

721-Softscrabble-Sumine-Hutchley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Softscrabble	Sumine	Hutchley	1	2	3	4
Idaho fescue	FEID	30-40	---	10-20	---	30-40	2-5	---
Bluebunch wheatgrass	AGSP	15-35	50-70	---	---	20-30	---	40-60
Bluegrass	POA++	2-8	---	5-15	---	2-8	5-10	---
Basin wildrye	ELCI2	5-15	2-10	---	---	2-5	5-10	2-10
Thurber needlegrass	STTH2	2-8	5-10	---	---	2-5	---	10-20
Mountain brome	BRCA5	---	---	---	---	---	20-40	---
Needlegrass	STIPA	---	---	---	---	---	10-20	---
Goldenweed	HAPLO2	---	---	2-5	---	---	---	---
Mountain big sagebrush	ARVA2	10-20	5-15	---	---	---	10-20	---
Antelope bitterbrush	PUTR2	2-10	2-5	---	---	---	---	2-5
Douglas rabbitbrush	CHVI8	---	---	2-5	---	---	---	---
Low sagebrush	ARAR8	---	---	35-45	---	10-20	---	---
Snowberry	SYMPH	---	---	---	---	---	2-5	---
Big sagebrush	ARTR2	---	---	---	---	---	---	10-20

Range site number	023XY007NV	023XY016NV	023XY008NV	None	023XY017NV	023XY019NV	023XY039NV
Potential production (lb/acre):							
Favorable years	1,600	1,500	400	---	900	2,200	900
Normal years	1,200	1,100	250	---	700	1,800	700
Unfavorable years	900	800	200	---	500	1,500	500

722-Softscrabble-Bucklake-Indiano association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Softscrabble	Bucklake	Indiano	1	2	3
Bluebunch wheatgrass	AGSP	20-40	40-60	40-60	20-50	---	---
Basin wildrye	ELCI2	10-20	2-10	2-10	---	---	65-75
Canby bluegrass	POCA	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	2-5	10-20	10-20	10-20	---	---
Bluegrass	POA++	---	---	---	5-10	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Mountain big sagebrush	ARVA2	5-15	---	---	---	---	---
Antelope bitterbrush	PUTR2	2-10	2-5	2-5	---	---	---
Big sagebrush	ARTR2	---	10-20	10-20	---	---	---
Low sagebrush	ARAR8	---	---	---	10-20	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	1-3
Range site number		023XY041NV	023XY039NV	023XY039NV	023XY031NV	None	023XY009NV
Potential production (lb/acre):							
Favorable years		1,400	900	900	900	---	5,500
Normal years		1,200	700	700	700	---	4,500
Unfavorable years		900	500	500	500	---	2,500

723-Softscrabble-Hutchley-Thulepah association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Softscrabble	Hutchley	Thulepah	1	2	3	4
Bluebunch wheatgrass	AGSP	20-40	---	---	20-30	40-60	---	---
Basin wildrye	ELCI2	10-20	---	5-10	2-5	2-10	---	---
Canby bluegrass	POCA	2-5	---	---	---	---	---	---
Thurber needlegrass	STTH2	2-5	---	---	2-5	10-20	---	---
Bluegrass	POA++	---	5-15	5-10	2-8	---	---	---
Idaho fescue	FEID	---	10-20	2-5	30-40	---	---	---
Mountain brome	BRCA5	---	---	20-40	---	---	---	---
Needlegrass	STIPA	---	---	10-20	---	---	---	---
Sedge	CAREX	---	---	---	---	---	---	5-10
Alpine timothy	PHAL2	---	---	---	---	---	---	10-15
Tufted hairgrass	DECE	---	---	---	---	---	---	20-30
Nevada bluegrass	PONE3	---	---	---	---	---	---	15-25
Meadow barley	HOBR2	---	---	---	---	---	---	10-15
Rush	JUNCU	---	---	---	---	---	---	5-10
Goldenweed	HAPLO2	---	2-5	---	---	---	---	---
Mountain big sagebrush	ARVA2	5-15	---	10-20	---	---	---	---
Antelope bitterbrush	PUTR2	2-10	---	---	---	2-5	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Low sagebrush	ARAR8	---	35-45	---	10-20	---	---	---
Snowberry	SYMPH	---	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	---	---	---	10-20	---	---
Willow	SALIX	---	---	---	---	---	---	2-5

Range site number	023XY041NV	023XY008NV	023XY019NV	023XY017NV	023XY039NV	None	026XY003NV
Potential production (lb/acre):							
Favorable years	1,400	400	2,200	900	900	---	2,000
Normal years	1,200	250	1,800	700	700	---	1,500
Unfavorable years	900	200	1,500	500	500	---	1,000

725-Softscrabble-Sumine-Prunie association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Softscrabble	Sumine	Prunie	1	2	3
Bluebunch wheatgrass	AGSP	20-40	50-70	20-30	---	---	---
Basin wildrye	ELCI2	10-20	2-10	2-5	---	---	---
Canby bluegrass	POCA	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	2-5	5-10	2-5	---	---	---
Idaho fescue	FEID	---	---	30-40	---	10-20	---
Bluegrass	POA++	---	---	2-8	---	5-15	---
Sedge	CAREX	---	---	---	---	---	5-10
Alpine timothy	PHAL2	---	---	---	---	---	10-15
Tufted hairgrass	DECE	---	---	---	---	---	20-30
Nevada bluegrass	PONE3	---	---	---	---	---	15-25
Meadow barley	HOBR2	---	---	---	---	---	10-15
Rush	JUNCU	---	---	---	---	---	5-10
Goldenweed	HAPLO2	---	---	---	---	2-5	---
Mountain big sagebrush	ARVA2	5-15	5-15	---	---	---	---
Antelope bitterbrush	PUTR2	2-10	2-5	---	---	---	---
Low sagebrush	ARAR8	---	---	10-20	---	35-45	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5	---
Willow	SALIX	---	---	---	---	---	2-5

Range site number	023XY041NV	023XY016NV	023XY017NV	None	023XY008NV	026XY003NV
Potential production (lb/acre):						
Favorable years	1,400	1,500	900	---	400	2,000
Normal years	1,200	1,100	700	---	250	1,500
Unfavorable years	900	800	500	---	200	1,000

726-Softscrabble-Dosie-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Softscrabble	Dosie	Devada	1	2	3	4
Idaho fescue	FEID	30-40	---	---	---	---	---	---
Bluebunch wheatgrass	AGSP	15-35	50-70	20-50	---	---	---	---
Bluegrass	POA++	2-8	---	5-10	---	---	1-5	---
Basin wildrye	ELCI2	5-15	2-10	---	---	---	---	---
Thurber needlegrass	STTH2	2-8	5-10	10-20	---	---	1-5	---
Sandberg bluegrass	POSE	---	---	---	30-45	---	---	---
Webber ricegrass	STWE	---	---	---	2-5	---	1-5	---
Bottlebrush squirreltail	SIHY	---	---	---	---	---	1-5	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	40-50
Creeping wildrye	ELTR3	---	---	---	---	---	---	2-5
Sedge	CAREX	---	---	---	---	---	---	5-15
Mat muhly	MURI	---	---	---	---	---	---	2-5
Meadow barley	HOBR2	---	---	---	---	---	---	2-5
Slender wheatgrass	AGTR	---	---	---	---	---	---	2-5
Rush	JUNCU	---	---	---	---	---	---	2-5
Hooker balsamroot	BAHO	---	---	---	---	---	1-5	---
Mountain big sagebrush	ARVA2	10-20	5-15	---	---	---	---	---
Antelope bitterbrush	PUTR2	2-10	2-5	---	---	---	1-5	---
Low sagebrush	ARAR8	---	---	10-20	30-45	---	1-5	---
Purple sage	SADOC2	---	---	---	---	---	1-5	---
Utah juniper	JUOS	---	---	---	---	---	1-5	---

Range site number	023XY007NV	023XY016NV	023XY031NV	023XY021NV	None	023XY035NV	023XY013NV
Potential production (lb/acre):							
Favorable years	1,600	1,500	900	300	---	450	2,200
Normal years	1,200	1,100	700	200	---	350	1,700
Unfavorable years	900	800	500	150	---	250	1,300

727-Softscrabble-Hart Camp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Softscrabble	Hart Camp	1	2	3	4
Bluebunch wheatgrass	AGSP	20-40	20-35	20-50	---	50-70	---
Basin wildrye	ELCI2	10-20	5-10	---	---	2-10	---
Canby bluegrass	POCA	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	2-5	---	10-20	---	5-10	---
Idaho fescue	FEID	---	5-10	---	---	---	---
Bluegrass	POA++	---	5-10	5-10	---	---	---
Needlegrass	STIPA	---	2-10	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	40-50	---	---
Creeping wildrye	ELTR3	---	---	---	2-5	---	---
Sedge	CAREX	---	---	---	5-15	---	---
Mat muhly	MURI	---	---	---	2-5	---	---
Meadow barley	HOBR2	---	---	---	2-5	---	---
Slender wheatgrass	AGTR	---	---	---	2-5	---	---
Rush	JUNCU	---	---	---	2-5	---	---
Mountain big sagebrush	ARVA2	5-15	5-15	---	---	5-15	---
Antelope bitterbrush	PUTR2	2-10	15-25	---	---	2-5	---
Low sagebrush	ARAR8	---	---	10-20	---	---	---

Range site number	023XY041NV	023XY015NV	023XY031NV	023XY013NV	023XY016NV	None
Potential production (lb/acre):						
Favorable years	1,400	1,500	900	2,200	1,500	---
Normal years	1,200	1,200	700	1,700	1,100	---
Unfavorable years	900	900	500	1,300	800	---

728-Softscrabble-Hutchley-Burnborough association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Softscrabble	Hutchley	Burnborough	1	2	3	4
Bluebunch wheatgrass	AGSP	20-40	---	20-40	20-30	---	---	20-30
Basin wildrye	ELCI2	10-20	---	10-20	---	5-10	---	2-5
Canby bluegrass	POCA	2-5	---	2-5	---	---	---	---
Thurber needlegrass	STTH2	2-5	---	2-5	---	---	---	2-5
Bluegrass	POA++	---	5-15	---	---	5-10	---	2-8
Idaho fescue	FEID	---	10-20	---	---	2-5	---	30-40
Needlegrass	STIPA	---	---	---	5-15	10-20	---	---
Muttongrass	POFE	---	---	---	2-8	---	---	---
Mountain brome	BRCA5	---	---	---	---	20-40	---	---
Goldenweed	HAPLO2	---	2-5	---	---	---	---	---
Mountain big sagebrush	ARVA2	5-15	---	5-15	15-25	10-20	---	---
Antelope bitterbrush	PUTR2	2-10	---	2-10	---	---	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Low sagebrush	ARAR8	---	35-45	---	---	---	---	10-20
Snowberry	SYMPH	---	---	---	2-8	2-5	---	---
Curlleaf mountainmahogany	CELE3	---	---	---	15-25	---	---	---

Range site number	023XY041NV	023XY008NV	023XY041NV	023XY069NV	023XY019NV	None	023XY017NV
Potential production (lb/acre):							
Favorable years	1,400	400	1,400	1,000	2,200	---	900
Normal years	1,200	250	1,200	800	1,800	---	700
Unfavorable years	900	200	900	600	1,500	---	500

729-Softscrabble-Dosie-Hutchley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Softscrabble	Dosie	Hutchley	1	2	3	4
Idaho fescue	FEID	30-40	---	10-20	---	---	1-5	---
Bluebunch wheatgrass	AGSP	15-35	50-70	---	---	40-60	---	20-30
Bluegrass	POA++	2-8	---	5-15	---	2-8	---	---
Basin wildrye	ELCI2	5-15	2-10	---	---	---	---	---
Thurber needlegrass	STTH2	2-8	5-10	---	---	5-15	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	1-5	---
Big squirreltail	SIJU	---	---	---	---	---	1-5	---
Melic	MELIC	---	---	---	---	---	1-5	---
Mountain brome	BRCA5	---	---	---	---	---	1-5	---
Slender wheatgrass	AGTR	---	---	---	---	---	1-5	---
Needlegrass	STIPA	---	---	---	---	---	---	5-15
Muttongrass	POFE	---	---	---	---	---	---	2-8
Goldenweed	HAPLO2	---	---	2-5	---	---	---	---
Hooker balsamroot	BAHO	---	---	---	---	2-5	---	---
Tapertip hawksbeard	CRAC2	---	---	---	---	1-2	---	---
Meadowrue	THALI2	---	---	---	---	---	1-5	---
Mountain big sagebrush	ARVA2	10-20	5-15	---	---	---	1-5	15-25
Antelope bitterbrush	PUTR2	2-10	2-5	---	---	---	---	---
Douglas rabbitbrush	CHVI8	---	---	2-5	---	---	---	---
Low sagebrush	ARAR8	---	---	35-45	---	---	---	---
Sagebrush	ARTEM	---	---	---	---	10-20	---	---
Snowberry	SYMPH	---	---	---	---	---	1-5	2-8
Quaking aspen	POTRT	---	---	---	---	---	1-5	---
Curleaf mountainmahogany	CELE3	---	---	---	---	---	---	15-25

Range site number	023XY007NV	023XY016NV	023XY008NV	None	023XY037NV	023XY028NV	023XY069NV
Potential production (lb/acre):							
Favorable years	1,600	1,500	400	---	700	600	1,000
Normal years	1,200	1,100	250	---	600	400	800
Unfavorable years	900	800	200	---	400	250	600

730-Arzo-Indiano-Barnard association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Arzo	Indiano	Barnard	1	2	3	4
Bluebunch wheatgrass	AGSP	30-40	40-60	30-40	40-60	30-40	---	---
Thurber needlegrass	STTH2	15-20	10-20	15-20	10-20	15-20	---	---
Basin wildrye	ELCI2	5-10	2-10	5-10	2-10	5-10	---	65-75
Canby bluegrass	POCA	2-5	---	2-5	---	2-5	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	2-8
Antelope bitterbrush	PUTR2	2-10	2-5	2-10	2-5	2-10	---	---
Rabbitbrush	CHRY89	2-5	---	2-5	---	2-5	---	---
Big sagebrush	ARTR2	15-20	10-20	15-20	10-20	15-20	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	---	1-3

Range site number	023XY020NV	023XY039NV	023XY020NV	023XY039NV	023XY020NV	None	023XY009NV
Potential production (lb/acre):							
Favorable years	1,100	900	1,100	900	1,100	---	5,500
Normal years	900	700	900	700	900	---	4,500
Unfavorable years	600	500	600	500	600	---	2,500

750-Gitakup-Tresed-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Gitakup	Tresed	Ragtown	1	2	3
Needleandthread	STCO4	1-3	---	---	---	---	---
Bottlebrush squirreltail	SIHY	5-15	5-10	---	---	---	---
Indian ricegrass	ORHY	5-15	---	---	---	20-30	---
Sandberg bluegrass	POSE	2-5	---	---	---	---	---
Inland saltgrass	DISPS2	---	---	5-10	---	2-5	---
Basin wildrye	ELCI2	---	---	---	---	---	65-75
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Winterfat	EULA5	2-5	---	---	---	---	---
Shadscale	ATCO	30-40	30-50	2-10	---	2-5	---
Bud sagebrush	ARSP5	20-30	5-15	---	---	---	---
Spiny hopsage	GRSP	2-5	---	---	---	---	---
Black greasewood	SAVE4	---	15-30	40-60	---	30-50	---
Seepweed	SUAED	---	2-15	2-5	---	---	---
Iodinebush	ALOC2	---	---	---	---	1-5	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	1-3

Range site number	024XY002NV	024XY003NV	027XY025NV	None	027XY016NV	023XY009NV
Potential production (lb/acre):						
Favorable years	750	600	500	---	500	5,500
Normal years	450	450	350	---	300	4,500
Unfavorable years	300	300	200	---	150	2,500

760-Ganaflan-Smaug-Trocken association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Ganaflan	Smaug	Trocken	1	2	3	4
Needleandthread	STCO4	1-3	---	1-2	---	5-15	---	---
Bottlebrush squirreltail	SIHY	5-15	2-10	2-10	2-5	---	---	---
Indian ricegrass	ORHY	5-15	10-20	5-15	10-15	50-70	---	---
Sandberg bluegrass	POSE	2-5	---	2-5	---	---	---	---
Webber ricegrass	STWE	---	---	---	2-5	---	---	---
Thurber needlegrass	STTH2	---	---	---	2-8	---	---	---
Desert needlegrass	STSP3	---	---	---	10-15	---	---	---
Phlox	PHLOX	---	---	1-4	---	---	---	---
Globemallow	SPHAE	---	---	1-4	---	---	---	---
Eveningprimrose	OENOT	---	---	1-2	---	---	---	---
Winterfat	EULA5	2-5	60-70	20-40	---	2-5	---	---
Shadscale	ATCO	30-40	---	2-5	---	---	---	---
Bud sagebrush	ARSP5	20-30	2-5	20-30	---	---	---	---
Spiny hopsage	GRSP	2-5	---	---	10-25	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---	---	---
Nevada dalea	PSPO	---	---	---	---	1-5	---	---
Fourwing saltbush	ATCA2	---	---	---	---	10-20	---	---
Range site number		024XY002NV	024XY004NV	024XY014NV	023XY038NV	027XY009NV	None	None
Potential production (lb/acre):								
Favorable years		750	500	400	600	800	---	---
Normal years		450	350	300	450	500	---	---
Unfavorable years		300	200	200	300	350	---	---

770-Tresed-Gitakup-Playas complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Tresed	Gitakup	Playas	1	2	3	4
Bottlebrush squirreltail	SIHY	5-10	5-15	---	---	---	5-10	---
Needleandthread	STCO4	---	1-3	---	---	5-15	---	---
Indian ricegrass	ORHY	---	5-15	---	20-30	50-70	---	---
Sandberg bluegrass	POSE	---	2-5	---	---	---	---	---
Inland saltgrass	DISPS2	---	---	---	2-5	---	---	---
Basin wildrye	ELCI2	---	---	---	---	---	---	65-75
Nevada bluegrass	PONE3	---	---	---	---	---	---	2-8
Black greasewood	SAVE4	15-30	---	---	30-50	---	15-30	---
Shadscale	ATCO	30-50	30-40	---	2-5	---	30-50	---
Seepweed	SUAED	2-15	---	---	---	---	2-15	---
Bud sagebrush	ARSP5	5-15	20-30	---	---	---	5-15	---
Winterfat	EULA5	---	2-5	---	---	2-5	---	---
Spiny hopsage	GRSP	---	2-5	---	---	1-5	---	---
Iodinebush	ALOC2	---	---	---	1-5	---	---	---
Nevada dalea	PSPO	---	---	---	---	1-5	---	---
Fourwing saltbush	ATCA2	---	---	---	---	10-20	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	---	---	1-3

Range site number	024XY003NV	024XY002NV	None	027XY016NV	027XY009NV	024XY003NV	023XY009NV
Potential production (lb/acre):							
Favorable years	600	750	---	500	800	600	5,500
Normal years	450	450	---	300	500	450	4,500
Unfavorable years	300	300	---	150	350	300	2,500

780-Chuckles-Playas complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Chuckles	Playas	1	2	3	4
Bottlebrush squirreltail	SIHY	5-10	---	---	---	5-10	---
Inland saltgrass	DISPS2	---	---	5-10	---	---	2-5
Basin wildrye	ELCI2	---	---	---	65-75	---	---
Nevada bluegrass	PONE3	---	---	---	2-8	---	---
Indian ricegrass	ORHY	---	---	---	---	---	20-30
Black greasewood	SAVE4	15-30	---	40-60	---	15-30	30-50
Shadscale	ATCO	30-50	---	2-10	---	30-50	2-5
Seepweed	SUAED	2-15	---	2-5	---	2-15	---
Bud sagebrush	ARSP5	5-15	---	---	---	5-15	---
Basin big sagebrush	ARTRT*	---	---	---	5-10	---	---
Rubber rabbitbrush	CHNA2	---	---	---	1-3	---	---
Iodinebush	ALOC2	---	---	---	---	---	1-5

Range site number	024XY003NV	None	027XY025NV	023XY009NV	024XY003NV	027XY016NV
Potential production (lb/acre):						
Favorable years	600	---	500	5,500	600	500
Normal years	450	---	350	4,500	450	300
Unfavorable years	300	---	200	2,500	300	150

781-Chuckles-Ragtown-Playas complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Chuckles	Ragtown	Playas	1	2	3
Bottlebrush squirreltail	SIHY	5-10	---	---	5-15	---	5-10
Inland saltgrass	DISPS2	---	5-10	---	---	---	---
Needleandthread	STCO4	---	---	---	1-3	---	---
Indian ricegrass	ORHY	---	---	---	5-15	---	---
Sandberg bluegrass	POSE	---	---	---	2-5	---	---
Basin wildrye	ELCI2	---	---	---	---	65-75	---
Nevada bluegrass	PONE3	---	---	---	---	2-8	---
Black greasewood	SAVE4	15-30	40-60	---	---	---	15-30
Shadscale	ATCO	30-50	2-10	---	30-40	---	30-50
Seepweed	SUAED	2-15	2-5	---	---	---	2-15
Bud sagebrush	ARSP5	5-15	---	---	20-30	---	5-15
Winterfat	EULA5	---	---	---	2-5	---	---
Spiny hopsage	GRSP	---	---	---	2-5	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	5-10	---
Rubber rabbitbrush	CHNA2	---	---	---	---	1-3	---

Range site number	024XY003NV	027XY025NV	None	024XY002NV	023XY009NV	024XY003NV
Potential production (lb/acre):						
Favorable years	600	500	---	750	5,500	600
Normal years	450	350	---	450	4,500	450
Unfavorable years	300	200	---	300	2,500	300

790-Galeppi-Barnard association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Galeppi	Barnard	1	2	3
Bluebunch wheatgrass	AGSP	30-40	30-40	30-40	40-60	20-50
Thurber needlegrass	STTH2	15-20	15-20	15-20	10-20	10-20
Basin wildrye	ELCI2	5-10	5-10	5-10	2-10	---
Canby bluegrass	POCA	2-5	2-5	2-5	---	---
Bluegrass	POA++	---	---	---	---	5-10
Antelope bitterbrush	PUTR2	2-10	2-10	2-10	2-5	---
Rabbitbrush	CHRY9	2-5	2-5	2-5	---	---
Big sagebrush	ARTR2	15-20	15-20	15-20	10-20	---
Low sagebrush	ARAR8	---	---	---	---	10-20

Range site number	023XY020NV	023XY020NV	023XY020NV	023XY039NV	023XY031NV
Potential production (lb/acre):					
Favorable years	1,100	1,100	1,100	900	900
Normal years	900	900	900	700	700
Unfavorable years	600	600	600	500	500

800-Boulder Lake silty clay

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Boulder Lake	1	2	3	4
Mat muhly	MURI	5-10	5-10	5-10	---	2-5
Nevada bluegrass	PONE3	15-35	15-35	---	---	40-50
Creeping wildrye	ELTR3	5-15	5-15	---	---	2-5
Bluebunch wheatgrass	AGSP	---	---	---	30-40	---
Canby bluegrass	POCA	---	---	---	2-5	---
Idaho fescue	FEID	---	---	---	5-15	---
Thurber needlegrass	STTH2	---	---	---	2-5	---
Sedge	CAREX	---	---	---	---	5-15
Meadow barley	HOBR2	---	---	---	---	2-5
Slender wheatgrass	AGTR	---	---	---	---	2-5
Rush	JUNCU	---	---	---	---	2-5
Povertyweed	IVAX	---	---	5-10	---	---
Eveningprimrose	OENOT	---	---	2-5	---	---
Dock	RUMEX	---	---	1-2	---	---
Silver sagebrush	ARCA13	30-40	30-40	---	---	---
Rubber rabbitbrush	CHNA2	2-5	2-5	---	---	---
Antelope bitterbrush	PUTR2	---	---	---	10-20	---
Mountain big sagebrush	ARVA2	---	---	---	5-15	---

Range site number	023XY003NV	023XY003NV	023XY023NV	023XY022NV	023XY013NV
Potential production (lb/acre):					
Favorable years	1,800	1,800	1,500	1,300	2,200
Normal years	1,400	1,400	400	1,000	1,700
Unfavorable years	700	700	0	800	1,300

810-Voltaire-Truckee association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Voltaire	Truckee	1	2	3	4
Sedge	CAREX	5-10	---	---	2-8	---	5-15
Alpine timothy	PHAL2	10-15	---	---	---	---	---
Tufted hairgrass	DECE	20-30	---	---	---	---	---
Nevada bluegrass	PONE3	15-25	5-10	---	---	5-10	40-50
Meadow barley	HOB2	10-15	---	---	---	---	2-5
Rush	JUNCU	5-10	---	---	2-8	---	2-5
Basin wildrye	ELCI2	---	15-20	---	---	40-60	---
Creeping wildrye	ELTR3	---	40-60	---	---	---	2-5
Wildrye	ELYMU	---	---	2-5	---	---	---
Inland saltgrass	DISP2	---	---	10-20	---	---	---
Alkali sacaton	SPAI	---	---	30-40	---	---	---
Baltic rush	JUBA	---	---	2-5	---	---	---
Wheatgrass	AGROP2	---	---	2-5	---	---	---
Cattail	TYPHA	---	---	---	20-40	---	---
Giantreed	ARDO4	---	---	---	5-10	---	---
Bulrush	SCIRP	---	---	---	20-40	---	---
Mat muhly	MURI	---	---	---	---	---	2-5
Slender wheatgrass	AGTR	---	---	---	---	---	2-5
Thelypody	THELY	---	---	---	---	1-3	---
Povertyweed	IVAX	---	---	---	---	2-5	---
Iodinebush	ALOC2	---	---	2-5	---	---	---
Black greasewood	SAVE4	---	---	5-10	---	---	---
Seepweed	SUAED	---	---	2-5	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	5-15	---
Willow	SALIX	2-5	2-5	---	---	---	---
Cottonwood	POPUL	---	2-5	---	---	---	---

Range site number	026XY003NV	026XY001NV	027XY005NV	027XY001NV	023XY005NV	023XY013NV
Potential production (lb/acre):						
Favorable years	2,000	3,000	2,500	4,000	3,000	2,200
Normal years	1,500	2,500	2,000	2,800	2,000	1,700
Unfavorable years	1,000	2,000	1,500	2,000	1,300	1,300

811-Voltaire-Fluvaquents-Veta association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Voltaire	Fluvaquents	Veta	1	2	3
Basin wildrye	ELCI2	65-75	1-5	---	---	---	---
Nevada bluegrass	PONE3	2-8	---	---	---	---	---
Western wheatgrass	AGSM	---	1-5	---	---	---	---
Slender wheatgrass	AGTR	---	1-5	---	---	---	---
Creeping wildrye	ELTR3	---	1-5	---	---	---	---
Sedge	CAREX	---	1-5	---	---	---	---
Rush	JUNCU	---	1-5	---	---	---	---
Webber ricegrass	STWE	---	---	2-5	---	---	---
Thurber needlegrass	STTH2	---	---	2-8	---	2-5	---
Indian ricegrass	ORHY	---	---	10-15	---	---	---
Desert needlegrass	STSP3	---	---	10-15	---	15-25	---
Bottlebrush squirreltail	SIHY	---	---	2-5	5-10	5-10	---
Basin big sagebrush	ARTRT*	5-10	1-5	---	---	---	---
Rubber rabbitbrush	CHNA2	1-3	---	---	---	---	---
Woods rose	ROWO	---	1-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	20-30	---	15-20	---
Spiny hopsage	GRSP	---	---	10-25	---	2-5	---
Black greasewood	SAVE4	---	---	---	15-30	---	---
Shadscale	ATCO	---	---	---	30-50	---	---
Seepweed	SUAED	---	---	---	2-15	---	---
Bud sagebrush	ARSP5	---	---	---	5-15	---	---
Green ephedra	EPVI	---	---	---	---	5-15	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5	---
Willow	SALIX	---	1-5	---	---	---	---
Fremont cottonwood	POFR2	---	1-5	---	---	---	---

Range site number	023XY009NV	023XY034NV	023XY038NV	024XY003NV	026XY022NV	None
Potential production (lb/acre):						
Favorable years	5,500	3,000	600	600	600	---
Normal years	4,500	2,500	450	450	450	---
Unfavorable years	2,500	1,500	300	300	300	---

820-Horsecamp-Mahala association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Horsecamp	Mahala	1	2	3	4
Western wheatgrass	AGSM	15-25	---	---	---	---	---
Bottlebrush squirreltail	SIHY	5-15	---	---	---	---	---
Creeping wildrye	ELTR3	5-10	---	---	---	---	5-15
Bluebunch wheatgrass	AGSP	---	20-50	30-40	15-35	---	---
Thurber needlegrass	STH2	---	10-20	15-20	2-8	---	---
Bluegrass	POA++	---	5-10	---	2-8	---	---
Basin wildrye	ELCI2	---	---	5-10	5-15	---	---
Canby bluegrass	POCA	---	---	2-5	---	---	---
Idaho fescue	FEID	---	---	---	30-40	---	---
Mat muhly	MURI	---	---	---	---	---	5-10
Nevada bluegrass	PONE3	---	---	---	---	---	15-35
Littleleaf horsebrush	TEGL	5-10	---	---	---	---	---
Basin big sagebrush	ARTRT*	10-25	---	---	---	---	---
Rubber rabbitbrush	CHNA2	2-5	---	---	---	---	2-5
Low sagebrush	ARAR8	---	10-20	---	---	---	---
Antelope bitterbrush	PUTR2	---	---	2-10	2-10	---	---
Rabbitbrush	CHRYS9	---	---	2-5	---	---	---
Big sagebrush	ARTR2	---	---	15-20	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	10-20	---	---
Silver sagebrush	ARCA13	---	---	---	---	---	30-40

Range site number	023XY033NV	023XY031NV	023XY020NV	023XY007NV	None	023XY003NV
Potential production (lb/acre):						
Favorable years	800	900	1,100	1,600	---	1,800
Normal years	600	700	900	1,200	---	1,400
Unfavorable years	350	500	600	900	---	700

831-Kayo very stony sandy loam, 2 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Kayo	1	2	3
Bottlebrush squirreltail	SIHY	2-5	2-8	---	5-10
Desert needlegrass	STSP3	15-25	2-10	---	20-40
Indian ricegrass	ORHY	10-20	2-8	50-70	10-15
Sandberg bluegrass	POSE	---	10-15	---	---
Thurber needlegrass	STTH2	---	2-5	---	---
Needleandthread	STCO4	---	---	5-15	---
Wyoming big sagebrush	ARTRW*	20-30	---	---	10-20
Spiny hopsage	GRSP	10-25	---	1-5	2-5
Sagebrush	ARTEM	---	30-45	---	---
Nevada dalea	PSPO	---	---	1-5	---
Winterfat	EULA5	---	---	2-5	---
Fourwing saltbush	ATCA2	---	---	10-20	---
Ephedra	EPHED	---	---	---	2-8

Range site number	026XY024NV	023XY047NV	027XY009NV	026XY016NV
Potential production (lb/acre):				
Favorable years	400	500	800	800
Normal years	300	350	500	600
Unfavorable years	200	200	350	400

850-Osobb-Rezave-Fireball association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Osobb	Rezave	Fireball	1	2	3
Indian ricegrass	ORHY	15-25	10-20	5-10	10-20	---	---
Desert needlegrass	STSP3	5-15	1-5	20-30	1-5	15-25	---
Bottlebrush squirreltail	SIHY	---	5-10	2-5	5-10	5-10	---
Thurber needlegrass	STTH2	---	---	---	---	2-5	---
Bud sagebrush	ARSP5	5-10	2-10	---	2-10	---	---
Shadscale	ATCO	15-25	25-35	5-15	25-35	---	---
Bailey greasewood	SAVEB	5-15	15-25	---	15-25	---	---
Nevada ephedra	EPNE	2-5	---	---	---	---	---
Winterfat	EULA5	---	1-5	---	1-5	---	---
Littleleaf horsebrush	TEGL	---	---	10-20	---	---	---
Green ephedra	EPVI	---	---	---	---	5-15	---
Spiny hopsage	GRSP	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	15-20	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5	---

Range site number	027XY027NV	027XY018NV	027XY017NV	027XY018NV	026XY022NV	None
Potential production (lb/acre):						
Favorable years	200	500	400	500	600	---
Normal years	100	350	200	350	450	---
Unfavorable years	50	200	100	200	300	---

890-Slocave-Arclay-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Slocave	Arclay	Rock outcrop	1	2
Indian ricegrass	ORHY	5-10	---	---	---	---
Desert needlegrass	STSP3	20-30	2-5	---	2-5	2-5
Bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	2-5
Thurber needlegrass	STTH2	---	10-20	---	10-20	5-15
Sandberg bluegrass	POSE	---	10-15	---	10-15	---
Bluegrass	POA++	---	---	---	---	2-5
Milkvetch	ASTRA	---	---	---	---	1-3
Skeletonweed	LYGOD	---	---	---	---	1-3
Littleleaf horsebrush	TEGL	10-20	---	---	---	---
Shadscale	ATCO	5-15	---	---	---	---
Sagebrush	ARTEM	---	25-35	---	25-35	30-40
Common pricklygilia	LEPU	---	---	---	---	2-5
Purple sage	SADOC2	---	---	---	---	5-15
Utah juniper	JUOS	---	---	---	---	2-10

Range site number	027XY017NV	027XY079NV	None	027XY079NV	023XY063NV
Potential production (lb/acre):					
Favorable years	400	500	---	500	350
Normal years	200	350	---	350	250
Unfavorable years	100	250	---	250	100

892-Slocave-Singatse-Jaybee association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Slocave	Singatse	Jaybee	1	2	3	4
Indian ricegrass	ORHY	5-1	15-25	2-8	---	---	5-15	---
Desert needlegrass	STSP3	20-3	5-15	2-10	---	---	5-15	---
Bottlebrush squirreltail	SIHY	2-5	---	2-8	---	---	2-5	---
Sandberg bluegrass	POSE	---	---	10-15	---	---	---	---
Thurber needlegrass	STTH2	---	---	2-5	---	---	---	---
Basin wildrye	ELCI2	---	---	---	---	40-60	---	1-5
Nevada bluegrass	PONE3	---	---	---	---	5-10	---	---
Western wheatgrass	AGSM	---	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	---	1-5
Creeping wildrye	ELTR3	---	---	---	---	---	---	1-5
Sedge	CAREX	---	---	---	---	---	---	1-5
Rush	JUNCU	---	---	---	---	---	---	1-5
Thelypody	THELY	---	---	---	---	1-3	---	---
Povertyweed	IVAX	---	---	---	---	2-5	---	---
Littleleaf horsebrush	TEGL	10-2	---	---	---	---	---	---
Shadscale	ATCO	5-1	15-25	---	---	---	30-50	---
Bud sagebrush	ARSP5	---	5-10	---	---	---	2-8	---
Bailey greasewood	SAVEB	---	5-15	---	---	---	5-15	---
Nevada ephedra	EPNE	---	2-5	---	---	---	2-5	---
Sagebrush	ARTEM	---	---	30-45	---	---	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	5-15	---	1-5
Winterfat	EULA5	---	---	---	---	---	2-5	---
Woods rose	ROWO	---	---	---	---	---	---	1-5
Willow	SALIX	---	---	---	---	---	---	1-5
Fremont cottonwood	POFR2	---	---	---	---	---	---	1-5

Range site number	027XY017NV	027XY027NV	023XY047NV	None	023XY005NV	027XY019NV	023XY034NV
Potential production (lb/acre):							
Favorable years	400	200	500	---	3,000	400	3,000
Normal years	200	100	350	---	2,000	200	2,500
Unfavorable years	100	50	200	---	1,300	100	1,500

893-Slocave-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Slocave, 30 to 50 percent slopes	Slocave, 8 to 30 percent slopes	Rock outcrop	1	2
Indian ricegrass	ORHY	5-10	5-10	---	5-15	5-10
Desert needlegrass	STSP3	20-30	20-30	---	---	20-30
Bottlebrush squirreltail	SIHY	2-5	2-5	---	5-15	2-5
Needleandthread	STCO4	---	---	---	1-3	---
Sandberg bluegrass	POSE	---	---	---	2-5	---
Littleleaf horsebrush	TEGL	10-20	10-20	---	---	10-20
Shadscale	ATCO	5-15	5-15	---	30-40	5-15
Winterfat	EULA5	---	---	---	2-5	---
Bud sagebrush	ARSP5	---	---	---	20-30	---
Spiny hopsage	GRSP	---	---	---	2-5	---
Range site number		027XY017NV	027XY017NV	None	024XY002NV	027XY017NV
Potential production (lb/acre):						
Favorable years		400	400	---	750	400
Normal years		200	200	---	450	200
Unfavorable years		100	100	---	300	100

900-Playas

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Playas	1	2
Inland saltgrass	DISPS2	---	60-90	---
Sedge	CAREX	---	---	5-10
Alpine timothy	PHAL2	---	---	10-15
Tufted hairgrass	DECE	---	---	20-30
Nevada bluegrass	PONE3	---	---	15-25
Meadow barley	HOBR2	---	---	10-15
Rush	JUNCU	---	---	5-10
Seepweed	SUAED	---	2-5	---
Black greasewood	SAVE4	---	2-5	---
Willow	SALIX	---	---	2-5
Range site number		None	026XY002NV	026XY003NV
Potential production (lb/acre):				
Favorable years		---	2,000	2,000
Normal years		---	1,700	1,500
Unfavorable years		---	1,200	1,000

901-Dune land-Playas complex, 0 to 30 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name		Inclusion number--
		Dune land	Playas	
Inland saltgrass	DISPS2	---	---	2-5
Indian ricegrass	ORHY	---	---	20-30
Shadscale	ATCO	---	---	2-5
Black greasewood	SAVE4	---	---	30-50
Iodinebush	ALOC2	---	---	1-5
Range site number		None	None	027XY016NV
Potential production (lb/acre):				
Favorable years		---	---	500
Normal years		---	---	300
Unfavorable years		---	---	150

910-Shawave-Deadyon association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Shawave	Deadyon	1	2	3
Bottlebrush squirreltail	SIHY	5-15	5-15	---	5-15	---
Thurber needlegrass	STTH2	2-5	2-5	20-35	2-5	---
Sandberg bluegrass	POSE	10-20	10-20	2-8	10-20	---
Indian ricegrass	ORHY	2-5	2-5	---	2-5	10-20
Needleandthread	STCO4	---	---	---	---	20-30
Thickspike wheatgrass	AGDA	---	---	---	---	2-5
Basin wildrye	ELCI2	---	---	---	---	2-8
Nevada ephedra	EPNE	2-5	2-5	2-5	2-5	---
Spiny hopsage	GRSP	10-20	10-20	5-10	10-20	2-5
Wyoming big sagebrush	ARTRW*	25-35	25-35	25-35	25-35	---
Big sagebrush	ARTR2	---	---	---	---	10-20

Range site number	027XY008NV	027XY008NV	027XY007NV	027XY008NV	023XY051NV
Potential production (lb/acre):					
Favorable years	900	900	700	900	900
Normal years	700	700	500	700	700
Unfavorable years	500	500	350	500	500

930-Typic Torriorthents-Aquic Torriorthents complex, 0 to 4 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Typic Torriorthents	Aquic Torriorthents	1	2
Inland saltgrass	DISPS2	---	---	2-5	---
Indian ricegrass	ORHY	---	---	20-30	---
Shadscale	ATCO	---	---	2-5	---
Black greasewood	SAVE4	---	---	30-50	---
Iodinebush	ALOC2	---	---	1-5	---
Range site number		None	None	027XY016NV	None
Potential production (lb/acre):					
Favorable years		---	---	500	---
Normal years		---	---	300	---
Unfavorable years		---	---	150	---

940-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Hawsley	Hawsley, dry	1	2	3	4
Inland saltgrass	DISPS2	2-5	---	---	2-5	---	---
Indian ricegrass	ORHY	20-30	50-70	5-15	20-30	50-70	5-15
Needleandthread	STCO4	---	5-15	1-3	---	5-15	1-2
Bottlebrush squirreltail	SIHY	---	---	5-15	---	---	2-10
Sandberg bluegrass	POSE	---	---	2-5	---	---	2-5
Phlox	PHLOX	---	---	---	---	---	1-4
Globemallow	SPHAE	---	---	---	---	---	1-4
Eveningprimrose	OENOT	---	---	---	---	---	1-2
Shadscale	ATCO	2-5	---	30-40	2-5	---	2-5
Black greasewood	SAVE4	30-50	---	---	30-50	---	---
Iodinebush	ALOC2	1-5	---	---	1-5	---	---
Nevada dalea	PSPO	---	1-5	---	---	1-5	---
Winterfat	EULA5	---	2-5	2-5	---	2-5	20-40
Spiny hopsage	GRSP	---	1-5	2-5	---	1-5	---
Fourwing saltbush	ATCA2	---	10-20	---	---	10-20	---
Bud sagebrush	ARSP5	---	---	20-30	---	---	20-30

Range site number	027XY016NV	027XY009NV	024XY002NV	027XY016NV	027XY009NV	024XY014NV
Potential production (lb/acre):						
Favorable years	500	800	750	500	800	400
Normal years	300	500	450	300	500	300
Unfavorable years	150	350	300	150	350	200

950-Cleaver-Xeric Torriorthents association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Cleaver	Xeric Torriorthents	1	2	3	4
Needleandthread	STCO4	1-3	---	---	---	1-3	---
Bottlebrush squirreltail	SIHY	5-15	---	---	2-5	5-15	2-5
Indian ricegrass	ORHY	5-15	2-8	5-15	10-15	5-15	10-15
Sandberg bluegrass	POSE	2-5	---	2-5	---	2-5	---
Desert needlegrass	STSP3	---	15-25	---	10-15	---	10-15
Bluebunch wheatgrass	AGSP	---	5-15	---	---	---	---
Thurber needlegrass	STTH2	---	---	20-40	2-8	---	2-8
Webber ricegrass	STWE	---	---	2-8	2-5	---	2-5
Basin wildrye	ELCI2	---	---	2-5	---	---	---
Winterfat	EULA5	2-5	---	---	---	2-5	---
Shadscale	ATCO	30-40	---	---	---	30-40	---
Bud sagebrush	ARSP5	20-30	---	---	---	20-30	---
Spiny hopsage	GRSP	2-5	---	2-5	10-25	2-5	10-25
Purple sage	SADOC2	---	10-20	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	5-15	15-25	20-30	---	20-30
Ephedra	EPHED	---	2-8	---	---	---	---

Range site number	024XY002NV	023XY030NV	023XY006NV	023XY038NV	024XY002NV	023XY038NV
Potential production (lb/acre):						
Favorable years	750	500	800	600	750	600
Normal years	450	300	600	450	450	450
Unfavorable years	300	150	400	300	300	300

972-Isolde-Toulon complex, 2 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Isolde	Toulon	1	2	3
Indian ricegrass	ORHY	15-25	10-20	10-20	10-25	---
Needleandthread	STCO4	10-15	---	---	---	---
Desert needlegrass	STSP3	---	1-5	1-5	---	---
Bottlebrush squirreltail	SIHY	---	5-10	5-10	5-15	---
Sandberg bluegrass	POSE	---	---	---	2-5	---
Littleleaf horsebrush	TEGL	5-10	---	---	---	---
Fourwing saltbush	ATCA2	10-20	---	---	---	---
Hairy horsebrush	TECO2	30-40	---	---	---	---
Dalea	DALEA	5-10	---	---	---	---
Shadscale	ATCO	---	25-35	25-35	30-40	---
Bud sagebrush	ARSP5	---	2-10	2-10	15-20	---
Winterfat	EULA5	---	1-5	1-5	---	---
Bailey greasewood	SAVEB	---	15-25	15-25	1-5	---
Range site number		027XY023NV	027XY018NV	027XY018NV	027XY013NV	None
Potential production (lb/acre):						
Favorable years		700	500	500	500	---
Normal years		500	350	350	300	---
Unfavorable years		300	200	200	100	---

1043-Bluewing-Trocken association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Bluewing	Trocken	1	2
Indian ricegrass	ORHY	5-10	10-20	10-20	15-25
Bottlebrush squirreltail	SIHY	5-10	5-10	5-10	---
Desert needlegrass	STSP3	---	1-5	1-5	---
Basin wildrye	ELCI2	---	---	---	5-15
Rubber rabbitbrush	CHNA2	15-20	---	---	---
Burrobrush	HYMEN3	5-10	---	---	---
Littleleaf horsebrush	TEGL	15-25	---	---	---
Spiny hopsage	GRSP	15-20	---	---	10-20
Fourwing saltbush	ATCA2	5-10	---	---	---
Shadscale	ATCO	---	25-35	25-35	---
Bud sagebrush	ARSP5	---	2-10	2-10	---
Winterfat	EULA5	---	1-5	1-5	---
Bailey greasewood	SAVEB	---	15-25	15-25	---
Big sagebrush	ARTR2	---	---	---	20-30
Rabbitbrush	CHRY89	---	---	---	2-10

Range site number	027XY022NV	027XY018NV	027XY018NV	027XY029NV
Potential production (lb/acre):				
Favorable years	400	500	500	800
Normal years	200	350	350	500
Unfavorable years	50	200	200	300

1060-Trocken-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Trocken	Mazuma	1	2
Needleandthread	STCO4	1-3	---	1-3	---
Bottlebrush squirreltail	SIHY	5-15	5-10	5-15	5-15
Indian ricegrass	ORHY	5-15	---	5-15	2-5
Sandberg bluegrass	POSE	2-5	---	2-5	10-20
Thurber needlegrass	STTH2	---	---	---	2-5
Winterfat	EULA5	2-5	---	2-5	---
Shadscale	ATCO	30-40	30-50	30-40	---
Bud sagebrush	ARSP5	20-30	5-15	20-30	---
Spiny hopsage	GRSP	2-5	---	2-5	10-20
Black greasewood	SAVE4	---	15-30	---	---
Seepweed	SUAED	---	2-15	---	---
Nevada ephedra	EPNE	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	25-35

Range site number	024XY002NV	024XY003NV	024XY002NV	027XY008NV
Potential production (lb/acre):				
Favorable years	750	600	750	900
Normal years	450	450	450	700
Unfavorable years	300	300	300	500

1061-Trocken-Bluewing association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Trocken	Bluewing	1	2	3	4
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---
Indian ricegrass	ORHY	10-25	10-25	10-20	---	20-30	15-25
Bottlebrush squirreltail	SIHY	5-15	5-15	5-10	5-10	---	---
Desert needlegrass	STSP3	---	---	1-5	---	---	---
Inland saltgrass	DISPS2	---	---	---	---	2-5	---
Basin wildrye	ELCI2	---	---	---	---	---	5-15
Bud sagebrush	ARSP5	15-20	15-20	2-10	5-15	---	---
Shadscale	ATCO	30-40	30-40	25-35	30-50	2-5	---
Bailey greasewood	SAVEB	1-5	1-5	15-25	---	---	---
Winterfat	EULA5	---	---	1-5	---	---	---
Black greasewood	SAVE4	---	---	---	15-30	30-50	---
Seepweed	SUAED	---	---	---	2-15	---	---
Iodinebush	ALOC2	---	---	---	---	1-5	---
Big sagebrush	ARTR2	---	---	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	---	10-20
Rabbitbrush	CHRY89	---	---	---	---	---	2-10

Range site number	027XY013NV	027XY013NV	027XY018NV	024XY003NV	027XY016NV	027XY029NV
Potential production (lb/acre):						
Favorable years	500	500	500	600	500	800
Normal years	300	300	350	450	300	500
Unfavorable years	100	100	200	300	150	300

1063-Trocken-Ganaflan-Bluewing association, dry

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Trocken	Ganaflan	Bluewing	1	2	3	4
Indian ricegrass	ORHY	10-20	10-20	10-20	10-15	10-20	50-70	---
Desert needlegrass	STSP3	1-5	1-5	1-5	10-15	---	---	---
Bottlebrush squirreltail	SIHY	5-10	5-10	5-10	2-5	2-10	---	---
Webber ricegrass	STWE	---	---	---	2-5	---	---	---
Thurber needlegrass	STTH2	---	--	---	2-8	---	---	---
Needleandthread	STCO4	---	--	---	---	---	5-15	---
Shadscale	ATCO	25-35	25-35	25-35	---	---	---	---
Bud sagebrush	ARSP5	2-10	2-10	2-10	---	2-5	---	---
Winterfat	EULA5	1-5	1-5	1-5	---	60-70	2-5	---
Bailey greasewood	SAVEB	15-25	15-25	15-25	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---	---	---
Spiny hopsage	GRSP	---	---	---	10-25	---	1-5	---
Nevada dalea	PSPO	---	---	---	---	---	1-5	---
Fourwing saltbush	ATCA2	---	---	---	---	---	10-20	---

Range site number	027XY018NV	027XY018NV	027XY018NV	023XY038NV	024XY004NV	027XY009NV	None
Potential production (lb/acre):							
Favorable years	500	500	500	600	500	800	---
Normal years	350	350	350	450	350	500	---
Unfavorable years	200	200	200	300	200	350	---

1064-Trocken, stony-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Trocken, very stony	Trocken, gravelly	Mazuma	1	2	3
Needleandthread	STCO4	1-3	1-3	---	---	---	---
Bottlebrush squirreltail	SIHY	5-15	5-15	5-10	2-5	5-10	---
Indian ricegrass	ORHY	5-15	5-15	---	10-15	5-10	15-25
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---
Webber ricegrass	STWE	---	---	---	2-5	---	---
Thurber needlegrass	STTH2	---	---	---	2-8	---	---
Desert needlegrass	STSP3	---	---	---	10-15	---	5-15
Winterfat	EULA5	2-5	2-5	---	---	---	---
Shadscale	ATCO	30-40	30-40	30-50	---	---	15-25
Bud sagebrush	ARSP5	20-30	20-30	5-15	---	---	5-10
Spiny hopsage	GRSP	2-5	2-5	---	10-25	15-20	---
Black greasewood	SAVE4	---	---	15-30	---	---	---
Seepweed	SUAED	---	---	2-15	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---	---
Rubber rabbitbrush	CHNA2	---	---	---	---	15-20	---
Burrobrush	HYMEN3	---	---	---	---	5-10	---
Littleleaf horsebrush	TEGL	---	---	---	---	15-25	---
Fourwing saltbush	ATCA2	---	---	---	---	5-10	---
Bailey greasewood	SAVEB	---	---	---	---	---	5-15
Nevada ephedra	EPNE	---	---	---	---	---	2-5

Range site number	024XY002NV	024XY002NV	024XY003NV	023XY038NV	027XY022NV	027XY027NV
Potential production (lb/acre):						
Favorable years	750	750	600	600	400	200
Normal years	450	450	450	450	200	100
Unfavorable years	300	300	300	300	50	50

1065-Trocken-Ruhe-Bluewing association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Trocken	Ruhe	Bluewing	1	2
Sandberg bluegrass	POSE	2-5	---	---	---	---
Indian ricegrass	ORHY	10-25	50-70	10-20	15-25	50-70
Bottlebrush squirreltail	SIHY	5-15	---	5-10	---	---
Needleandthread	STCO4	---	5-15	---	10-15	5-15
Desert needlegrass	STSP3	---	---	1-5	---	---
Bud sagebrush	ARSP5	15-20	---	2-10	---	---
Shadscale	ATCO	30-40	---	25-35	---	---
Bailey greasewood	SAVEB	1-5	---	15-25	---	---
Nevada dalea	PSPO	---	1-5	---	---	1-5
Winterfat	EULA5	---	2-5	1-5	---	2-5
Spiny hopsage	GRSP	---	1-5	---	---	1-5
Fourwing saltbush	ATCA2	---	10-20	---	10-20	10-20
Littleleaf horsebrush	TEGL	---	---	---	5-10	---
Hairy horsebrush	TECO2	---	---	---	30-40	---
Dalea	DALEA	---	---	---	5-10	---

Range site number	027XY013NV	027XY009NV	027XY018NV	027XY023NV	027XY009NV
Potential production (lb/acre):					
Favorable years	500	800	500	700	800
Normal years	300	500	350	500	500
Unfavorable years	100	350	200	300	350

1067-Trocken, moist-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Trocken	Mazuma	1	2	3
Needleandthread	STCO4	1-2	---	5-15	---	---
Indian ricegrass	ORHY	5-15	---	50-70	10-20	5-10
Bottlebrush squirreltail	SIHY	2-10	5-10	---	2-10	5-10
Sandberg bluegrass	POSE	2-5	---	---	---	---
Phlox	PHLOX	1-4	---	---	---	---
Globemallow	SPHAE	1-4	---	---	---	---
Eveningprimrose	OENOT	1-2	---	---	---	---
Winterfat	EULA5	20-40	---	2-5	60-70	---
Shadscale	ATCO	2-5	30-50	---	---	---
Bud sagebrush	ARSP5	20-30	5-15	---	2-5	---
Black greasewood	SAVE4	---	15-30	---	---	---
Seepweed	SUAED	---	2-15	---	---	---
Nevada dalea	PSPO	---	---	1-5	---	---
Spiny hopsage	GRSP	---	---	1-5	---	15-20
Fourwing saltbush	ATCA2	---	---	10-20	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	---	15-20
Burrobrush	HYMEN3	---	---	---	---	5-10
Littleleaf horsebrush	TEGL	---	---	---	---	15-25

Range site number	024XY014NV	024XY003NV	027XY009NV	024XY004NV	027XY022NV
Potential production (lb/acre):					
Favorable years	400	600	800	500	400
Normal years	300	450	500	350	200
Unfavorable years	200	300	350	200	50

1068-Trocken-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Trocken	Hawsley	1	2
Needleandthread	STCO4	1-2	5-15	1-3	---
Indian ricegrass	ORHY	5-15	50-70	5-15	5-10
Bottlebrush squirreltail	SIHY	2-10	---	5-15	5-10
Sandberg bluegrass	POSE	2-5	---	2-5	---
Phlox	PHLOX	1-4	---	---	---
Globemallow	SPHAE	1-4	---	---	---
Eveningprimrose	OENOT	1-2	---	---	---
Winterfat	EULA5	20-40	2-5	2-5	---
Shadscale	ATCO	2-5	---	30-40	---
Bud sagebrush	ARSP5	20-30	---	20-30	---
Nevada dalea	PSPO	---	1-5	---	---
Spiny hopsage	GRSP	---	1-5	2-5	15-20
Fourwing saltbush	ATCA2	---	10-20	---	5-10
Rubber rabbitbrush	CHNA2	---	---	---	15-20
Burrobrush	HYMEN3	---	---	---	5-10
Littleleaf horsebrush	TEGL	---	---	---	15-25

Range site number	024XY014NV	027XY009NV	024XY002NV	027XY022NV
Potential production (lb/acre):				
Favorable years	400	800	750	400
Normal years	300	500	450	200
Unfavorable years	200	350	300	50

1160-Glenbrook-Graufels-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Glenbrook	Graufels	Rock outcrop	1	2
Bluebunch wheatgrass	AGSP	40-60	40-60	---	40-60	---
Thurber needlegrass	STTH2	10-20	10-20	---	5-15	---
Basin wildrye	ELCI2	2-10	2-10	---	---	25-35
Bluegrass	POA++	---	---	---	2-8	---
Sandberg bluegrass	POSE	---	---	---	---	2-8
Western wheatgrass	AGSM	---	---	---	---	5-10
Bottlebrush squirreltail	SIHY	---	---	---	---	2-5
Hooker balsamroot	BAHO	---	---	---	2-5	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---
Antelope bitterbrush	PUTR2	2-5	2-5	---	---	5-10
Big sagebrush	ARTR2	10-20	10-20	---	---	---
Sagebrush	ARTEM	---	---	---	10-20	---
Basin big sagebrush	ARTRT*	---	---	---	---	10-20
Rubber rabbitbrush	CHNA2	---	---	---	---	2-5

Range site number	023XY039NV	023XY039NV	None	023XY037NV	026XY034NV
Potential production (lb/acre):					
Favorable years	900	900	---	700	1,000
Normal years	700	700	---	600	800
Unfavorable years	500	500	---	400	600

1190-Ragtown-Isolde complex, 0 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Ragtown	Isolde	1	2
Inland saltgrass	DISPS2	5-10	2-5	5-10	2-5
Indian ricegrass	ORHY	---	20-30	---	20-30
Seepweed	SUAED	2-5	---	2-5	---
Black greasewood	SAVE4	40-60	30-50	40-60	30-50
Shadscale	ATCO	2-10	2-5	2-10	2-5
Iodinebush	ALOC2	---	1-5	---	1-5

Range site number	027XY025NV	027XY016NV	027XY025NV	027XY016NV
Potential production (lb/acre):				
Favorable years	500	500	500	500
Normal years	350	300	350	300
Unfavorable years	200	150	200	150

1191-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Ragtown	Ragtown, moist	1	2	3
Inland saltgrass	DISPS2	5-10	---	---	2-5	---
Bottlebrush squirreltail	SIHY	---	5-10	---	---	---
Indian ricegrass	ORHY	---	---	---	20-30	---
Seepweed	SUAED	2-5	2-15	---	---	---
Black greasewood	SAVE4	40-60	15-30	---	30-50	---
Shadscale	ATCO	2-10	30-50	---	2-5	---
Bud sagebrush	ARSP5	---	5-15	---	---	---
Iodinebush	ALOC2	---	---	---	1-5	---
Range site number		027XY025NV	024XY003NV	None	027XY016NV	None
Potential production (lb/acre):						
Favorable years		500	600	---	500	---
Normal years		350	450	---	300	---
Unfavorable years		200	300	---	150	---

1192-Ragtown-Umberland association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Ragtown	Umberland	Ragtown, dry	1	2
Needleandthread	STCO4	1-3	---	---	---	---
Bottlebrush squirreltail	SIHY	5-15	---	5-10	2-5	---
Indian ricegrass	ORHY	5-15	---	---	2-5	---
Sandberg bluegrass	POSE	2-5	---	---	---	---
Basin wildrye	ELCI2	---	20-40	---	5-20	---
Globemallow	SPHAE	---	---	---	1-2	---
Thelypody	THELY	---	---	---	2-4	---
Winterfat	EULA5	2-5	---	---	---	---
Shadscale	ATCO	30-40	---	30-50	---	---
Bud sagebrush	ARSP5	20-30	---	5-15	---	---
Spiny hopsage	GRSP	2-5	---	---	5-15	---
Black greasewood	SAVE4	---	5-15	15-30	20-30	---
Torrey quailbush	ATTO	---	30-50	---	---	---
Basin big sagebrush	ARTRT*	---	2-10	---	---	---
Seepweed	SUAED	---	---	2-15	---	---
Big sagebrush	ARTR2	---	---	---	10-25	---

Range site number	024XY002NV	024XY015NV	024XY003NV	024XY022NV	None
Potential production (lb/acre):					
Favorable years	750	1,500	600	800	---
Normal years	450	1,200	450	600	---
Unfavorable years	300	800	300	350	---

1194-Ragtown-Swingler-Benin association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Ragtown	Swingler	Benin	1	2	3
Needleandthread	STCO4	1-3	---	---	---	1-3	1-3
Bottlebrush squirreldtail	SIHY	5-15	5-10	---	---	5-15	5-15
Indian ricegrass	ORHY	5-15	---	---	5-15	5-15	5-15
Sandberg bluegrass	POSE	2-5	---	---	2-5	2-5	2-5
Basin wildrye	ELCI2	---	---	20-40	2-5	---	---
Thurber needlegrass	STTH2	---	---	---	20-40	---	---
Webber ricegrass	STWE	---	---	---	2-8	---	---
Winterfat	EULA5	2-5	---	---	---	2-5	2-5
Shadscale	ATCO	30-40	30-50	---	---	30-40	30-40
Bud sagebrush	ARSP5	20-30	5-15	---	---	20-30	20-30
Spiny hopsage	GRSP	2-5	---	---	2-5	2-5	2-5
Black greasewood	SAVE4	---	15-30	5-15	---	---	---
Seepweed	SUAED	---	2-15	---	---	---	---
Torrey quailbush	ATTO	---	---	30-50	---	---	---
Basin big sagebrush	ARTRT*	---	---	2-10	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	15-25	---	---

Range site number	024XY002NV	024XY003NV	024XY015NV	023XY006NV	024XY002NV	024XY002NV
Potential production (lb/acre):						
Favorable years	750	600	1,500	800	750	750
Normal years	450	450	1,200	600	450	450
Unfavorable years	300	300	800	400	300	300

1200-Dosie-Devada association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Dosie	Devada	1	2	3	4
Bluebunch wheatgrass	AGSP	50-70	20-50	15-35	---	---	---
Thurber needlegrass	STTH2	5-10	10-20	2-8	---	1-5	---
Basin wildrye	ELCI2	2-10	---	5-15	---	---	---
Bluegrass	POA++	---	5-10	2-8	---	1-5	---
Idaho fescue	FEID	---	---	30-40	---	---	---
Bottlebrush squirreltail	SIHY	---	---	---	---	1-5	---
Webber ricegrass	STWE	---	---	---	---	1-5	---
Hooker balsamroot	BAHO	---	---	---	---	1-5	---
Mountain big sagebrush	ARVA2	5-15	---	10-20	---	---	---
Antelope bitterbrush	PUTR2	2-5	---	2-10	---	1-5	---
Low sagebrush	ARAR8	---	10-20	---	---	1-5	---
Purple sage	SADOC2	---	---	---	---	1-5	---
Utah juniper	JUOS	---	---	---	---	1-5	---
Range site number		023XY016NV	023XY031NV	023XY007NV	None	023XY035NV	None
Potential production (lb/acre):							
Favorable years		1,500	900	1,600	---	450	---
Normal years		1,100	700	1,200	---	350	---
Unfavorable years		800	500	900	---	250	---

1201-Dosie-Rubble land association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Dosie	Rubble land	1	2	3
Bluebunch wheatgrass	AGSP	50-70	---	---	20-40	40-60
Thurber needlegrass	STTH2	5-10	---	1-5	2-5	5-15
Basin wildrye	ELCI2	2-10	---	---	10-20	---
Bluegrass	POA++	---	---	1-5	---	2-8
Bottlebrush squirreltail	SIHY	---	---	1-5	---	---
Webber ricegrass	STWE	---	---	1-5	---	---
Canby bluegrass	POCA	---	---	---	2-5	---
Hooker balsamroot	BAHO	---	---	1-5	---	2-5
Tapertip hawksbeard	CRAC2	---	---	---	---	1-2
Mountain big sagebrush	ARVA2	5-15	---	---	5-15	---
Antelope bitterbrush	PUTR2	2-5	---	1-5	2-10	---
Low sagebrush	ARAR8	---	---	1-5	---	---
Purple sage	SADOC2	---	---	1-5	---	---
Sagebrush	ARTEM	---	---	---	---	10-20
Utah juniper	JUOS	---	---	1-5	---	---

Range site number	023XY016NV	None	023XY035NV	023XY041NV	023XY037NV
Potential production (lb/acre):					
Favorable years	1,500	---	450	1,400	700
Normal years	1,100	---	350	1,200	600
Unfavorable years	800	---	250	900	400

1220-Ceejay-Pickup association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Ceejay	Pickup	1	2	3	4
Indian ricegrass	ORHY	2-8	---	2-8	---	---	2-8
Sandberg bluegrass	POSE	10-15	---	10-15	---	---	10-15
Desert needlegrass	STSP3	2-10	---	2-10	---	---	2-10
Bottlebrush squirreltail	SINY	2-8	---	2-8	---	---	2-8
Thurber needlegrass	STTH2	2-5	5-15	2-5	10-20	---	2-5
Bluebunch wheatgrass	AGSP	---	40-60	---	40-60	---	---
Bluegrass	POA++	---	2-8	---	---	---	---
Basin wildrye	ELCI2	---	---	---	2-10	---	---
Hooker balsamroot	BAHO	---	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	---	1-2	---	---	---	---
Sagebrush	ARTEM	30-45	10-20	30-45	---	---	30-45
Antelope bitterbrush	PUTR2	---	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	---	10-20	---	---

Range site number	023XY047NV	023XY037NV	023XY047NV	023XY039NV	None	023XY047NV
Potential production (lb/acre):						
Favorable years	500	700	500	900	---	500
Normal years	350	600	350	700	---	350
Unfavorable years	200	400	200	500	---	200

1221-Ceejay stony loam, 4 to 30 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Ceejay	1	2	3	4
Indian ricegrass	ORHY	2-8	2-8	5-15	10-25	---
Sandberg bluegrass	POSE	10-15	10-15	2-5	2-5	---
Desert needlegrass	STSP3	2-10	2-10	---	---	---
Bottlebrush squirreltail	SIHY	2-8	2-8	---	5-15	---
Thurber needlegrass	STTH2	2-5	2-5	20-40	---	---
Webber ricegrass	STWE	---	---	2-8	---	---
Basin wildrye	ELCI2	---	---	2-5	---	---
Sagebrush	ARTEM	30-45	30-45	---	---	---
Spiny hopsage	GRSP	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	15-25	---	---
Bud sagebrush	ARSP5	---	---	---	15-20	---
Shadscale	ATCO	---	---	---	30-40	---
Bailey greasewood	SAVEB	---	---	---	1-5	---

Range site number	023XY047NV	023XY047NV	023XY006NV	027XY013NV	None
Potential production (lb/acre):					
Favorable years	500	500	800	500	---
Normal years	350	350	600	300	---
Unfavorable years	200	200	400	100	---

1222-Ceejay-Verdico-Chalco association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Ceejay	Verdico	Chalco	1	2	3
Indian ricegrass	ORHY	2-8	2-8	2-8	5-15	2-8	---
Sandberg bluegrass	POSE	10-15	10-15	10-15	2-5	10-15	---
Desert needlegrass	STSP3	2-10	2-10	2-10	---	2-10	---
Bottlebrush squirreltail	SIHY	2-8	2-8	2-8	5-15	2-8	---
Thurber needlegrass	STTH2	2-5	2-5	2-5	---	2-5	---
Needleandthread	STCO4	---	---	---	1-3	---	---
Sagebrush	ARTEM	30-45	30-45	30-45	---	30-45	---
Winterfat	EULA5	---	---	---	2-5	---	---
Shadscale	ATCO	---	---	---	30-40	---	---
Bud sagebrush	ARSP5	---	---	---	20-30	---	---
Spiny hopsage	GRSP	---	---	---	2-5	---	---

Range site number	023XY047NV	023XY047NV	023XY047NV	024XY002NV	023XY047NV	None
Potential production (lb/acre):						
Favorable years	500	500	500	750	500	---
Normal years	350	350	350	450	350	---
Unfavorable years	200	200	200	300	200	---

1230-Singatse-Jaybee association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Singatse	Jaybee	1	2
Indian ricegrass	ORHY	15-25	2-8	---	2-8
Desert needlegrass	STSP3	5-15	2-10	---	2-10
Sandberg bluegrass	POSE	---	10-15	---	10-15
Bottlebrush squirreltail	SIHY	---	2-8	---	2-8
Thurber needlegrass	STTH2	---	2-5	---	2-5
Bud sagebrush	ARSP5	5-10	---	---	---
Shadscale	ATCO	15-25	---	---	---
Bailey greasewood	SAVEB	5-15	---	---	---
Nevada ephedra	EPNE	2-5	---	---	---
Sagebrush	ARTEM	---	30-45	---	30-45
Range site number		027XY027NV	023XY047NV	None	023XY047NV
Potential production (lb/acre):					
Favorable years		200	500	---	500
Normal years		100	350	---	350
Unfavorable years		50	200	---	200

1240-Labkey-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Labkey	Mazuma	1	2	3	4
Indian ricegrass	ORHY	10-20	5-15	---	10-25	50-70	---
Desert needlegrass	STSP3	1-5	---	---	---	---	---
Bottlebrush squirreltail	SIHY	5-10	5-15	---	5-15	---	---
Needleandthread	STCO4	---	1-3	---	---	5-15	---
Sandberg bluegrass	POSE	---	2-5	---	2-5	---	---
Inland saltgrass	DISPS2	---	---	5-10	---	---	---
Shadscale	ATCO	25-35	30-40	2-10	30-40	---	---
Bud sagebrush	ARSP5	2-10	20-30	---	15-20	---	---
Winterfat	EULA5	1-5	2-5	---	---	2-5	---
Bailey greasewood	SAVEB	15-25	---	---	1-5	---	---
Spiny hopsage	GRSP	---	2-5	---	---	1-5	---
Seepweed	SUAED	---	---	2-5	---	---	---
Black greasewood	SAVE4	---	---	40-60	---	---	---
Nevada dalea	PSPO	---	---	---	---	1-5	---
Fourwing saltbush	ATCA2	---	---	---	---	10-20	---

Range site number	027XY018NV	024XY002NV	027XY025NV	027XY013NV	027XY009NV	None
Potential production (lb/acre):						
Favorable years	500	750	500	500	800	---
Normal years	350	450	350	300	500	---
Unfavorable years	200	300	200	100	350	---

1250-Jerval-Dorper association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Jerval	Dorper	1	2	3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	10-20
Indian ricegrass	ORHY	10-25	10-25	10-25	10-25	2-5
Bottlebrush squirreltail	SIHY	5-15	5-15	5-15	5-15	5-15
Thurber needlegrass	STTH2	---	---	---	---	2-5
Bud sagebrush	ARSP5	15-20	15-20	15-20	15-20	---
Shadscale	ATCO	30-40	30-40	30-40	30-40	---
Bailey greasewood	SAVEB	1-5	1-5	1-5	1-5	---
Nevada ephedra	EPNE	---	---	---	---	2-5
Spiny hopsage	GRSP	---	---	---	---	10-20
Wyoming big sagebrush	ARTRW*	---	---	---	---	25-35
Range site number		027XY013NV	027XY013NV	027XY013NV	027XY013NV	027XY008NV
Potential production (lb/acre):						
Favorable years		500	500	500	500	900
Normal years		300	300	300	300	700
Unfavorable years		100	100	100	100	500

1251-Jerval-Kumiva association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jerval, 2 to 8 percent slopes	Jerval, 8 to 30 percent slopes	Kumiva	1	2	3	4
Needleandthread	STCO4	1-3	1-2	1-3	---	---	---	---
Bottlebrush squirreltail	SIHY	5-15	2-10	5-15	2-10	2-10	2-10	2-5
Indian ricegrass	ORHY	5-15	5-15	5-15	10-20	5-15	10-20	10-15
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-10	---	---
Thurber needlegrass	STTH2	---	---	---	---	10-20	---	2-8
Webber ricegrass	STWE	---	---	---	---	---	---	2-5
Desert needlegrass	STSP3	---	---	---	---	---	---	10-15
Phlox	PHLOX	---	1-4	---	---	1-2	---	---
Globemallow	SPHAE	---	1-4	---	---	1-2	---	---
Eveningprimrose	OENOT	---	1-2	---	---	---	---	---
Tapertip hawksbeard	CRAC2	---	---	---	---	1-2	---	---
Winterfat	EULA5	2-5	20-40	2-5	60-70	---	60-70	---
Shadscale	ATCO	30-40	2-5	30-40	---	---	---	---
Bud sagebrush	ARSP5	20-30	20-30	20-30	2-5	---	2-5	---
Spiny hopsage	GRSP	2-5	---	2-5	---	5-15	---	10-25
Wyoming big sagebrush	ARTRW*	---	---	---	---	30-35	---	20-30

Range site number	024XY002NV	024XY014NV	024XY002NV	024XY004NV	024XY020NV	024XY004NV	023XY038NV
Potential production (lb/acre):							
Favorable years	750	400	750	500	700	500	600
Normal years	450	300	450	350	450	350	450
Unfavorable years	300	200	300	200	300	200	300

1254-Jerval-Trocken association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jerval silt loam	Trocken	Jerval, bouldery	1	2	3	4
Needleandthread	STCO4	1-3	1-3	---	---	---	1-2	---
Bottlebrush squirreltail	SIHY	5-15	5-15	5-10	2-10	---	2-10	---
Indian ricegrass	ORHY	5-15	5-15	---	5-15	---	5-15	---
Sandberg bluegrass	POSE	2-5	2-5	---	2-10	---	2-5	---
Thurber needlegrass	STTH2	---	---	---	10-20	10-25	---	---
Basin wildrye	ELCI2	---	---	---	---	20-30	---	20-30
Alkali sacaton	SPAI	---	---	---	---	---	---	2-10
Inland saltgrass	DISPS2	---	---	---	---	---	---	2-5
Alkali cordgrass	SPGR	---	---	---	---	---	---	2-5
Alkali bluegrass	POJU	---	---	---	---	---	---	2-10
Globemallow	SPHAE	---	---	---	1-2	---	1-4	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---	---	---
Phlox	PHLOX	---	---	---	1-2	---	1-4	---
Eveningprimrose	OENOT	---	---	---	---	---	1-2	---
Winterfat	EULAS	2-5	2-5	---	---	---	20-40	---
Shadscale	ATCO	30-40	30-40	30-50	---	---	2-5	---
Bud sagebrush	ARSP5	20-30	20-30	5-15	---	---	20-30	---
Spiny hopsage	GRSP	2-5	2-5	---	5-15	5-10	---	---
Black greasewood	SAVE4	---	---	15-30	---	2-5	---	---
Seepweed	SUAED	---	---	2-15	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	30-35	---	---	---
Big sagebrush	ARTR2	---	---	---	---	15-25	---	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	2-10
Silver buffaloberry	SHAR	---	---	---	---	---	---	15-30

Range site number	024XY002NV	024XY002NV	024XY003NV	024XY020NV	023XY040NV	024XY014NV	024XY063NV
Potential production (lb/acre):							
Favorable years	750	750	600	700	1,000	400	1,800
Normal years	450	450	450	450	800	300	1,400
Unfavorable years	300	300	300	300	600	200	900

1255--Jerval-Veta association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Jerval	Veta	1	2	3
Indian ricegrass	ORHY	10-20	10-15	10-20	10-20	10-15
Desert needlegrass	STSP3	1-5	10-15	1-5	---	10-15
Bottlebrush squirreltail	SIHY	5-10	2-5	5-10	2-10	2-5
Webber ricegrass	STWE	---	2-5	---	---	2-5
Thurber needlegrass	STTH2	---	2-8	---	---	2-8
Shadscale	ATCO	25-35	---	25-35	---	---
Bud sagebrush	ARSP5	2-10	---	2-10	2-5	---
Winterfat	EULA5	1-5	---	1-5	60-70	---
Bailey greasewood	SAVEB	15-25	---	15-25	---	---
Wyoming big sagebrush	ARTRW*	---	20-30	---	---	20-30
Spiny hopsage	GRSP	---	10-25	---	---	10-25

Range site number	027XY018NV	023XY038NV	027XY018NV	024XY004NV	023XY038NV
Potential production (lb/acre):					
Favorable years	500	600	500	500	600
Normal years	350	450	350	350	450
Unfavorable years	200	300	200	200	300

1260-Sojur-Phliss association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Sojur	Phliss	1	2	3
Indian ricegrass	ORHY	15-25	---	---	5-10	---
Desert needlegrass	STSP3	5-15	---	---	20-30	---
Thurber needlegrass	STTH2	---	20-35	20-35	---	---
Sandberg bluegrass	POSE	---	2-8	2-8	---	---
Bottlebrush squirreltail	SIHY	---	---	---	2-5	---
Bud sagebrush	ARSP5	5-10	---	---	---	---
Shadscale	ATCO	15-25	---	---	5-15	---
Bailey greasewood	SAVEB	5-15	---	---	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	25-35	25-35	---	---
Spiny hopsage	GRSP	---	5-10	5-10	---	---
Littleleaf horsebrush	TEGL	---	---	---	10-20	---
Range site number		027XY027NV	027XY007NV	027XY007NV	027XY017NV	None
Potential production (lb/acre):						
Favorable years		200	700	700	400	---
Normal years		100	500	500	200	---
Unfavorable years		50	350	350	100	---

1270-Deadyon sandy loam, 4 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Deadyon	1	2	3	4
Basin wildrye	ELCI2	20-30	10-20	2-10	20-30	---
Thurber needlegrass	STTR2	10-25	---	10-20	10-25	2-5
Sandberg bluegrass	POSE	---	2-5	---	---	10-20
Indian ricegrass	ORHY	---	2-10	---	---	2-5
Bottlebrush squirreltail	SIHY	---	2-5	---	---	5-15
Bluebunch wheatgrass	AGSP	---	---	40-60	---	---
Lupine	LUPIN	---	1-2	---	---	---
Princesplume	STANL	---	1-2	---	---	---
Phlox	PHLOX	---	1-2	---	---	---
Globemallow	SPHAE	---	1-2	---	---	---
Black greasewood	SAVE4	2-5	2-10	---	2-5	---
Big sagebrush	ARTR2	15-25	---	10-20	15-25	---
Spiny hopsage	GRSP	5-10	15-30	---	5-10	10-20
Basin big sagebrush	ARTRT*	---	15-25	---	---	---
Rubber rabbitbrush	CHNA2	---	2-5	---	---	---
Anderson peachbrush	FRAN2	---	2-10	---	---	---
Douglas rabbitbrush	CHVI8	---	1-2	---	---	---
Antelope bitterbrush	PUTR2	---	---	2-5	---	---
Nevada ephedra	EPNE	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	25-35

Range site number	023XY040NV	024XY041NV	023XY039NV	023XY040NV	027XY008NV
Potential production (lb/acre):					
Favorable years	1,000	1,000	900	1,000	900
Normal years	800	800	700	800	700
Unfavorable years	600	600	500	600	500

1290-Hutchley-Terca association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Hutchley	Terca	1	2	3	4
Bluegrass	POA++	5-15	---	2-8	---	2-8	---
Idaho fescue	FEID	10-20	---	30-40	---	30-40	---
Bluebunch wheatgrass	AGSP	---	40-60	15-35	50-70	20-30	---
Thurber needlegrass	STTH2	---	10-20	2-8	5-10	2-5	---
Basin wildrye	ELCI2	---	2-10	5-15	2-10	2-5	---
Goldenweed	HAPLO2	2-5	---	---	---	---	---
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---	---
Low sagebrush	ARAR8	35-45	---	---	---	10-20	---
Antelope bitterbrush	PUTR2	---	2-5	2-10	2-5	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	10-20	5-15	---	---
Range site number		023XY008NV	023XY039NV	023XY007NV	023XY016NV	023XY017NV	None
Potential production (lb/acre):							
Favorable years		400	900	1,600	1,500	900	---
Normal years		250	700	1,200	1,100	700	---
Unfavorable years		200	500	900	800	500	---

1310-Hooplite-Singatse association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Hooplite	Singatse	1	2	3	4
Sandberg bluegrass	POSE	30-40	---	---	---	---	---
Thurber needlegrass	STTH2	2-10	---	10-20	---	---	---
Indian ricegrass	ORHY	---	15-25	---	---	15-25	15-25
Desert needlegrass	STSP3	---	5-15	---	---	5-15	---
Bluebunch wheatgrass	AGSP	---	---	40-60	---	---	---
Basin wildrye	ELCI2	---	---	2-10	---	---	5-15
Black sagebrush	ARARN	25-35	---	---	---	---	---
Bud sagebrush	ARSP5	---	5-10	---	---	5-10	---
Shadscale	ATCO	---	15-25	---	---	15-25	---
Bailey greasewood	SAVEB	---	5-15	---	---	5-15	---
Nevada ephedra	EPNE	---	2-5	---	---	2-5	---
Antelope bitterbrush	PUTR2	---	---	2-5	---	---	---
Big sagebrush	ARTR2	---	---	10-20	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	---	10-20
Rabbitbrush	CHRS9	---	---	---	---	---	2-10

Range site number	027XY032NV	027XY027NV	023XY039NV	None	027XY027NV	027XY029NV
Potential production (lb/acre):						
Favorable years	500	200	900	---	200	800
Normal years	300	100	700	---	100	500
Unfavorable years	200	50	500	---	50	300

1320-Jaybee-Theon-Singatse association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Jaybee	Theon	Singatse	1	2	3	4
Indian ricegrass	ORHY	2-8	10-25	15-25	---	2-8	5-15	5-15
Sandberg bluegrass	POSE	10-15	2-5	---	---	10-15	2-5	---
Desert needlegrass	STSP3	2-10	---	5-15	---	2-10	---	5-15
Bottlebrush squirreltail	SIHY	2-8	5-15	---	---	2-8	---	2-5
Thurber needlegrass	STTH2	2-5	---	---	---	2-5	20-40	---
Webber ricegrass	STWE	---	---	---	---	---	2-8	---
Basin wildrye	ELCI2	---	---	---	---	---	2-5	---
Sagebrush	ARTEM	30-45	---	---	---	30-45	---	---
Bud sagebrush	ARSP5	---	15-20	5-10	---	---	---	2-8
Shadscale	ATCO	---	30-40	15-25	---	---	---	30-50
Bailey greasewood	SAVEB	---	1-5	5-15	---	---	---	5-15
Nevada ephedra	EPNE	---	---	2-5	---	---	---	2-5
Spiny hopsage	GRSP	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	15-25	---
Winterfat	EULAS	---	---	---	---	---	---	2-5

Range site number	023XY047NV	027XY013NV	027XY027NV	None	023XY047NV	023XY006NV	027XY019NV
Potential production (lb/acre):							
Favorable years	500	500	200	---	500	800	400
Normal years	350	300	100	---	350	600	200
Unfavorable years	200	100	50	---	200	400	100

1340-Phing stony sandy loam, 2 to 8 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Phing	1	2
Indian ricegrass	ORHY	2-8	10-15	2-8
Sandberg bluegrass	POSE	10-15	---	10-15
Desert needlegrass	STSP3	2-10	10-15	2-10
Bottlebrush squirreltail	SIHY	2-8	2-5	2-8
Thurber needlegrass	STTH2	2-5	2-8	2-5
Webber ricegrass	STWE	---	2-5	---
Sagebrush	ARTEM	30-45	---	30-45
Wyoming big sagebrush	ARTRW*	---	20-30	---
Spiny hopsage	GRSP	---	10-25	---

Range site number	023XY047NV	023XY038NV	023XY047NV
Potential production (lb/acre):			
Favorable years	500	600	500
Normal years	350	450	350
Unfavorable years	200	300	200

1360-Mastly-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Mastly	Mazuma	1	2	3
Western wheatgrass	AGSM	5-15	---	---	---	5-15
Basin wildrye	ELCI2	50-60	---	2-5	2-5	50-60
Bottlebrush squirreltail	SIHY	---	5-10	2-5	---	---
Indian ricegrass	ORHY	---	---	30-40	40-50	---
Needleandthread	STCO4	---	---	5-15	10-20	---
Black greasewood	SAVE4	2-10	15-30	---	10-15	2-10
Basin big sagebrush	ARTRT*	10-20	---	10-25	---	10-20
Rubber rabbitbrush	CHNA2	2-5	---	---	---	2-5
Shadscale	ATCO	---	30-50	---	---	---
Seepweed	SUAED	---	2-15	---	---	---
Bud sagebrush	ARSP5	---	5-15	---	---	---
Spiny hopsage	GRSP	---	---	5-10	---	---
Fourwing saltbush	ATCA2	---	---	2-8	---	---
Winterfat	EULA5	---	---	---	5-10	---
Dalea	DALEA	---	---	---	2-5	---

Range site number	024XY006NV	024XY003NV	023XY011NV	027XY012NV	024XY006NV
Potential production (lb/acre):					
Favorable years	1,500	600	800	700	1,500
Normal years	1,100	450	600	450	1,100
Unfavorable years	600	300	300	200	600

1370-Theon-Jaybee association

Common plant name	Plant	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Theon	Jaybee	1	2	3	4
Desert needlegrass	STSP3	5-15	2-10	2-10	---	---	---
Indian ricegrass	ORHY	5-15	2-8	2-8	---	10-25	10-25
Bottlebrush squirreltail	SIHY	2-5	2-8	2-8	---	5-15	5-15
Sandberg bluegrass	POSE	---	10-15	10-15	---	2-5	2-5
Thurber needlegrass	STTH2	---	2-5	2-5	---	---	---
Shadscale	ATCO	30-50	---	---	---	30-40	30-40
Bailey greasewood	SAVEB	5-15	---	---	---	1-5	1-5
Nevada ephedra	EPNE	2-5	---	---	---	---	---
Bud sagebrush	ARSP5	2-8	---	---	---	15-20	15-20
Winterfat	EULA5	2-5	---	---	---	---	---
Sagebrush	ARTEM	---	30-45	30-45	---	---	---

Range site number	027XY019NV	023XY047NV	023XY047NV	None	027XY013NV	027XY013NV
Potential production (lb/acre):						
Favorable years	400	500	500	---	500	500
Normal years	200	350	350	---	300	300
Unfavorable years	100	200	200	---	100	100

1372-Theon-Old Camp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Theon	Old Camp	1	2	3	4
Desert needlegrass	STSP3	5-15	---	20-30	1-5	---	---
Indian ricegrass	ORHY	5-15	---	5-10	10-20	15-25	---
Bottlebrush squirreltail	SIHY	2-5	---	2-5	5-10	---	---
Thurber needlegrass	STTH2	---	20-35	---	---	---	---
Sandberg bluegrass	POSE	---	2-8	---	---	---	---
Basin wildrye	ELCI2	---	---	---	---	5-15	---
Shadscale	ATCO	30-50	---	5-15	25-35	---	---
Bailey greasewood	SAVEB	5-15	---	---	15-25	---	---
Nevada ephedra	EPNE	2-5	2-5	---	---	---	---
Bud sagebrush	ARSP5	2-8	---	---	2-10	---	---
Winterfat	EULA5	2-5	---	---	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	25-35	---	---	---	---
Spiny hopsage	GRSP	---	5-10	---	---	10-20	---
Littleleaf horsebrush	TEGL	---	---	10-20	---	---	---
Big sagebrush	ARTR2	---	---	---	---	20-30	---
Rabbitbrush	CHRS9	---	---	---	---	2-10	---

Range site number	027XY019NV	027XY007NV	027XY017NV	027XY018NV	027XY029NV	None
Potential production (lb/acre):						
Favorable years	400	700	400	500	800	---
Normal years	200	500	200	350	500	---
Unfavorable years	100	350	100	200	300	---

1373-Theon-Trocken-Singatse association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Theon	Trocken	Singatse	1	2	3
Indian ricegrass	ORHY	5-10	10-20	15-25	---	10-20	---
Desert needlegrass	STSP3	20-30	1-5	5-15	15-25	---	---
Bottlebrush squirreltail	SIHY	2-5	5-10	---	5-10	2-10	---
Thurber needlegrass	STTH2	---	---	---	2-5	---	---
Littleleaf horsebrush	TEGL	10-20	---	---	---	---	---
Shadscale	ATCO	5-15	25-35	15-25	---	---	---
Bud sagebrush	ARSP5	---	2-10	5-10	---	2-5	---
Winterfat	EULA5	---	1-5	---	---	60-70	---
Bailey greasewood	SAVEB	---	15-25	5-15	---	---	---
Nevada ephedra	EPNE	---	---	2-5	---	---	---
Green ephedra	EPVI	---	---	---	5-15	---	---
Spiny hopsage	GRSP	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	15-20	---	---
Douglas rabbitbrush	CHV18	---	---	---	2-5	---	---

Range site number	027XY017NV	027XY018NV	027XY027NV	026XY022NV	024XY004NV	None
Potential production (lb/acre):						
Favorable years	400	500	200	600	500	---
Normal years	200	350	100	450	350	---
Unfavorable years	100	200	50	300	200	---

1392-Ninemile-Newlands association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Ninemile	Newlands	1	2	3	4
Idaho fescue	FEID	30-40	30-40	5-10	10-20	---	1-5
Bluebunch wheatgrass	AGSP	20-30	15-35	20-35	---	---	---
Basin wildrye	ELCI2	2-5	5-15	5-10	---	---	---
Thurber needlegrass	STTH2	2-5	2-8	---	---	---	---
Bluegrass	POA++	2-8	2-8	5-10	5-15	---	---
Needlegrass	STIPA	---	---	2-10	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	1-5
Big squirreltail	SIJU	---	---	---	---	---	1-5
Melic	MELIC	---	---	---	---	---	1-5
Mountain brome	BRCAS	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	1-5
Goldenweed	HAPLO2	---	---	---	2-5	---	---
Meadowrue	THALI2	---	---	---	---	---	1-5
Low sagebrush	ARAR8	10-20	---	---	35-45	---	---
Mountain big sagebrush	ARVA2	---	10-20	5-15	---	---	1-5
Antelope bitterbrush	PUTR2	---	2-10	15-25	---	---	---
Douglas rabbitbrush	CHVI8	---	---	---	2-5	---	---
Snowberry	SYMPH	---	---	---	---	---	1-5
Quaking aspen	POTRT	---	---	---	---	---	1-5
Range site number		023XY017NV	023XY007NV	023XY015NV	023XY008NV	None	023XY028NV
Potential production (lb/acre):							
Favorable years		900	1,600	1,500	400	---	600
Normal years		700	1,200	1,200	250	---	400
Unfavorable years		500	900	900	200	---	250

1401-Dedmount-Umberland association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Dedmount	Umberland	1	2	3	4
Western wheatgrass	AGSM	5-15	---	---	---	---	---
Basin wildrye	ELCI2	50-60	---	---	---	40-60	---
Inland saltgrass	DISPS2	---	60-90	---	---	---	---
Webber ricegrass	STWE	---	---	---	2-5	---	---
Thurber needlegrass	STH2	---	---	---	2-8	---	---
Indian ricegrass	ORHY	---	---	---	10-15	---	---
Desert needlegrass	STSP3	---	---	---	10-15	---	---
Bottlebrush squirreltail	SIHY	---	---	---	2-5	---	5-10
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Thelypody	THELY	---	---	---	---	1-3	---
Povertyweed	IVAX	---	---	---	---	2-5	---
Black greasewood	SAVE4	2-10	2-5	---	---	---	15-30
Basin big sagebrush	ARTRT*	10-20	---	---	---	5-15	---
Rubber rabbitbrush	CHNA2	2-5	---	---	---	---	---
Seepweed	SUAED	---	2-5	---	---	---	2-15
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---	---
Spiny hopsage	GRSP	---	---	---	10-25	---	---
Shadscale	ATCO	---	---	---	---	---	30-50
Bud sagebrush	ARSP5	---	---	---	---	---	5-15

Range site number	024XY006NV	026XY002NV	None	023XY038NV	023XY005NV	024XY003NV
Potential production (lb/acre):						
Favorable years	1,500	2,000	---	600	3,000	600
Normal years	1,100	1,700	---	450	2,000	450
Unfavorable years	600	1,200	---	300	1,300	300

1420--Perwaso complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Perwaso, occasionally flooded	Perwaso, rarely flooded	1	2	3
Basin wildrye	ELCI2	20-40	---	---	20-40	20-40
Inland saltgrass	DISPS2	---	5-10	---	---	---
Indian ricegrass	ORHY	---	---	10-20	---	---
Desert needlegrass	STSP3	---	---	1-5	---	---
Bottlebrush squirreltail	SIHY	---	---	5-10	---	---
Black greasewood	SAVE4	5-15	40-60	---	5-15	5-15
Torrey quailbush	ATTO	30-50	---	---	30-50	30-50
Basin big sagebrush	ARTRT*	2-10	---	---	2-10	2-10
Seepweed	SUAED	---	2-5	---	---	---
Shadscale	ATCO	---	2-10	25-35	---	---
Bud sagebrush	ARSP5	---	---	2-10	---	---
Winterfat	EULAS	---	---	1-5	---	---
Bailey greasewood	SAVEB	---	---	15-25	---	---

Range site number	024XY015NV	027XY025NV	027XY018NV	024XY015NV	024XY015NV
Potential production (lb/acre):					
Favorable years	1,500	500	500	1,500	1,500
Normal years	1,200	350	350	1,200	1,200
Unfavorable years	800	200	200	800	800

1430-Slaw complex

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Slaw, rarely flooded	Slaw, occasionally flooded	1	2
Inland saltgrass	DISPS2	5-10	---	---	---
Basin wildrye	ELCI2	---	20-40	---	20-40
Indian ricegrass	ORHY	---	---	10-20	---
Desert needlegrass	STSP3	---	---	1-5	---
Bottlebrush squirreltail	SIHY	---	---	5-10	---
Seepweed	SUAED	2-5	---	---	---
Black greasewood	SAVE4	40-60	5-15	---	5-15
Shadscale	ATCO	2-10	---	25-35	---
Torrey quailbush	ATTO	---	30-50	---	30-50
Basin big sagebrush	ARTRT*	---	2-10	---	2-10
Bud sagebrush	ARSP5	---	---	2-10	---
Winterfat	EULA5	---	---	1-5	---
Bailey greasewood	SAVEB	---	---	15-25	---

Range site number	027XY025NV	024XY015NV	027XY018NV	024XY015NV
Potential production (lb/acre):				
Favorable years	500	1,500	500	1,500
Normal years	350	1,200	350	1,200
Unfavorable years	200	800	200	800

1440-Umberland silty clay loam

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name	Inclusion number--			
		Umberland	1	2	3	4
Alkali sacaton	SPAI	15-30	30-40	---	---	---
Basin wildrye	ELCI2	40-60	---	---	20-40	---
Inland saltgrass	DISPS2	5-10	10-20	60-90	---	---
Wildrye	ELYMU	---	2-5	---	---	---
Baltic rush	JUBA	---	2-5	---	---	---
Wheatgrass	AGROP2	---	2-5	---	---	---
Rabbitbrush	CHRY9	2-5	---	---	---	---
Black greasewood	SAVE4	5-15	5-10	2-5	5-15	---
Iodinebush	ALOC2	---	2-5	---	---	---
Seepweed	SUAED	---	2-5	2-5	---	---
Torrey quailbush	ATTO	---	---	---	30-50	---
Basin big sagebrush	ARTRT*	---	---	---	2-10	---
Range site number		024XY007NV	027XY005NV	026XY002NV	024XY015NV	None
Potential production (lb/acre):						
Favorable years		1,900	2,500	2,000	1,500	---
Normal years		1,400	2,000	1,700	1,200	---
Unfavorable years		800	1,500	1,200	800	---

1442-Umberland-Benin association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Umberland	Benin	1	2	3
Alkali sacaton	SPAI	15-30	---	5-10	---	---
Basin wildrye	ELCI2	40-60	5-15	50-60	1-5	---
Inland saltgrass	DISPS2	5-10	5-10	5-10	---	---
Creeping wildrye	ELTR3	---	---	5-10	1-5	---
Western wheatgrass	AGSM	---	---	---	1-5	---
Slender wheatgrass	AGTR	---	---	---	1-5	---
Sedge	CAREX	---	---	---	1-5	---
Rush	JUNCU	---	---	---	1-5	---
Needleandthread	STCO4	---	---	---	---	1-3
Bottlebrush squirreltail	SIHY	---	---	---	---	5-15
Indian ricegrass	ORHY	---	---	---	---	5-15
Sandberg bluegrass	POSE	---	---	---	---	2-5
Rabbitbrush	CHRYB9	2-5	---	2-5	---	---
Black greasewood	SAVE4	5-15	60-75	10-20	---	---
Basin big sagebrush	ARTRT*	---	---	---	1-5	---
Woods rose	ROWO	---	---	---	1-5	---
Winterfat	EULA5	---	---	---	---	2-5
Shadscale	ATCO	---	---	---	---	30-40
Bud sagebrush	ARSP5	---	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	2-5
Willow	SALIX	---	---	---	1-5	---
Fremont cottonwood	POFR2	---	---	---	1-5	---

Range site number	024XY007NV	024XY011NV	027XY006NV	023XY034NV	024XY002NV
Potential production (lb/acre):					
Favorable years	1,900	500	2,000	3,000	750
Normal years	1,400	350	1,500	2,500	450
Unfavorable years	800	200	1,000	1,500	300

1443-Umberland-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Umberland silt loam	Ragtown	Umberland, ponded	1	2
Basin wildrye	ELCI2	20-40	---	---	---	---
Inland saltgrass	DISPS2	---	5-10	60-90	---	---
Nevada bluegrass	PONE3	---	---	---	---	10-15
Sedge	CAREX	---	---	---	---	15-30
Tufted hairgrass	DECE	---	---	---	---	20-40
Rush	JUNCU	---	---	---	---	10-20
Meadow barley	HOBR2	---	---	---	---	5-10
Black greasewood	SAVE4	5-15	40-60	2-5	---	---
Torrey quailbush	ATTO	30-50	---	---	---	---
Basin big sagebrush	ARTRT*	2-10	---	---	---	---
Seepweed	SUAED	---	2-5	2-5	---	---
Shadscale	ATCO	---	2-10	---	---	---
Range site number		024XY015NV	027XY025NV	026XY002NV	None	027XY004NV
Potential production (lb/acre):						
Favorable years		1,500	500	2,000	---	2,500
Normal years		1,200	350	1,700	---	1,500
Unfavorable years		800	200	1,200	---	1,000

1444-Umberland silty clay loam, ponded

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Umberland	1	2
Inland saltgrass	DISPS2	20-30	5-10	---
Basin wildrye	ELCI2	---	---	20-40
Iodinebush	ALOC2	50-60	---	---
Seepweed	SUAED	---	2-5	---
Black greasewood	SAVE4	---	40-60	5-15
Shadscale	ATCO	---	2-10	---
Torrey quailbush	ATTO	---	---	30-50
Basin big sagebrush	ARTRT*	---	---	2-10

Range site number	027XY077NV	027XY025NV	024XY015NV
Potential production (lb/acre):			
Favorable years	100	500	1,500
Normal years	75	350	1,200
Unfavorable years	50	200	800

1445-Umberland-Playas-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name			Inclusion number--	
		Umberland	Playas	Ragtown	1	2
Inland saltgrass	DISPS2	60-90	---	5-10	60-90	---
Seepweed	SUAED	2-5	---	2-5	2-5	---
Black greasewood	SAVE4	2-5	---	40-60	2-5	---
Shadscale	ATCO	---	---	2-10	---	---
Range site number		026XY002NV	None	027XY025NV	026XY002NV	None
Potential production (lb/acre):						
Favorable years		2,000	---	500	2,000	---
Normal years		1,700	---	350	1,700	---
Unfavorable years		1,200	---	200	1,200	---

1446-Umberland association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Umberland, ponded	Umberland, unponded	1	2	3	4
Inland saltgrass	DISPS2	20-30	5-10	20-30	---	5-15	60-90
Basin wildrye	ELCI2	---	5-15	---	20-40	---	---
Alkali bluegrass	POJU	---	---	---	---	30-50	---
Baltic rush	JUBA	---	---	---	---	5-15	---
Alkali sacaton	SPAI	---	---	---	---	5-20	---
Cinquefoil	POTEN	---	---	---	---	2-5	---
Arrow-grass	TRIGL	---	---	---	---	2-5	---
Iodinebush	ALOC2	50-60	---	50-60	---	---	---
Black greasewood	SAVE4	---	60-75	---	5-15	---	2-5
Torrey quailbush	ATTO	---	---	---	30-50	---	---
Basin big sagebrush	ARTRT*	---	---	---	2-10	---	---
Seepweed	SUAED	---	---	---	---	---	2-5

Range site number	027XY077NV	024XY011NV	027XY077NV	024XY015NV	024XY043NV	026XY002NV
Potential production (lb/acre):						
Favorable years	100	500	100	1,500	3,000	2,000
Normal years	75	350	75	1,200	2,000	1,700
Unfavorable years	50	200	50	800	1,000	1,200

1447-Umberland-Dedmount association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Dedmount	Umberland, unponded	Umberland, ponded	1	2	3	4
Western wheatgrass	AGSM	5-15	---	---	5-15	---	---	---
Basin wildrye	ELCI2	50-60	20-40	---	50-60	5-20	40-60	---
Inland saltgrass	DISPS2	---	---	60-90	---	---	5-10	---
Bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---	---
Indian ricegrass	ORHY	---	---	---	---	2-5	---	---
Alkali sacaton	SPAI	---	---	---	---	---	15-30	---
Globemallow	SPHAE	---	---	---	---	1-2	---	---
Thelypody	THELY	---	---	---	---	2-4	---	---
Black greasewood	SAVE4	2-10	5-15	2-5	2-10	20-30	5-15	---
Basin big sagebrush	ARTRT*	10-20	2-10	---	10-20	---	---	---
Rubber rabbitbrush	CHNA2	2-5	---	---	2-5	---	---	---
Torrey quailbush	ATTO	---	30-50	---	---	---	---	---
Seepweed	SUAED	---	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	---	---	---	10-25	---	---
Spiny hopsage	GRSP	---	---	---	---	5-15	---	---
Rabbitbrush	CHRS9	---	---	---	---	---	2-5	---

Range site number	024XY006NV	024XY015NV	026XY002NV	024XY006NV	024XY022NV	024XY007NV	None
Potential production (lb/acre):							
Favorable years	1,500	1,500	2,000	1,500	800	1,900	---
Normal years	1,100	1,200	1,700	1,100	600	1,400	---
Unfavorable years	600	800	1,200	600	350	800	---

1460-Chalco association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name		Inclusion number--		
		Chalco	Chalco, dry	1	2	3
Bottlebrush squirreltail	SIHY	5-10	---	5-10	---	---
Thurber needlegrass	STTH2	20-40	---	20-40	5-15	---
Sandberg bluegrass	POSE	5-15	---	5-15	---	---
Indian ricegrass	ORHY	5-10	2-8	5-10	---	---
Desert needlegrass	STSP3	---	15-25	---	---	---
Bluebunch wheatgrass	AGSP	---	5-15	---	40-60	---
Bluegrass	POA++	---	---	---	2-8	---
Hooker balsamroot	BAHO	---	---	---	2-5	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---
Littleleaf horsebrush	TEGL	2-5	---	2-5	---	---
Low sagebrush	ARAR8	10-20	---	10-20	---	---
Purple sage	SADOC2	---	10-20	---	---	---
Wyoming big sagebrush	ARTRW*	---	5-15	---	---	---
Ephedra	EPHED	---	2-8	---	---	---
Sagebrush	ARTEM	---	---	---	10-20	---

Range site number	026XY025NV	023XY030NV	026XY025NV	023XY037NV	None
Potential production (lb/acre):					
Favorable years	400	500	400	700	---
Normal years	300	300	300	600	---
Unfavorable years	200	150	200	400	---

1461-Chalco-Pickup association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Chalco very gravelly clay loam	Chalco very gravelly loam	Pickup	1	2	3	4
Desert needlegrass	STSP3	15-25	---	---	---	---	---	---
Indian ricegrass	ORHY	2-8	5-10	---	---	---	---	---
Bluebunch wheatgrass	AGSP	5-15	---	40-60	20-50	---	20-40	---
Bottlebrush squirreltail	SIHY	---	5-10	---	---	---	---	---
Thurber needlegrass	STTH2	---	20-40	5-15	10-20	---	2-5	---
Sandberg bluegrass	POSE	---	5-15	---	---	---	---	---
Bluegrass	POA++	---	---	2-8	5-10	---	---	---
Basin wildrye	ELCI2	---	---	---	---	---	10-20	1-5
Canby bluegrass	POCA	---	---	---	---	---	2-5	---
Western wheatgrass	AGSM	---	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	---	1-5
Creeping wildrye	ELTR3	---	---	---	---	---	---	1-5
Sedge	CAREX	---	---	---	---	---	---	1-5
Rush	JUNCU	---	---	---	---	---	---	1-5
Hooker balsamroot	BAHO	---	---	2-5	---	---	---	---
Tapertip hawksbeard	CRAC2	---	---	1-2	---	---	---	---
Purple sage	SADOC2	10-20	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	5-15	---	---	---	---	---	---
Ephedra	EPHED	2-8	---	---	---	---	---	---
Littleleaf horsebrush	TEGL	---	2-5	---	---	---	---	---
Low sagebrush	ARAR8	---	10-20	---	10-20	---	---	---
Sagebrush	ARTEM	---	---	10-20	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	---	---	---	5-15	---
Antelope bitterbrush	PUTR2	---	---	---	---	---	2-10	---
Basin big sagebrush	ARTRT*	---	---	---	---	---	---	1-5
Woods rose	ROWO	---	---	---	---	---	---	1-5
Willow	SALIX	---	---	---	---	---	---	1-5
Fremont cottonwood	POFR2	---	---	---	---	---	---	1-5

Range site number	023XY030NV	026XY025NV	023XY037NV	023XY031NV	None	023XY041NV	023XY034NV
Potential production (lb/acre):							
Favorable years	500	400	700	900	---	1,400	3,000
Normal years	300	300	600	700	---	1,200	2,500
Unfavorable years	150	200	400	500	---	900	1,500

1470-Squawval-Hutchley-Tosp association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Squawval	Hutchley	Tosp	1	2	3	4
Mountain brome	BRCAS	20-40	---	1-5	20-40	5-15	---	---
Needlegrass	STIPA	10-20	---	---	10-20	---	---	---
Basin wildrye	ELCI2	5-10	---	---	5-10	---	---	---
Bluegrass	POA++	5-10	5-15	---	5-10	---	5-10	---
Idaho fescue	FEID	2-5	10-20	1-5	2-5	---	---	---
Nevada bluegrass	PONE3	---	---	1-5	---	---	---	---
Big squirreltail	SIJU	---	---	1-5	---	---	---	---
Melic	MELIC	---	---	1-5	---	---	---	---
Slender wheatgrass	AGTR	---	---	1-5	---	5-10	---	---
Columbia needlegrass	STNE3	---	---	---	---	5-15	---	---
Tufted hairgrass	DECE	---	---	---	---	---	30-50	---
Meadow barley	HOBR2	---	---	---	---	---	5-10	---
Mannagrass	GLYCE	---	---	---	---	---	5-10	---
Rush	JUNCU	---	---	---	---	---	5-10	---
Sedge	CAREX	---	---	---	---	---	5-10	---
Goldenweed	HAPLO2	---	2-5	---	---	---	---	---
Meadowrue	THALI2	---	---	1-5	---	---	---	---
Snowberry	SYMPH	2-5	---	1-5	2-5	2-5	---	---
Mountain big sagebrush	ARVA2	10-20	---	1-5	10-20	---	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---	---
Low sagebrush	ARAR8	---	35-45	---	---	---	---	---
Quaking aspen	POTRT	---	---	1-5	---	30-45	---	---

Range site number	023XY019NV	023XY008NV	023XY028NV	023XY019NV	023XY027NV	023XY025NV	None
Potential production (lb/acre):							
Favorable years	2,200	400	600	2,200	800	4,000	---
Normal years	1,800	250	400	1,800	500	3,000	---
Unfavorable years	1,500	200	250	1,500	300	2,000	---

1480-Eaglerock-Wagore association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Eaglerock	Wagore	1	2	3	4
Bluebunch wheatgrass	AGSP	50-70	20-40	---	20-50	50-70	---
Thurber needlegrass	STH2	5-10	2-5	---	10-20	5-10	---
Basin wildrye	ELCI2	2-10	10-20	---	---	2-10	---
Canby bluegrass	POCA	---	2-5	---	---	---	---
Bluegrass	POA++	---	---	---	5-10	---	---
Idaho fescue	FEID	---	---	---	---	---	1-5
Nevada bluegrass	PONE3	---	---	---	---	---	1-5
Big squirreltail	SIJU	---	---	---	---	---	1-5
Melic	MELIC	---	---	---	---	---	1-5
Mountain brome	BRCA5	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	1-5
Meadowrue	THALI2	---	---	---	---	---	1-5
Mountain big sagebrush	ARVA2	5-15	5-15	---	---	5-15	1-5
Antelope bitterbrush	PUTR2	2-5	2-10	---	---	2-5	---
Low sagebrush	ARAR8	---	---	---	10-20	---	---
snowberry	SYMPH	---	---	---	---	---	1-5
Quaking aspen	POTRT	---	---	---	---	---	1-5

Range site number	023XY016NV	023XY041NV	None	023XY031NV	023XY016NV	023XY028NV
Potential production (lb/acre):						
Favorable years	1,500	1,400	---	900	1,500	600
Normal years	1,100	1,200	---	700	1,100	400
Unfavorable years	800	900	---	500	800	250

1490-Berit-Deanran-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Berit	Deanran	Rock outcrop	1	2	3	4
Bluebunch wheatgrass	AGSP	1-5	1-5	---	5-15	1-5	---	40-60
Bluegrass	POA++	1-5	1-5	---	---	1-5	1-5	---
Idaho fescue	FEID	1-5	1-5	---	---	1-5	---	---
Needlegrass	STIPA	1-5	1-5	---	---	1-5	---	---
Squirreltail	SITAN	1-5	1-5	---	---	1-5	---	---
Desert needlegrass	STSP3	---	---	---	15-25	---	---	---
Indian ricegrass	ORHY	---	---	---	2-8	---	---	---
Thurber needlegrass	STH2	---	---	---	---	---	1-5	10-20
Bottlebrush squirreltail	SIHY	---	---	---	---	---	1-5	---
Webber ricegrass	STWE	---	---	---	---	---	1-5	---
Basin wildrye	ELCI2	---	---	---	---	---	---	2-10
Hooker balsamroot	BAHO	---	---	---	---	---	1-5	---
Purple sage	SADOC2	1-5	1-5	---	10-20	1-5	1-5	---
Desert snowberry	SYLO	1-5	1-5	---	---	1-5	---	---
Mountain big sagebrush	ARVA2	1-5	1-5	---	---	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	5-15	---	---	---
Ephedra	EPHED	---	---	---	2-8	---	---	---
Low sagebrush	ARAR8	---	---	---	---	---	1-5	---
Antelope bitterbrush	PUTR2	---	---	---	---	---	1-5	2-5
Big sagebrush	ARTR2	---	---	---	---	---	---	10-20
Utah juniper	JUOS	1-5	1-5	---	---	1-5	1-5	---

Range site number	023XY036NV	023XY036NV	None	023XY030NV	023XY036NV	023XY035NV	023XY039NV
Potential production (lb/acre):							
Favorable years	600	600	---	500	600	450	900
Normal years	450	450	---	300	450	350	700
Unfavorable years	300	300	---	150	300	250	500

1491-Berit-Noslo-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Berit	Noslo	Rock outcrop	1	2	3
Bluebunch wheatgrass	AGSP	1-5	40-60	---	40-60	---	30-40
Bluegrass	POA++	1-5	---	---	2-8	---	---
Idaho fescue	FEID	1-5	---	---	---	---	---
Needlegrass	STIPA	1-5	---	---	---	---	---
Squirreltail	SITAN	1-5	---	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	---	5-15	---	15-20
Basin wildrye	ELCI2	---	2-10	---	---	---	5-10
Indian ricegrass	ORHY	---	---	---	---	5-10	---
Desert needlegrass	STSP3	---	---	---	---	20-30	---
Bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---
Canby bluegrass	POCA	---	---	---	---	---	2-5
Hooker balsamroot	BAHO	---	---	---	2-5	---	---
Tapertip hawksbeard	CRAC2	---	---	---	1-2	---	---
Purple sage	SADOC2	1-5	---	---	---	---	---
Desert snowberry	SYLO	1-5	---	---	---	---	---
Mountain big sagebrush	ARVA2	1-5	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	2-10
Big sagebrush	ARTR2	---	10-20	---	---	---	15-20
Sagebrush	ARTEM	---	---	---	10-20	---	---
Littleleaf horsebrush	TEGL	---	---	---	---	10-20	---
Shadscale	ATCO	---	---	---	---	5-15	---
Rabbitbrush	CHRS9	---	---	---	---	---	2-5
Utah juniper	JUOS	1-5	---	---	---	---	---

Range site number	023XY036NV	023XY039NV	None	023XY037NV	027XY017NV	023XY020NV
Potential production (lb/acre):						
Favorable years	600	900	---	700	400	1,100
Normal years	450	700	---	600	200	900
Unfavorable years	300	500	---	400	100	600

1500-Hastee-Granipeak-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Hastee	Granipeak	Rock outcrop	1	2	3	4
Mountain brome	BRCAS	20-40	---	---	---	20-40	---	1-5
Needlegrass	STIPA	10-20	---	---	---	10-20	---	---
Basin wildrye	ELCI2	5-10	10-15	---	---	5-10	---	---
Bluegrass	POA++	5-10	2-5	---	5-15	5-10	5-10	---
Idaho fescue	FEID	2-5	---	---	10-20	2-5	---	1-5
Bluebunch wheatgrass	AGSP	---	30-40	---	---	---	---	---
Letterman needlegrass	STLE4	---	2-5	---	---	---	---	---
Tufted hairgrass	DECE	---	---	---	---	---	30-50	---
Meadow barley	HOBR2	---	---	---	---	---	5-10	---
Mannagrass	GLYCE	---	---	---	---	---	5-10	---
Rush	JUNCU	---	---	---	---	---	5-10	---
Sedge	CAREX	---	---	---	---	---	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	1-5
Big squirreltail	SIJU	---	---	---	---	---	---	1-5
Melic	MELIC	---	---	---	---	---	---	1-5
Slender wheatgrass	AGTR	---	---	---	---	---	---	1-5
Goldenweed	HAPLO2	---	---	---	2-5	---	---	---
Meadowrue	THALI2	---	---	---	---	---	---	1-5
Snowberry	SYMPH	2-5	2-5	---	---	2-5	---	1-5
Mountain big sagebrush	ARVA2	10-20	10-20	---	---	10-20	---	1-5
Bush ceanspray	HODU	---	2-5	---	---	---	---	---
Serviceberry	AMELA	---	5-10	---	---	---	---	---
Douglas rabbitbrush	CHVI8	---	---	---	2-5	---	---	---
Low sagebrush	ARAR8	---	---	---	35-45	---	---	---
Quaking aspen	POTRT	---	---	---	---	---	---	1-5

Range site number	023XY019NV	023XY050NV	None	023XY008NV	023XY019NV	023XY025NV	023XY028NV
Potential production (lb/acre):							
Favorable years	2,200	1,200	---	400	2,200	4,000	600
Normal years	1,800	900	---	250	1,800	3,000	400
Unfavorable years	1,500	700	---	200	1,500	2,000	250

1510-Greenbrae fine sandy loam, 4 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name	Inclusion number--		
		Greenbrae	1	2	3
Bluebunch wheatgrass	AGSP	30-40	40-60	1-5	---
Thurber needlegrass	STTH2	15-20	5-15	---	---
Basin wildrye	ELCI2	5-10	---	---	---
Canby bluegrass	POCA	2-5	---	---	---
Bluegrass	POA++	---	2-8	1-5	---
Idaho fescue	FEID	---	---	1-5	---
Needlegrass	STIPA	---	---	1-5	---
Squirreltail	SITAN	---	---	1-5	---
Hooker balsamroot	BAHO	---	2-5	---	---
Tapertip hawksbeard	CRAC2	---	1-2	---	---
Antelope bitterbrush	PUTR2	2-10	---	---	---
Rabbitbrush	CHRS9	2-5	---	---	---
Big sagebrush	ARTR2	15-20	---	---	---
Sagebrush	ARTEM	---	10-20	---	---
Purple sage	SADOC2	---	---	1-5	---
Desert snowberry	SYLO	---	---	1-5	---
Mountain big sagebrush	ARVA2	---	---	1-5	---
Utah juniper	JUOS	---	---	1-5	---

Range site number	023XY020NV	023XY037NV	023XY036NV	None
Potential production (lb/acre):				
Favorable years	1,100	700	600	---
Normal years	900	600	450	---
Unfavorable years	600	400	300	---

1520-Kaffur-Slocave-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Kaffur	Slocave	Rock outcrop	1	2	3
Desert needlegrass	STSP3	2-5	20-30	---	---	2-10	5-15
Thurber needlegrass	STTH2	5-15	---	---	---	2-5	---
Bluegrass	POA++	2-5	---	---	---	---	---
Bottlebrush squirreltail	SIHY	2-5	2-5	---	5-15	2-8	---
Indian ricegrass	ORHY	---	5-10	---	5-15	2-8	15-25
Needleandthread	STCO4	---	---	---	1-3	---	---
Sandberg bluegrass	POSE	---	---	---	2-5	10-15	---
Milkvetch	ASTRA	1-3	---	---	---	---	---
Skeletonweed	LYGOD	1-3	---	---	---	---	---
Sagebrush	ARTEM	30-40	---	---	---	30-45	---
Common pricklygilia	LEPU	2-5	---	---	---	---	---
Purple sage	SADOC2	5-15	---	---	---	---	---
Littleleaf horsebrush	TEGL	---	10-20	---	---	---	---
Shadscale	ATCO	---	5-15	---	30-40	---	15-25
Winterfat	EULA5	---	---	---	2-5	---	---
Bud sagebrush	ARSP5	---	---	---	20-30	---	5-10
Spiny hopsage	GRSP	---	---	---	2-5	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	5-15
Nevada ephedra	EPNE	---	---	---	---	---	2-5
Utah juniper	JUOS	2-10	---	---	---	---	---

Range site number	023XY063NV	027XY017NV	None	024XY002NV	023XY047NV	027XY027NV
Potential production (lb/acre):						
Favorable years	350	400	---	750	500	200
Normal years	250	200	---	450	350	100
Unfavorable years	100	100	---	300	200	50

1530-Coppereid-Kreza association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Coppereid, eroded	Coppereid, uneroded	Kreza	1	2	3	4
Indian ricegrass	ORHY	2-8	---	2-8	2-8	15-25	---	15-25
Sandberg bluegrass	POSE	10-15	---	10-15	10-15	---	---	---
Desert needlegrass	STSP3	2-10	2-5	2-10	2-10	5-15	---	---
Bottlebrush squirreltail	SIHY	2-8	2-5	2-8	2-8	---	---	---
Thurber needlegrass	STTH2	2-5	5-15	2-5	2-5	---	---	---
Bluegrass	POA++	---	2-5	---	---	---	---	---
Basin wildrye	ELCI2	---	---	---	---	---	---	5-15
Milkvetch	ASTRA	---	1-3	---	---	---	---	---
Skeletonweed	LYGOD	---	1-3	---	---	---	---	---
Sagebrush	ARTEM	30-45	30-40	30-45	30-45	---	---	---
Common pricklygilia	LEPU	---	2-5	---	---	---	---	---
Purple sage	SADOC2	---	5-15	---	---	---	---	---
Bud sagebrush	ARSP5	---	---	---	---	5-10	---	---
Shadscale	ATCO	---	---	---	---	15-25	---	---
Bailey greasewood	SAVEB	---	---	---	---	5-15	---	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---	---
Big sagebrush	ARTR2	---	---	---	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	---	---	10-20
Rabbitbrush	CHRY9	---	---	---	---	---	---	2-10
Utah juniper	JUOS	---	2-10	---	---	---	---	---
Range site number		023XY047NV	023XY063NV	023XY047NV	023XY047NV	027XY027NV	None	027XY029NV
Potential production (lb/acre):								
Favorable years		500	350	500	500	200	---	800
Normal years		350	250	350	350	100	---	500
Unfavorable years		200	100	200	200	50	---	300

1540-Foxcan-Sojur-Rock outcrop association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Foxcan	Sojur	Rock outcrop	1	2	3	4
Bluebunch wheatgrass	AGSP	1-5	---	---	---	---	1-5	---
Bluegrass	POA++	1-5	---	---	---	---	1-5	---
Idaho fescue	FEID	1-5	---	---	---	---	1-5	---
Needlegrass	STIPA	1-5	---	---	---	---	1-5	---
Squirreltail	SITAN	1-5	---	---	---	---	1-5	---
Indian ricegrass	ORHY	---	5-25	---	2-8	15-25	---	15-25
Desert needlegrass	STSP3	---	5-15	---	2-10	5-15	---	---
Sandberg bluegrass	POSE	---	---	---	10-15	---	---	---
Bottlebrush squirreltail	SIHY	---	---	---	2-8	---	---	---
Thurber needlegrass	STTH2	---	---	---	2-5	---	---	---
Basin wildrye	ELCI2	---	---	---	---	---	---	5-15
Purple sage	SADOC2	1-5	---	---	---	---	1-5	---
Desert snowberry	SYLO	1-5	---	---	---	---	1-5	---
Mountain big sagebrush	ARVA2	1-5	---	---	---	---	1-5	---
Bud sagebrush	ARSP5	---	5-10	---	---	5-10	---	---
Shadscale	ATCO	---	5-25	---	---	15-25	---	---
Bailey greasewood	SAVEB	---	5-15	---	---	5-15	---	---
Nevada ephedra	EPNE	---	2-5	---	---	2-5	---	---
Sagebrush	ARTEM	---	---	---	30-45	---	---	---
Big sagebrush	ARTR2	---	---	---	---	---	---	20-30
Spiny hopsage	GRSP	---	---	---	---	---	---	10-20
Rabbitbrush	CHRY9	---	---	---	---	---	---	2-10
Utah juniper	JUOS	1-5	---	---	---	---	1-5	---

Range site number	023XY036NV	027XY027NV	None	023XY047NV	027XY027NV	023XY036NV	027XY029NV
Potential production (lb/acre):							
Favorable years	600	200	---	500	200	600	800
Normal years	450	100	---	350	100	450	500
Unfavorable years	300	50	---	200	50	300	300

1550-Wylo-Ister association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Wylo	Ister	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	20-40	---	---	5-15
Bluegrass	POA++	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	5-15	10-20	2-5	---	---	---
Basin wildrye	ELCI2	---	2-10	10-20	---	---	---
Canby bluegrass	POCA	---	---	2-5	---	---	---
Sandberg bluegrass	POSE	---	---	---	---	30-45	---
Webber ricegrass	STWE	---	---	---	---	2-5	---
Desert needlegrass	STSP3	---	---	---	---	---	15-25
Indian ricegrass	ORHY	---	---	---	---	---	2-8
Hooker balsamroot	BAHO	2-5	---	---	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	---	---	---	---
Sagebrush	ARTEM	10-20	---	---	---	---	---
Antelope bitterbrush	PUTR2	---	2-5	2-10	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	---
Mountain big sagebrush	ARVA2	---	---	5-15	---	---	---
Low sagebrush	ARAR8	---	---	---	---	30-45	---
Purple sage	SADOC2	---	---	---	---	---	10-20
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	5-15
Ephedra	EPHED	---	---	---	---	---	2-8
Range site number		023XY037NV	023XY039NV	023XY041NV	None	023XY021NV	023XY030NV
Potential production (lb/acre):							
Favorable years		700	900	1,400	---	300	500
Normal years		600	700	1,200	---	200	300
Unfavorable years		400	500	900	---	150	150

1552-Wylo-Bucklake association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Wylo	Bucklake	1	2	3	4
Bluebunch wheatgrass	AGSP	40-60	40-60	40-60	---	---	---
Bluegrass	POA++	2-8	---	2-8	---	2-5	---
Thurber needlegrass	STTH2	5-15	10-20	5-15	---	5-15	---
Basin wildrye	ELCI2	---	2-10	---	---	---	5-15
Desert needlegrass	STSP3	---	---	---	---	2-5	---
Bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---
Indian ricegrass	ORHY	---	---	---	---	---	15-25
Hooker balsamroot	BAHO	2-5	---	2-5	---	---	---
Tapertip hawksbeard	CRAC2	1-2	---	1-2	---	---	---
Milkvetch	ASTRA	---	---	---	---	1-3	---
Skeletonweed	LYGOD	---	---	---	---	1-3	---
Sagebrush	ARTEM	10-20	---	10-20	---	30-40	---
Antelope bitterbrush	PUTR2	---	2-5	---	---	---	---
Big sagebrush	ARTR2	---	10-20	---	---	---	20-30
Common pricklygilia	LEPU	---	---	---	---	2-5	---
Purple sage	SADOC2	---	---	---	---	5-15	---
Spiny hopsage	GRSP	---	---	---	---	---	10-20
Rabbitbrush	CHRY99	---	---	---	---	---	2-10
Utah juniper	JUOS	---	---	---	---	2-10	---

Range site number	023XY037NV	023XY039NV	023XY037NV	None	023XY063NV	027XY029NV
Potential production (lb/acre):						
Favorable years	700	900	700	---	350	800
Normal years	600	700	600	---	250	500
Unfavorable years	400	500	400	---	100	300

1560-Manogue-Ceejay association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Manogue	Ceejay	1	2
Indian ricegrass	ORHY	2-8	2-8	---	---
Sandberg bluegrass	POSE	10-15	10-15	---	5-10
Desert needlegrass	STSP3	2-10	2-10	---	---
Bottlebrush squirreltail	SIHY	2-8	2-8	---	10-20
Thurber needlegrass	STTH2	2-5	2-5	---	---
Mountain brome	BRCA5	---	---	---	1-3
Canby bluegrass	POCA	---	---	---	1-3
Lupine	LUPIN	---	---	---	1-3
Eriogonum	ERIOG	---	---	---	1-5
Sagebrush	ARTEM	30-45	30-45	---	---
Low sagebrush	ARAR8	---	---	---	2-10
Rubber rabbitbrush	CHNA2	---	---	---	30-50
Range site number		023XY047NV	023XY047NV	None	023XY001NV
Potential production (lb/acre):					
Favorable years		500	500	---	350
Normal years		350	350	---	225
Unfavorable years		200	200	---	150

1570-Espil gravelly sandy loam, 2 to 15 percent slopes

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Espil	1	2
Bluebunch wheatgrass	AGSP	20-50	30-40	30-40
Thurber needlegrass	STTH2	10-20	15-20	15-20
Bluegrass	POA++	5-10	---	---
Basin wildrye	ELCI2	---	5-10	5-10
Canby bluegrass	POCA	---	2-5	2-5
Low sagebrush	ARAR8	10-20	---	---
Antelope bitterbrush	PUTR2	---	2-10	2-10
Rabbitbrush	CHRY99	---	2-5	2-5
Big sagebrush	ARTR2	---	15-20	15-20

Range site number	023XY031NV	023XY020NV	023XY020NV
Potential production (lb/acre):			
Favorable years	900	1,100	1,100
Normal years	700	900	900
Unfavorable years	500	600	600

1580-Trocken-Ganaflan-Bluewing association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Trocken	Ganaflan	Bluewing	1	2	3	4
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	---	---
Indian ricegrass	ORHY	10-25	10-25	10-25	10-15	---	50-70	10-20
Bottlebrush squirreltail	SIHY	5-15	5-15	5-15	2-5	---	---	2-10
Webber ricegrass	STWE	---	---	---	2-5	---	---	---
Thurber needlegrass	STTH2	---	---	---	2-8	---	---	---
Desert needlegrass	STSP3	---	---	---	10-15	---	---	---
Needleandthread	STCO4	---	---	---	---	---	5-15	---
Bud sagebrush	ARSP5	15-20	15-20	15-20	---	---	---	2-5
Shadscale	ATCO	30-40	30-40	30-40	---	---	---	---
Bailey greasewood	SAVEB	1-5	1-5	1-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	20-30	---	---	---
Spiny hopsage	GRSP	---	---	---	10-25	---	1-5	---
Nevada dalea	PSPO	---	---	---	---	---	1-5	---
Winterfat	EULA5	---	---	---	---	---	2-5	60-70
Fourwing saltbush	ATCA2	---	---	---	---	---	10-20	---
Range site number		027XY013NV	027XY013NV	027XY013NV	023XY038NV	None	027XY009NV	024XY004NV
Potential production (lb/acre):								
Favorable years		500	500	500	600	---	800	500
Normal years		300	300	300	450	---	500	350
Unfavorable years		100	100	100	300	---	350	200

1581-Trocken-Mazuma-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name			Inclusion number--		
		Trocken	Mazuma	Hawsley	1	2	3
Needleandthread	STCO4	1-3	1-3	5-15	---	---	---
Bottlebrush squirreltail	SIHY	5-15	5-15	---	---	2-5	2-5
Indian ricegrass	ORHY	5-15	5-15	50-70	20-30	10-15	10-15
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---
Inland saltgrass	DISPS2	---	---	---	2-5	---	---
Webber ricegrass	STWE	---	---	---	---	2-5	2-5
Thurber needlegrass	STH2	---	---	---	---	2-8	2-8
Desert needlegrass	STSP3	---	---	---	---	10-15	10-15
Winterfat	EULA5	2-5	2-5	2-5	---	---	---
Shadscale	ATCO	30-40	30-40	---	2-5	---	---
Bud sagebrush	ARSP5	20-30	20-30	---	---	---	---
Spiny hopsage	GRSP	2-5	2-5	1-5	---	10-25	10-25
Nevada dalea	PSPO	---	---	1-5	---	---	---
Fourwing saltbush	ATCA2	---	---	10-20	---	---	---
Black greasewood	SAVE4	---	---	---	30-50	---	---
Iodinebush	ALOC2	---	---	---	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	20-30	20-30

Range site number	024XY002NV	024XY002NV	027XY009NV	027XY016NV	023XY038NV	023XY038NV
Potential production (lb/acre):						
Favorable years	750	750	800	500	600	600
Normal years	450	450	500	300	450	450
Unfavorable years	300	300	350	150	300	300

1590-Typic Torriorthents-Ragtown association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Typic Torriorthents	Ragtown	1	2	3	4
Inland saltgrass	DISPS2	---	5-10	---	5-15	---	---
Alkali bluegrass	POJU	---	---	---	30-50	---	---
Baltic rush	JUBA	---	---	---	5-15	---	---
Alkali sacaton	SPAI	---	---	---	5-20	---	---
Sedge	CAREX	---	---	---	---	5-10	---
Alpine timothy	PHAL2	---	---	---	---	10-15	---
Tufted hairgrass	DECE	---	---	---	---	20-30	---
Nevada bluegrass	PONE3	---	---	---	---	15-25	---
Meadow barley	HOB2	---	---	---	---	10-15	---
Rush	JUNCU	---	---	---	---	5-10	---
Cinquefoil	POTEN	---	---	---	2-5	---	---
Arrow-grass	TRIGL	---	---	---	2-5	---	---
Seepweed	SUAED	---	2-5	---	---	---	---
Black greasewood	SAVE4	---	40-60	---	---	---	---
Shadscale	ATCO	---	2-10	---	---	---	---
Willow	SALIX	---	---	---	---	2-5	---
Range site number		None	027XY025NV	None	024XY043NV	026XY003NV	None
Potential production (lb/acre):							
Favorable years		---	500	---	3,000	2,000	---
Normal years		---	350	---	2,000	1,500	---
Unfavorable years		---	200	---	1,000	1,000	---

1600-Dithod loam

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name	Inclusion number--	
		Dithod	1	2
Basin wildrye	ELCI2	40-60	1-5	---
Nevada bluegrass	PONE3	5-10	---	---
Western wheatgrass	AGSM	---	1-5	---
Slender wheatgrass	AGTR	---	1-5	---
Creeping wildrye	ELTR3	---	1-5	---
Sedge	CAREX	---	1-5	---
Rush	JUNCU	---	1-5	---
Webber ricegrass	STWE	---	---	2-5
Thurber needlegrass	STTH2	---	---	2-8
Indian ricegrass	ORHY	---	---	10-15
Desert needlegrass	STSP3	---	---	10-15
Bottlebrush squirreltail	SIHY	---	---	2-5
Thelypody	THELY	1-3	---	---
Povertyweed	IVAX	2-5	---	---
Basin big sagebrush	ARTRT*	5-15	1-5	---
Woods rose	ROWO	---	1-5	---
Wyoming big sagebrush	ARTRW*	---	---	20-30
Spiny hopsage	GRSP	---	---	10-25
Willow	SALIX	---	1-5	---
Fremont cottonwood	POFR2	---	1-5	---

Range site number	023XY005NV	023XY034NV	023XY038NV
Potential production (lb/acre):			
Favorable years	3,000	3,000	600
Normal years	2,000	2,500	450
Unfavorable years	1,300	1,500	300

1601-Dithod-Fluvaquents association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name		Inclusion number--	
		Dithod	Fluvaquents	1	2
Basin wildrye	ELCI2	40-60	1-5	65-75	---
Nevada bluegrass	PONE3	5-10	---	2-8	---
Western wheatgrass	AGSM	---	1-5	---	---
Slender wheatgrass	AGTR	---	1-5	---	---
Creeping wildrye	ELTR3	---	1-5	---	---
Sedge	CAREX	---	1-5	---	---
Rush	JUNCU	---	1-5	---	---
Bottlebrush squirreltail	SIHY	---	---	---	5-10
Thelypody	THELY	1-3	---	---	---
Povertyweed	IVAX	2-5	---	---	---
Basin big sagebrush	ARTRT*	5-15	1-5	5-10	---
Woods rose	ROWO	---	1-5	---	---
Rubber rabbitbrush	CHNA2	---	---	1-3	---
Black greasewood	SAVE4	---	---	---	15-30
Shadscale	ATCO	---	---	---	30-50
Seepweed	SUAED	---	---	---	2-15
Bud sagebrush	ARSP5	---	---	---	5-15
Willow	SALIX	---	1-5	---	---
Fremont cottonwood	POFR2	---	1-5	---	---

Range site number	023XY005NV	023XY034NV	023XY009NV	024XY003NV
Potential production (lb/acre):				
Favorable years	3,000	3,000	5,500	600
Normal years	2,000	2,500	4,500	450
Unfavorable years	1,300	1,500	2,500	300

1620-Mazuma-Hawsley association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Mazuma, 4 to 8 percent slopes	Mazuma, 0 to 4 percent slopes	Hawsley	1	2	3	4
Needleandthread	STCO4	1-3	1-3	5-15	1-2	1-3	1-2	1-2
Bottlebrush squirreltail	SIHY	5-15	5-15	---	2-10	5-15	2-10	2-10
Indian ricegrass	ORHY	5-15	5-15	50-70	5-15	5-15	5-15	5-15
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	2-5	2-5	2-5
Phlox	PHLOX	---	---	---	1-4	---	1-4	1-4
Globemallow	SPHAE	---	---	---	1-4	---	1-4	1-4
Eveningprimrose	OENOT	---	---	---	1-2	---	1-2	1-2
Winterfat	EULAS	2-5	2-5	2-5	20-40	2-5	20-40	20-40
Shadscale	ATCO	30-40	30-40	---	2-5	30-40	2-5	2-5
Bud sagebrush	ARSP5	20-30	20-30	---	20-30	20-30	20-30	20-30
Spiny hopsage	GRSP	2-5	2-5	1-5	---	2-5	---	---
Nevada dalea	PSPO	---	---	1-5	---	---	---	---
Fourwing saltbush	ATCA2	---	---	10-20	---	---	---	---

Range site number	024XY002NV	024XY002NV	027XY009NV	024XY014NV	024XY002NV	024XY014NV	024XY014NV
Potential production (lb/acre):							
Favorable years	750	750	800	400	750	400	400
Normal years	450	450	500	300	450	300	300
Unfavorable years	300	300	350	200	300	200	200

1621-Mazuma, clayey substratum association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name		Inclusion number--			
		Mazuma fine sandy loam	Mazuma loam, clayey substratum	1	2	3	4
Needleandthread	STCO4	1-3	1-3	---	1-3	---	---
Bottlebrush squirreltail	SIHY	5-15	5-15	2-10	5-15	5-10	2-10
Indian ricegrass	ORHY	5-15	5-15	10-20	5-15	---	5-15
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	---	2-10
Thurber needlegrass	STTH2	---	---	---	---	---	10-20
Globemallow	SPHAE	---	---	---	---	---	1-2
Tapertip hawksbeard	CRAC2	---	---	---	---	---	1-2
Phlox	PHLOX	---	---	---	---	---	1-2
Winterfat	EULA5	2-5	2-5	60-70	2-5	---	---
Shadscale	ATCO	30-40	30-40	---	30-40	30-50	---
Bud sagebrush	ARSP5	20-30	20-30	2-5	20-30	5-15	---
Spiny hopsage	GRSP	2-5	2-5	---	2-5	---	5-15
Black greasewood	SAVE4	---	---	---	---	15-30	---
Seepweed	SUAED	---	---	---	---	2-15	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	30-35

Range site number	024XY002NV	024XY002NV	024XY004NV	024XY002NV	024XY003NV	024XY020NV
Potential production (lb/acre):						
Favorable years	750	750	500	750	600	700
Normal years	450	450	350	450	450	450
Unfavorable years	300	300	200	300	300	300

1630--Veta-Mazuma association

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name			Inclusion number--			
		Veta	Mazuma	Mazuma, moderately saline	1	2	3	4
Webber ricegrass	STWE	2-5	---	---	---	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
Indian ricegrass	ORHY	10-15	5-15	---	5-15	10-20	50-70	5-15
Desert needlegrass	STSP3	10-15	---	---	---	---	---	---
Bottlebrush squirreltail	SIHY	2-5	5-15	5-10	5-15	2-10	---	5-15
Needleandthread	STCO4	---	1-3	---	1-3	---	5-15	1-3
Sandberg bluegrass	POSE	---	2-5	---	2-5	---	---	2-5
Wyoming big sagebrush	ARTRW*	20-30	---	---	---	---	---	---
Spiny hopsage	GRSP	10-25	2-5	---	2-5	---	1-5	2-5
Winterfat	EULA5	---	2-5	---	2-5	60-70	2-5	2-5
Shadscale	ATCO	---	30-40	30-50	30-40	---	---	30-40
Bud sagebrush	ARSP5	---	20-30	5-15	20-30	2-5	---	20-30
Black greasewood	SAVE4	---	---	15-30	---	---	---	---
Seepweed	SUAED	---	---	2-15	---	---	---	---
Nevada dalea	PSPO	---	---	---	---	---	1-5	---
Fourwing saltbush	ATCA2	---	---	---	---	---	10-20	---

Range site number	023XY038NV	024XY002NV	024XY003NV	024XY002NV	024XY004NV	027XY009NV	024XY002NV
Potential production (lb/acre):							
Favorable years	600	750	600	750	500	800	750
Normal years	450	450	450	450	350	500	450
Unfavorable years	300	300	300	300	200	350	300

