Table 1.--Temperature and Precipitation

(Recorded in the period 1971 to 2000 at Tilden, Texas)

Month	Temperature (Degrees F)					Precipitation (Inches)				
				2 years in 10 will have				2 years in 10 will have		Average number of days with 0.10 inch or more
	Average daily maximum	Average daily minimum	Average	Maximum temperature higher than	Minimum temperature lower than	Average number of growing degree days*	Average	Less than	More than	
January---	65.8	40.7	53.3	87	21	180	1.15	0.31	2.02	2
February--	70.6	44.8	57.7	92	24	252	1.27	0.31	2.11	2
March-----	78.4	52.1	65.3	97	29	474	1.35	0.31	2.34	2
April-----	84.3	58.6	71.4	101	38	634	1.95	0.40	3.46	3
May-------	90.0	66.7	78.3	104	51	896	3.10	0.74	5.32	4
June------	95.3	71.4	83.3	105	60	988	3.17	0.65	6.05	4
July------	98.1	72.9	85.5	106	65	1,086	1.51	0.20	2.28	2
August----	98.3	72.5	85.4	105	66	1,094	2.54	0.63	4.28	3
September-	93.4	68.4	80.9	103	49	916	2.76	0.97	4.42	3
October---	85.5	59.5	72.5	99	38	696	2.13	0.39	3.79	3
November--	75.1	50.4	62.8	93	28	388	1.30	0.12	2.56	2
December--	67.9	43.0	55.4	88	19	218	1.20	0.19	1.80	2
Yearly:										
Average-	83.6	58.4	71.0	---	---	---	---	---	---	---
Extreme-	113	5.0	---	108	17	---	---	---	---	---
Total---	---	---	---	---	---	7,797	23.42	16.61	28.29	32

*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 (50.0 degrees F).

Table 2.--Freeze Dates in Spring and Fall

(Recorded in the period 1971 to 2000 at Tilden, Texas)

Probability	Temperature		
	24°F or lower	28°F or lower	32°F or lower
Last freezing temperature in spring:			
1 year in 10 later than	February 16	March 1	March 19
2 years in 10 later than	February 3	February 17	March 10
5 years in 10 later than	January 2	January 21	February 22
First freezing temperature in fall:			
1 years in 10 earlier than	December 3	November 17	November 12
2 years in 10 earlier than	December 17	November 30	November 18
5 years in 10 earlier than	January 24	December 28	November 30

Table 3.--Growing Season

(Recorded in the period 1971 to 2000 at Tilden, Texas)

Probability	Daily minimum temperature during growing season		
	Number of days higher than 24°F	Number of days higher than 28°F	Number of days higher than 32°F
9 years in 10	312	282	249
8 years in 10	330	299	260
5 years in 10	> 365	343	281
2 years in 10	> 365	> 365	302
1 year in 10	> 365	> 365	313

Table 4.--Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
AnC	Annarose fine sandy loam, 2 to 5 percent slopes	26,430	3.8
BcA	Buchel clay, 0 to 1 percent slopes, occasionally flooded	19,074	2.8
BfA	Buchel clay, 0 to 1 percent slopes, frequently flooded	13,663	2.0
CaB	Campbellton clay loam, 1 to 3 percent slopes	2,696	0.4
CaC	Campbellton clay loam, 3 to 5 percent slopes	277	*
CeB	Choke silty clay loam, 1 to 3 percent slopes	13,725	2.0
CeC	Choke silty clay loam, 3 to 5 percent slopes	652	*
CkA	Clareville sandy clay loam, 0 to 1 percent slopes	11,188	1.6
CkB	Clareville sandy clay loam, 1 to 3 percent slopes	3,063	0.4
CnA	Condido clay, 0 to 2 percent slopes	3,893	0.6
CoB	Conquista clay, 1 to 3 percent slopes	1,037	0.2
CoG	Conquista clay, 20 to 40 percent slopes	533	*
CtB	Cotulla clay loam, 1 to 3 percent slopes	5,531	0.8
CyA	Coy clay loam, 0 to 1 percent slopes	5,817	0.8
CyB	Coy clay loam, 1 to 3 percent slopes	4,972	0.7
DAM	Dams	263	*
DnA	Danjer clay loam, 0 to 1 percent slopes	5,421	0.8
DnB	Danjer clay loam, 1 to 3 percent slopes	5,381	0.8
EcB	Ecleto sandy clay loam, 1 to 3 percent slopes	198	*
EsA	Eloso clay, 0 to 1 percent slopes	9,771	1.4
EsB	Eloso clay, 1 to 3 percent slopes	32,317	4.7
EvA	Esseville clay, 0 to 1 percent slopes	2,604	0.4
EvB	Esseville clay, 1 to 3 percent slopes	18,112	2.6
EvC	Esseville clay, 3 to 5 percent slopes	2,422	0.4
ExC	Esseville gravelly clay, 1 to 5 percent slopes	1,947	0.3
FaC	Fashing clay loam, 2 to 5 percent slopes	1,604	0.2
GoB	Goliad fine sandy loam, 1 to 3 percent slopes	3,863	0.6
HnD	Hindes very gravelly sandy clay loam, 3 to 8 percent slopes	1,727	0.3
ImA	Imogene fine sandy loam, 0 to 1 percent slopes	4,817	0.7
LaB	Lacoste fine sandy loam, 0 to 3 percent slopes	4,682	0.7
LpB	Laparita sandy clay loam, 1 to 3 percent slopes	3,709	0.5
LtA	Lattas clay, 0 to 1 percent slopes	9,792	1.4
LtB	Lattas clay, 1 to 3 percent slopes	1,415	0.2
MaD	Mata gravelly clay loam, 3 to 8 percent slopes	1,673	0.2
MoA	Monteola clay, 0 to 1 percent slopes	1,211	0.2
MoB	Monteola clay, 1 to 3 percent slopes	2,690	0.4
NuC	Nusil fine sand, 1 to 5 percent slopes	9,205	1.3
OdA	Odem fine sandy loam, 0 to 1 percent slopes, occasionally flooded	5,794	0.8
OmD	Olmos very gravelly sandy loam, 1 to 8 percent slopes	42,238	6.1
PaB	Papalote loamy fine sand, 0 to 3 percent slopes	12,970	1.9
PbA	Papalote fine sandy loam, 0 to 1 percent slopes	4,613	0.7
PbB	Papalote fine sandy loam, 1 to 3 percent slopes	12,484	1.8
PcB	Parrita fine sandy loam, 1 to 3 percent slopes	1,066	0.2
PkB	Pavelek clay loam, 0 to 3 percent slopes	13,047	1.9
PkC2	Pavelek clay loam, 3 to 5 percent slopes, severely eroded	2,094	0.3
PmC	Pernitas fine sandy loam, 2 to 5 percent slopes	58,650	8.5
PnB	Pernitas sandy clay loam, 1 to 3 percent slopes	29,183	4.2
PtC	Pettus sandy clay loam, 2 to 5 percent slopes	11,100	1.6
PvC	Picosa loam, 1 to 5 percent slopes	593	*
Px	Pits	743	0.1
RhC	Rhymes fine sand, 1 to 5 percent slopes	3,133	0.5
RoA	Rosenbrock clay, 0 to 1 percent slopes	7,834	1.1
RoB	Rosenbrock clay, 1 to 3 percent slopes	5,165	0.7
RrA	Rosenbrock clay, 0 to 1 percent slopes, rarely flooded	9,787	1.4
SaD	Sancajo very gravelly loam, 1 to 8 percent slopes	4,532	0.7
SeD	Sarnosa fine sandy loam, 3 to 8 percent slopes	55,753	8.1
ShC	Schattel clay loam, 2 to 5 percent slopes	1,077	0.2
StA	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	26,998	3.9
SxA	Sinton clay loam, 0 to 1 percent slopes, frequently flooded	4,714	0.7
TcA	Tiocano clay, 0 to 1 percent slopes	1,715	0.2
UsC	Ustarents loamy, 2 to 5 percent slopes	1,165	0.2
W	Water	26,577	3.8

See footnote at end of table.

Table 4.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Acres	Percent
WaB	Weesatche fine sandy loam, 1 to 3 percent slopes	64,521	9.3
WaC	Weesatche fine sandy loam, 3 to 5 percent slopes	1,871	0.3
WeB	Weesatche sandy clay loam, 1 to 3 percent slopes	43,851	6.3
	Total	690,643	100.0

* Less than 0.1 percent.

Table 5.--Prime Farmland

(Only the soils considered prime or important farmland are listed. Urban or built-up areas of the soils listed are not considered prime or important farmland. If a soil is prime or important farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map Symbol	Map unit name	Farmland Classification
BcA	Buchel clay, 0 to 1 percent slopes, occasionally flooded	All areas are prime farmland
CeB	Choke silty clay loam, 1 to 3 percent slopes	All areas are prime farmland
CeC	Choke silty clay loam, 3 to 5 percent slopes	All areas are prime farmland
CkA	Clareville sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland
CkB	Clareville sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland
CyA	Coy clay loam, 0 to 1 percent slopes	All areas are prime farmland
CyB	Coy clay loam, 1 to 3 percent slopes	All areas are prime farmland
DnA	Danjer clay loam, 0 to 1 percent slopes	All areas are prime farmland
DnB	Danjer clay loam, 1 to 3 percent slopes	All areas are prime farmland
EsA	Eloso clay, 0 to 1 percent slopes	All areas are prime farmland
EsB	Eloso clay, 1 to 3 percent slopes	All areas are prime farmland
LtA	Lattas clay, 0 to 1 percent slopes	All areas are prime farmland
LtB	Lattas clay, 1 to 3 percent slopes	All areas are prime farmland
MoA	Monteola clay, 0 to 1 percent slopes	All areas are prime farmland
MoB	Monteola clay, 1 to 3 percent slopes	All areas are prime farmland
RoA	Rosenbrock clay, 0 to 1 percent slopes	All areas are prime farmland
RoB	Rosenbrock clay, 1 to 3 percent slopes	All areas are prime farmland
RrA	Rosenbrock clay, 0 to 1 percent slopes, rarely flooded	All areas are prime farmland
StA	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	All areas are prime farmland
TcA	Tiocano clay, 0 to 1 percent slopes	All areas are prime farmland
WaB	Weesatche fine sandy loam, 1 to 3 percent slopes	All areas are prime farmland
WaC	Weesatche fine sandy loam, 3 to 5 percent slopes	All areas are prime farmland
WeB	Weesatche sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland
OdA	flooded	
PaB	Papalote loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated
PbA	Papalote fine sandy loam, 0 to 1 percent slopes	Prime farmland if irrigated
PbB	Papalote fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated
PmC	Pernitas fine sandy loam, 2 to 5 percent slopes	Prime farmland if irrigated
PnB	Pernitas sandy clay loam, 1 to 3 percent slopes	Prime farmland if irrigated

Table 6.--Irrigated and Nonirrigated Yields by Map Unit Component

(Yields in the "N" columns are for nonirrigated areas; those in the "I" columns are for irrigated areas. Yields are those that can be expected under a high level of management. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil.)

Map symbol and soil name	Land capability		Cotton lint		Grain sorghum		Improved bermudagrass	
	N	I	N	I	N	I	N	I
			Lbs	Lbs	Bu	Bu	AUM	AUM
AnC:								
Annarose	3e	---	---	---	30.00	---	3.00	---
BcA:								
Buchel	3w	---	450.00	---	55.00	---	5.50	---
BfA:								
Buchel	5w	---	---	---	---	---	5.00	---
CaB:								
Campbellton	2e	2e	350.00	800.00	40.00	100.00	---	---
CaC:								
Campbellton	3e	3e	300.00	600.00	35.00	80.00	---	---
CeB:								
Choke	3e	---	---	---	40.00	---	3.00	---
CeC:								
Choke	4e	---	---	---	30.00	---	3.00	---
CkA:								
Clareville	2c	---	450.00	---	55.00	---	5.00	---
CkB:								
Clareville	2e	---	400.00	---	50.00	---	5.00	---
CnA:								
Condido	3e	---	---	---	35.00	---	2.50	---
CoB:								
Conquista	4e	---	---	---	---	---	4.00	---
CoG:								
Conquista	7e	---	---	---	---	---	2.00	---
CtB:								
Cotulla	4e	4e	250.00	800.00	35.00	80.00	---	---
CyA:								
Coy	2s	2s	450.00	1,100.00	65.00	110.00	5.00	12.00
CyB:								
Coy	2e	2e	400.00	900.00	60.00	100.00	5.00	12.00
DAM:								
Dam	---	---	---	---	---	---	---	---
DnA:								
Danjer	2s	---	375.00	---	55.00	---	4.00	---
DnB:								
Danjer	3e	---	325.00	---	45.00	---	3.50	---

Table 6.--Irrigated and Nonirrigated Yields by Map Unit Component--Continued

Map symbol and soil name	Land capability		Cotton lint		Grain sorghum		Improved bermudagrass	
	N	I	N	I	N	I	N	I
			Lbs	Lbs	Bu	Bu	AUM	AUM
EcB:								
Ecleto	3e	---	---	---	30.00	---	2.50	---
EsA:								
Eloso	2s	---	250.00	---	35.00	---	3.00	---
EsB:								
Eloso	3e	---	250.00	---	30.00	---	2.50	---
EvA:								
Esseville	2s	---	---	---	40.00	90.00	3.00	12.00
EvB:								
Esseville	2e	---	---	---	35.00	75.00	2.50	10.00
EvC:								
Esseville	3e	---	---	---	---	---	2.50	10.00
ExC:								
Esseville	3e	---	---	---	30.00	---	2.50	---
FaC:								
Fashing	4e	3e	250.00	500.00	35.00	80.00	2.50	10.00
GoB:								
Goliad	3e	---	275.00	---	35.00	---	2.50	---
HnD:								
Hindes	6s	6s	---	---	---	---	---	---
ImA:								
Imogene	4s	3s	---	---	25.00	60.00	---	---
LaB:								
Lacoste	4e	3e	---	---	25.00	---	2.00	4.00
LpB:								
Laparita	3e	3e	---	---	30.00	65.00	3.00	12.00
LtA:								
Lattas	2s	---	400.00	---	60.00	---	4.00	---
LtB:								
Lattas	3e	---	350.00	---	50.00	---	3.50	---
MaD:								
Mata	6s	---	---	---	---	---	2.00	---
MoA:								
Monteola	2s	2s	400.00	1,000.00	55.00	125.00	3.50	12.00
MoB:								
Monteola	3e	3e	350.00	800.00	50.00	110.00	3.00	12.00
NuC:								
Nusil	4e	3e	---	---	---	---	3.00	12.00
OdA:								
Odem	2w	2w	400.00	1,000.00	45.00	110.00	4.00	12.00

Table 6.--Irrigated and Nonirrigated Yields by Map Unit Component--Continued

Map symbol and soil name	Land capability N	Land capability I	Cotton lint N	Cotton lint I	Grain sorghum N	Grain sorghum I	Improved bermudagrass N	Improved bermudagrass I
			Lbs	Lbs	Bu	Bu	AUM	AUM
OmD:								
Olmos	7s	---	---	---	---	---	---	---
PaB:								
Papalote	3e	---	200.00	---	40.00	---	5.00	---
PbA:								
Papalote	2s	---	250.00	---	45.00	---	5.50	---
PbB:								
Papalote	2e	---	200.00	---	40.00	---	5.00	---
PcB:								
Parrita	3e	---	---	---	25.00	---	2.00	---
PkB:								
Pavelek	3e	---	---	---	30.00	---	2.50	---
PkC2:								
Pavelek, severely eroded	6e	---	---	---	---	---	---	---
PmC:								
Pernitas	3e	---	200.00	---	25.00	---	2.50	---
PnB:								
Pernitas	2e	---	250.00	---	35.00	---	2.50	---
PtC:								
Pettus	4e	---	---	---	25.00	---	---	---
PvC:								
Picosa	7s	2s	---	---	---	---	2.00	6.00
Px:								
Pits	8s	---	---	---	---	---	---	---
RhC:								
Rhymes	6e	4e	---	---	---	---	3.00	10.00
RoA:								
Rosenbrock	2c	---	400.00	---	70.00	---	5.50	---
RoB:								
Rosenbrock	2e	---	350.00	---	65.00	---	5.00	---
RrA:								
Rosenbrock	2w	---	400.00	---	70.00	---	5.50	---
SaD:								
Sancajo	7s	---	---	---	---	---	---	---
SeD:								
Sarnosa	4e	---	200.00	---	45.00	---	5.00	---
ShC:								
Schattel	4e	---	---	---	---	---	2.00	---
StA:								
Sinton	2w	---	350.00	---	70.00	---	6.00	---

Table 6.--Irrigated and Nonirrigated Yields by Map Unit Component--Continued

Map symbol and soil name	Land capability		Cotton lint		Grain sorghum		Improved bermudagrass	
	N	I	N	I	N	I	N	I
			Lbs	Lbs	Bu	Bu	AUM	AUM
SxA:								
Sinton	5w	---	---	---	---	---	6.00	---
TcA:								
Tiocano	4w	---	---	---	25.00	---	---	---
UsC:								
Ustarents	4e	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---
WaB:								
Weesatche	2e	---	350.00	---	50.00	---	6.00	---
WaC:								
Weesatche	3e	---	300.00	---	50.00	---	5.50	---
WeB:								
Weesatche	2e	---	350.00	---	50.00	---	6.00	---

Table 7.--Rangeland Productivity and Characteristic Plant Communities

(Only the soils that support rangeland vegetation suitable for grazing are rated.)

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
AnC:						
Annarose	Gray Sandy Loam	4,000	3,000	2,000	false Rhodes grass	10
					hooded windmill grass	10
					lovegrass tridens	10
					multiflower false Rhodes grass	10
					miscellaneous perennial grasses	10
					pink pappusgrass	10
					plains bristlegrass	10
					Arizona cottontop	5
					buffalograss	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					vine mesquite	5
BcA:						
Buchel	Clayey Bottomland	5,000	4,000	3,000	multiflower false Rhodes grass	20
					buffalograss	15
					vine mesquite	10
					southwestern bristlegrass	10
					Virginia wildrye	5
					hairyseed paspalum	5
					plains bristlegrass	5
					big sandbur	3
					giant sacaton	2
					winged elm	2
					miscellaneous perennial forbs	8
					miscellaneous perennial grasses	5
					miscellaneous shrubs	5
					miscellaneous trees	3
					other annual forbs	2
BfA:						
Buchel	Clayey Bottomland	5,000	4,000	3,000	multiflower false Rhodes grass	20
					buffalograss	15
					vine mesquite	10
					southwestern bristlegrass	10
					Virginia wildrye	5
					hairyseed paspalum	5
					plains bristlegrass	5
					big sandbur	3
					giant sacaton	2
					winged elm	2
					miscellaneous perennial forbs	8
					miscellaneous perennial grasses	5
					miscellaneous shrubs	5
					miscellaneous trees	3
					other annual forbs	2

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
CaB:						
Campbellton	Saline Clay Loam	3,600	2,700	1,800	pink pappusgrass	15
					false Rhodes grass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains bristlegrass	10
					plains lovegrass	10
					Arizona cottontop	5
					buffalograss	5
					curlymesquite	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
CaC:						
Campbellton	Saline Clay Loam	3,600	2,700	1,800	pink pappusgrass	15
					false Rhodes grass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains bristlegrass	10
					plains lovegrass	10
					Arizona cottontop	5
					buffalograss	5
					curlymesquite	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
CeB:						
Choke	Gray Sandy Loam	4,000	3,000	2,000	false Rhodes grass	10
					hooded windmill grass	10
					lovegrass tridens	10
					multiflower false Rhodes grass	10
					miscellaneous perennial grasses	10
					pink pappusgrass	10
					plains bristlegrass	10
					Arizona cottontop	5
					buffalograss	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					vine mesquite	5
CeC:						
Choke	Gray Sandy Loam	4,000	3,000	2,000	false Rhodes grass	10
					hooded windmill grass	10
					lovegrass tridens	10
					multiflower false Rhodes grass	10
					miscellaneous perennial grasses	10
					pink pappusgrass	10
					plains bristlegrass	10
					Arizona cottontop	5
					buffalograss	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					vine mesquite	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
CkA:						
Clareville	Clay Loam	4,000	3,000	2,000	multiflower false Rhodes grass	14
					bristlegrass spp.	15
					buffalograss	10
					Arizona cottontop	10
					plains lovegrass	10
					curlymesquite	10
					pink pappusgrass	10
					sideoats grama	5
					pinhole bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	4
					honey mesquite	2
CkB:						
Clareville	Clay Loam	4,000	3,000	2,000	multiflower false Rhodes grass	14
					bristlegrass spp.	15
					buffalograss	10
					Arizona cottontop	10
					plains lovegrass	10
					curlymesquite	10
					pink pappusgrass	10
					sideoats grama	5
					pinhole bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	4
					honey mesquite	2
CnA:						
Condido	Shallow Ridge	3,000	2,000	1,200	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					buffalograss	5
					curlymesquite	5
					fall witchgrass	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					pinhole bluestem	5
					sand dropseed	5
					silver bluestem	5
					live oak	3
					diospyros	2
CoB:						
Conquista	---	---	---	---	---	---
CoG:						
Conquista	---	---	---	---	---	---

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
CtB:						
Cotulla	Saline Clay	3,500	2,800	1,400	Texas bristlegrass	10
					alkali sacaton	10
					false Rhodes grass	10
					vine mesquite	10
					curlymesquite	8
					buffalograss	7
					Arizona cottontop	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					pinhole bluestem	5
					tobosa	5
					whiplash pappusgrass	5
					white tridens	5
CyA:						
Coy	Rolling Blackland	4,000	3,500	2,500	Texas cupgrass	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					buffalograss	8
					plains bristlegrass	8
					vine mesquite	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	7
					annual grasses	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
CyB:						
Coy	Rolling Blackland	4,000	3,500	2,500	Texas cupgrass	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					buffalograss	8
					plains bristlegrass	8
					vine mesquite	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	7
					annual grasses	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
DAM:						
Dam	---	---	---	---	---	---

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
DnA:						
Danjer	Rolling Blackland	4,000	3,500	3,000	plains bristlegrass	20
					Arizona cottontop	10
					Texas cupgrass	10
					miscellaneous shrubs	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					curlymesquite	5
					false Rhodes grass	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
DnB:						
Danjer	Rolling Blackland	4,000	3,500	3,000	plains bristlegrass	20
					Arizona cottontop	10
					Texas cupgrass	10
					miscellaneous shrubs	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					curlymesquite	5
					false Rhodes grass	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
EcB:						
Ecleto	Shallow	2,800	2,000	1,000	sideoats grama	20
					Arizona cottontop	10
					silver bluestem	10
					vine mesquite	10
					plains lovegrass	8
					plains bristlegrass	7
					Texas wintergrass	5
					buffalograss	5
					curlymesquite	5
					hairy wedelia	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					sand dropseed	5
					awnless bushsunflower	1
					slim tridens	1

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
EsA:						
Eloso	Rolling Blackland	4,200	3,200	2,000	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					buffalograss	10
					silver bluestem	10
					vine mesquite	10
					false Rhodes grass	5
					little bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					southwestern bristlegrass	5
					Texas bristlegrass	1
					Texas cupgrass	1
EsB:						
Eloso	Rolling Blackland	4,200	3,200	2,000	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					buffalograss	10
					silver bluestem	10
					vine mesquite	10
					false Rhodes grass	5
					little bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					southwestern bristlegrass	5
					Texas bristlegrass	1
					Texas cupgrass	1
EvA:						
Esseville	Saline Clay	3,500	3,000	2,000	Texas cupgrass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					buffalograss	8
					plains bristlegrass	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	5
					miscellaneous perennial forbs	3
					other annual forbs	2

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
EvB:						
Esseville	Saline Clay	3,500	3,000	2,000	Texas cupgrass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					buffalograss	8
					plains bristlegrass	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	5
					miscellaneous perennial forbs	3
					other annual forbs	2
EvC:						
Esseville	Saline Clay	3,500	3,000	2,000	Texas cupgrass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					buffalograss	8
					plains bristlegrass	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	5
					miscellaneous perennial forbs	3
					other annual forbs	2
ExC:						
Esseville	Saline Clay	3,000	2,000	1,500	alkali sacaton	15
					false Rhodes grass	15
					miscellaneous perennial grasses	10
					tobosa	10
					vine mesquite	10
					Arizona cottontop	5
					buffalograss	5
					curlymesquite	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					whiplash pappusgrass	5
					white tridens	5
					whorled dropseed	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
FaC:						
Fashing	Shallow	2,500	2,000	1,500	pink pappusgrass	25
					Texas wintergrass	10
					miscellaneous perennial grasses	10
					miscellaneous shrubs	10
					pinhole bluestem	10
					plains bristlegrass	10
					plains lovegrass	10
					annual grasses	5
					buffalograss	5
					Wright's threeawn	3
					purple threeawn	2
GoB:						
Goliad	Sandy Loam	5,500	4,200	3,000	false Rhodes grass	25
					little bluestem	10
					miscellaneous perennial forbs	10
					pinhole bluestem	10
					pink pappusgrass	10
					plains bristlegrass	10
					Arizona cottontop	5
					curlymesquite	5
					other annual forbs	5
					sideoats grama	5
					Prosopis juliflora	3
					miscellaneous shrubs	2
HnD:						
Hindes	Gravelly Ridge	3,000	1,800	1,000	Arizona cottontop	15
					tanglehead	15
					pinhole bluestem	5
					sideoats grama	5
					hooded windmill grass	5
					green spangletop	5
					Texas bristlegrass	5
					lovegrass tridens	5
					slim tridens	5
					miscellaneous shrubs	25
					miscellaneous perennial forbs	10

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
ImA:						
Imogene	Tight Sandy Loam	4,000	3,200	1,800	little bluestem	15
					buffalograss	10
					false Rhodes grass	10
					hooded windmill grass	10
					pink pappusgrass	10
					silver bluestem	10
					Wright's threeawn	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					tanglehead	5
LaB:						
Lacoste	Shallow Sandy Loam	3,500	2,300	1,000	silver bluestem	10
					hooded windmill grass	10
					Arizona cottontop	10
					tanglehead	10
					pink pappusgrass	10
					bristlegrass spp.	10
					fall witchgrass	8
					slim tridens	7
					sand dropseed	5
					other annual forbs	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
					miscellaneous shrubs	5
LpB:						
Laparita	Claypan Prairie	3,000	2,500	1,500	false Rhodes grass	15
					pink pappusgrass	15
					curlymesquite	10
					pinhole bluestem	10
					plains bristlegrass	10
					Arizona cottontop	5
					Texas wintergrass	5
					buffalograss	5
					hooded windmill grass	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
					vine mesquite	5
					white tridens	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
LtA:						
Lattas	Blackland	4,500	4,000	3,000	false Rhodes grass	15
					little bluestem	15
					Arizona cottontop	10
					buffalograss	10
					sideoats grama	10
					yellow Indiangrass	10
					Nash windmillgrass	5
					miscellaneous perennial forbs	5
					pinhole bluestem	5
					pink pappusgrass	5
					plains bristlegrass	5
					vine mesquite	5
LtB:						
Lattas	Blackland	4,500	4,000	3,000	false Rhodes grass	15
					little bluestem	15
					Arizona cottontop	10
					buffalograss	10
					sideoats grama	10
					yellow Indiangrass	10
					Nash windmillgrass	5
					miscellaneous perennial forbs	5
					pinhole bluestem	5
					pink pappusgrass	5
					plains bristlegrass	5
					vine mesquite	5
MaD:						
Mata	Gravelly Ridge	2,800	2,300	1,000	miscellaneous perennial grasses	15
					miscellaneous shrubs	15
					pink pappusgrass	15
					curlymesquite	10
					plains bristlegrass	10
					Arizona cottontop	5
					Rio Grande bristlegrass	5
					Wright's threeawn	5
					annual grasses	5
					hooded windmill grass	5
					miscellaneous perennial forbs	5
					pinhole bluestem	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
MoA:						
Monteola	Rolling Blackland	4,000	3,500	2,500	Texas cupgrass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					buffalograss	8
					plains bristlegrass	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	5
					miscellaneous perennial forbs	3
					other annual forbs	2
MoB:						
Monteola	Rolling Blackland	4,000	3,500	2,500	Texas cupgrass	10
					miscellaneous perennial grasses	10
					pinhole bluestem	10
					plains lovegrass	10
					sideoats grama	10
					vine mesquite	10
					buffalograss	8
					plains bristlegrass	8
					Texas wintergrass	7
					curlymesquite	7
					false Rhodes grass	5
					miscellaneous perennial forbs	3
					other annual forbs	2
NuC:						
Nusil	Sandy	5,000	4,000	2,500	seacoast bluestem	45
					miscellaneous perennial grasses	10
					brownseed paspalum	5
					fringeleaf paspalum	5
					hooded windmill grass	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					miscellaneous trees	5
					switchgrass	5
					tanglehead	5
					yellow Indiangrass	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
OdA:						
Odem	Loamy Bottomland	7,000	6,000	4,000	false Rhodes grass	15
					miscellaneous shrubs	15
					seacoast bluestem	15
					vine mesquite	10
					Texas wintergrass	5
					Virginia wildrye	5
					big sandbur	5
					pink pappusgrass	5
					sideoats grama	5
					southwestern bristlegrass	5
					switchgrass	5
					white tridens	5
					miscellaneous perennial forbs	3
					other annual forbs	2
OmD:						
Olmos	Shallow Ridge	2,700	1,800	1,000	sideoats grama	20
					tanglehead	10
					silver bluestem	10
					Wright's threeawn	5
					pink pappusgrass	5
					false Rhodes grass	5
					Arizona cottontop	5
					plains lovegrass	5
					green spangletop	5
					buffalograss	3
					plains bristlegrass	10
					miscellaneous shrubs	10
					slim tridens	5
					miscellaneous perennial forbs	2
PaB:						
Papalote	Loamy Sand	4,000	3,000	1,800	pinhole bluestem	10
					multiflower false Rhodes grass	10
					Arizona cottontop	10
					tanglehead	10
					little bluestem	10
					plains bristlegrass	10
					hooded windmill grass	5
					seacoast bluestem	5
					onesided crinkleawn	5
					Pan American balsamscale	5
					sideoats grama	3
					brownseed paspalum	2
					honey mesquite	1
					live oak	1
					miscellaneous perennial forbs	5
					miscellaneous shrubs	3
					miscellaneous perennial grasses	3
					other annual forbs	2

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
PbA:						
Papalote	Tight Sandy Loam	4,000	3,000	1,800	pinhole bluestem	10
					multiflower false Rhodes grass	10
					Arizona cottontop	10
					tanglehead	10
					little bluestem	10
					plains bristlegrass	10
					hooded windmill grass	5
					seacoast bluestem	5
					onesided crinkleawn	5
					Pan American balsamscale	5
					sideoats grama	3
					brownseed paspalum	2
					honey mesquite	1
					live oak	1
					miscellaneous perennial forbs	5
					miscellaneous shrubs	3
					miscellaneous perennial grasses	3
					other annual forbs	2
PbB:						
Papalote	Tight Sandy Loam	4,000	3,000	1,800	pinhole bluestem	10
					multiflower false Rhodes grass	10
					Arizona cottontop	10
					tanglehead	10
					little bluestem	10
					plains bristlegrass	10
					hooded windmill grass	5
					seacoast bluestem	5
					onesided crinkleawn	5
					Pan American balsamscale	5
					sideoats grama	3
					brownseed paspalum	2
					honey mesquite	1
					live oak	1
					miscellaneous perennial forbs	5
					miscellaneous shrubs	3
					miscellaneous perennial grasses	3
					other annual forbs	2
PcB:						
Parrita	Shallow Sandy Loam	3,700	3,000	1,200	fall witchgrass	15
					Arizona cottontop	10
					miscellaneous perennial forbs	10
					pinhole bluestem	10
					pink pappusgrass	10
					plains bristlegrass	10
					red grama	10
					tanglehead	10
					hooded windmill grass	5
					slim tridens	5
					guajillo	3

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
PkB:						
Pavelek	Shallow Ridge	3,000	2,000	1,200	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					buffalograss	5
					curlymesquite	5
					fall witchgrass	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					pinhole bluestem	5
					sand dropseed	5
					silver bluestem	5
					live oak	3
					diospyros	2
PkC2:						
Pavelek, severely eroded	Shallow Ridge	3,000	2,000	1,200	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					buffalograss	5
					curlymesquite	5
					fall witchgrass	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					pinhole bluestem	5
					sand dropseed	5
					silver bluestem	5
					live oak	3
					diospyros	2
PmC:						
Pernitas	Gray Sandy Loam	4,500	3,500	2,500	multiflower false Rhodes grass	15
					hooded windmill grass	10
					lovegrass tridens	10
					miscellaneous perennial grasses	10
					pink pappusgrass	10
					plains bristlegrass	10
					tanglehead	10
					Arizona cottontop	5
					buffalograss	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					vine mesquite	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
PnB:						
Pernitas	Gray Sandy Loam	4,500	3,500	2,500	multiflower false Rhodes grass	15
					hooded windmill grass	10
					lovegrass tridens	10
					miscellaneous perennial grasses	10
					pink pappusgrass	10
					plains bristlegrass	10
					tanglehead	10
					Arizona cottontop	5
					buffalograss	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					vine mesquite	5
PtC:						
Pettus	Shallow Ridge	3,200	2,700	1,500	sideoats grama	15
					Arizona cottontop	10
					multiflower false Rhodes grass	10
					miscellaneous perennial forbs	10
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					Texas grama	5
					curlymesquite	5
					little bluestem	5
					miscellaneous shrubs	5
					miscellaneous trees	5
					pinhole bluestem	5
					sand dropseed	5
PvC:						
Picosa	Shallow Ridge	2,500	2,000	1,000	sideoats grama	15
					Arizona cottontop	10
					multiflower false Rhodes grass	10
					miscellaneous perennial forbs	10
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					Texas grama	5
					curlymesquite	5
					little bluestem	5
					miscellaneous shrubs	5
					miscellaneous trees	5
					pinhole bluestem	5
					sand dropseed	5
Px:						
Pits	---	---	---	---	---	---

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
RhC:						
Rhymes	Sandy	5,000	4,000	2,000	seacoast bluestem	45
					tanglehead	15
					yellow Indiangrass	15
					fringeleaf paspalum	5
					hooded windmill grass	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
					switchgrass	5
RoA:						
Rosenbrock	Rolling Blackland	4,200	3,200	2,000	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					buffalograss	10
					silver bluestem	10
					vine mesquite	10
					false Rhodes grass	5
					little bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					southwestern bristlegrass	5
					Texas bristlegrass	1
					Texas cupgrass	1
RoB:						
Rosenbrock	Rolling Blackland	4,200	3,200	2,000	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					buffalograss	10
					silver bluestem	10
					vine mesquite	10
					false Rhodes grass	5
					little bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					southwestern bristlegrass	5
					Texas bristlegrass	1
					Texas cupgrass	1

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
RrA:						
Rosenbrock	Rolling Blackland	4,200	3,200	2,000	sideoats grama	15
					Arizona cottontop	10
					Texas wintergrass	10
					buffalograss	10
					silver bluestem	10
					vine mesquite	10
					false Rhodes grass	5
					little bluestem	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					plains bristlegrass	5
					plains lovegrass	5
					southwestern bristlegrass	5
					Texas bristlegrass	1
					Texas cupgrass	1
SaD:						
Sancajo	Shallow Ridge	2,700	1,800	1,000	sideoats grama	20
					tanglehead	10
					silver bluestem	10
					Wright's threeawn	5
					pink pappusgrass	5
					false Rhodes grass	5
					Arizona cottontop	5
					plains lovegrass	5
					green spangletop	5
					buffalograss	3
					plains bristlegrass	10
					miscellaneous shrubs	10
					slim tridens	5
					miscellaneous perennial forbs	2
SeD:						
Sarnosa	Gray Sandy Loam	4,500	3,500	2,500	false Rhodes grass	20
					green spangletop	15
					hooded windmill grass	10
					pink pappusgrass	10
					plains bristlegrass	10
					Arizona cottontop	5
					cane bluestem	5
					curlymesquite	5
					miscellaneous perennial forbs	5
					miscellaneous perennial grasses	5
					miscellaneous shrubs	5
					plains lovegrass	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
ShC:						
Schattel	Sloping Clay Loam	3,500	2,500	2,000	false Rhodes grass	15
					pinhole bluestem	15
					pink pappusgrass	15
					miscellaneous perennial grasses	10
					plains bristlegrass	10
					Arizona cottontop	5
					Wright's threeawn	5
					curlymesquite	5
					lovegrass tridens	5
					miscellaneous perennial forbs	5
					miscellaneous shrubs	5
					slim tridens	5
StA:						
Sinton	Loamy Bottomland	7,000	6,000	4,000	false Rhodes grass	15
					little bluestem	15
					miscellaneous perennial grasses	10
					vine mesquite	10
					Texas wintergrass	5
					Virginia wildrye	5
					buffalograss	5
					miscellaneous shrubs	5
					pink pappusgrass	5
					plains bristlegrass	5
					sideoats grama	5
					southwestern bristlegrass	5
					switchgrass	5
					white tridens	5
SxA:						
Sinton	Loamy Bottomland	7,000	6,000	4,000	false Rhodes grass	15
					little bluestem	15
					miscellaneous perennial grasses	10
					vine mesquite	10
					Texas wintergrass	5
					Virginia wildrye	5
					buffalograss	5
					miscellaneous shrubs	5
					pink pappusgrass	5
					plains bristlegrass	5
					sideoats grama	5
					southwestern bristlegrass	5
					switchgrass	5
					white tridens	5

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production: Favorable year	Normal year	Unfavorable year	Characteristic vegetation	Rangeland composition
		Lb/acre	Lb/acre	Lb/acre		Pct
TcA:						
Tiocano	Lakebed	5,000	4,000	3,000	spike lovegrass	20
					Hartweg's paspalum	20
					white tridens	20
					switchgrass	10
					knotroot bristlegrass	10
					buffalograss	10
					sedge	5
					other annual forbs	5
UsC:						
Ustarents	---	---	---	---	---	---
W:						
Water	---	---	---	---	---	---
WaB:						
Weesatche	Sandy Loam	5,600	4,400	3,000	multiflower false Rhodes grass	20
					hooded windmill grass	10
					Arizona cottontop	10
					tanglehead	10
					southwestern bristlegrass	10
					plains bristlegrass	10
					Pappusgrass spp.	10
					beardgrass	10
					miscellaneous shrubs	5
					miscellaneous perennial forbs	3
					other annual forbs	2
WaC:						
Weesatche	Sandy Loam	5,600	4,400	3,000	multiflower false Rhodes grass	20
					hooded windmill grass	10
					Arizona cottontop	10
					tanglehead	10
					southwestern bristlegrass	10
					plains bristlegrass	10
					Pappusgrass spp.	10
					beardgrass	10
					miscellaneous shrubs	5
					miscellaneous perennial forbs	3
					other annual forbs	2

Table 7.--Rangeland Productivity and Characteristic Plant Communities--Continued

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
WeB:						
Weesatche	Clay Loam	5,800	4,400	3,000	multiflower false Rhodes grass	20
					hooded windmill grass	10
					Arizona cottontop	10
					tanglehead	10
					southwestern bristlegrass	10
					plains bristlegrass	10
					Pappusgrass spp.	10
					beardgrass	10
					miscellaneous shrubs	5
					miscellaneous perennial forbs	3
					other annual forbs	2

Table 8.--Wildlife Habitat

(See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)

Map symbol and soil name	Potential for habitat elements: Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Potential as habitat for--: Openland wildlife	Wetland wildlife	Rangeland wildlife
AnC:										
Annarose	Fair	Good	Good	---	Good	Poor	Very poor	Fair	Very poor	Good
BcA:										
Buchel	Fair	Fair	Poor	---	Fair	Poor	Poor	Fair	Very poor	Poor
BfA:										
Buchel	Very poor	Poor	Poor	---	Fair	Poor	Poor	Poor	Poor	Poor
CaB:										
Campbellton	Good	Good	Fair	---	Fair	Very poor	Very poor	Good	Very poor	Fair
CaC:										
Campbellton	Fair	Good	Fair	---	Fair	Very poor	Very poor	Fair	Very poor	Fair
CeB:										
Choke	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
CeC:										
Choke	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
CkA:										
Clareville	Good	Good	Fair	---	Good	Poor	Very poor	Good	Very poor	Fair
CkB:										
Clareville	Good	Good	Fair	---	Good	Poor	Very poor	Good	Very poor	Fair
CnA:										
Condido	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
CoB:										
Conquista	Poor	Fair	Fair	---	Fair	Poor	Very poor	Poor	Very poor	Fair
CoG:										
Conquista	Very poor	Very poor	Fair	---	Fair	Very poor	Very poor	Poor	Very poor	Fair
CtB:										
Cotulla	Poor	Poor	Fair	---	Fair	Poor	Poor	Poor	Poor	Fair
CyA:										
Coy	Good	Good	Fair	---	Good	Poor	Very poor	Good	Very poor	Fair

Table 8.--Wildlife Habitat--Continued

Map symbol and soil name	Potential for habitat elements: Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Potential as habitat for--: Openland wildlife	Wetland wildlife	Rangeland wildlife
CyB:										
Coy	Good	Good	Fair	---	Good	Poor	Very poor	Good	Very poor	Fair
DAM:										
Dam	---	---	---	---	---	---	---	---	---	---
DnA:										
Danjer	Good	Good	Fair	---	Fair	Poor	Poor	Good	Poor	Fair
DnB:										
Danjer	Fair	Good	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
EcB:										
Ecleto	Fair	Good	Good	---	Good	Poor	Very poor	Good	Very poor	Good
EsA:										
Eloso	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
EsB:										
Eloso	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
EvA:										
Esseville	Poor	Fair	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
EvB:										
Esseville	Poor	Fair	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
EvC:										
Esseville	Poor	Fair	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
ExC:										
Esseville	Fair	Fair	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
FaC:										
Fashing	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
GoB:										
Goliad	Fair	Good	Good	---	Good	Poor	Very poor	Good	Very poor	Good
HnD:										
Hindes	Poor	Poor	Fair	---	Fair	Very poor	Very poor	Poor	Very poor	Fair
ImA:										
Imogene	Poor	Poor	Poor	---	Poor	Poor	Very poor	Poor	Very poor	Poor
LaB:										
Lacoste	Poor	Poor	Fair	---	Poor	Very poor	Very poor	Poor	Very poor	Poor

Table 8.--Wildlife Habitat--Continued

Map symbol and soil name	Potential for habitat elements: Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Potential as habitat for--: Openland wildlife	Wetland wildlife	Rangeland wildlife
LpB:										
Laparita	Fair	Fair	Fair	---	Fair	Very poor	Very poor	Fair	Very poor	Fair
LtA:										
Lattas	Fair	Good	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
LtB:										
Lattas	Fair	Good	Fair	---	Fair	Poor	Poor	Fair	Poor	Fair
MaD:										
Mata	Poor	Poor	Fair	---	Fair	Poor	Very poor	Poor	Very poor	Fair
MoA:										
Monteola	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
MoB:										
Monteola	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
NuC:										
Nusil	Fair	Fair	Good	---	Fair	Poor	Very poor	Fair	Very poor	Fair
OdA:										
Odem	Good	Good	Good	---	Good	Poor	Very poor	Good	Very poor	Good
OmD:										
Olmos	Very poor	Very poor	Poor	---	Fair	Very poor	Very poor	Very poor	Very poor	Poor
PaB:										
Papalote	Good	Good	Good	Poor	Good	Poor	Poor	Good	Poor	Good
PbA:										
Papalote	Good	Good	Good	Poor	Good	Poor	Poor	Good	Poor	Good
PbB:										
Papalote	Good	Good	Good	Poor	Good	Poor	Poor	Good	Poor	Good
PcB:										
Parrita	Fair	Good	Fair	---	Good	Poor	Very poor	Fair	Very poor	Fair
PkB:										
Pavelek	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
PkC2:										
Pavelek	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair

Table 8.--Wildlife Habitat--Continued

Map symbol and soil name	Potential for habitat elements: Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Potential as habitat for--: Openland wildlife	Wetland wildlife	Rangeland wildlife
PmC:										
Pernitas	Fair	Good	Fair	---	Good	Poor	Very poor	Fair	Very poor	Fair
PnB:										
Pernitas	Good	Good	Fair	---	Good	Poor	Very poor	Good	Very poor	Fair
PtC:										
Pettus	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
PvC:										
Picosa	Very poor	Very poor	Poor	---	Poor	Poor	Very poor	Very poor	Very poor	Poor
Px:										
Pits	Very poor	Very poor	Very poor	---	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
RhC:										
Rhymes	Fair	Fair	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
RoA:										
Rosenbrock	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
RoB:										
Rosenbrock	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
RrA:										
Rosenbrock	Fair	Good	Fair	---	Fair	Poor	Very poor	Fair	Very poor	Fair
SaD:										
Sancajo	Very poor	Very poor	Poor	---	Fair	Very poor	Very poor	Very poor	Very poor	Very poor
SeD:										
Sarnosa	Fair	Good	Good	---	Good	Very poor	Very poor	Good	Very poor	Good
ShC:										
Schattel	Poor	Fair	Fair	---	Fair	Very poor	Very poor	Fair	Very poor	Fair
StA:										
Sinton	Good	Good	Good	---	Good	Poor	Very poor	Good	Very poor	Good
SxA:										
Sinton	Very poor	Poor	Fair	---	Good	Poor	Very poor	Poor	Very poor	Fair

Table 8.--Wildlife Habitat--Continued

Map symbol and soil name	Potential for habitat elements: Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Potential as habitat for--: Openland wildlife	Wetland wildlife	Rangeland wildlife
TcA:										
Tiocano	Poor	Fair	Poor	---	Fair	Poor	Good	Poor	Fair	Poor
UsC:										
Ustarents	Good	Good	Good	---	Good	Poor	Very poor	Good	Very poor	Good
W:										
Water	---	---	---	---	---	---	---	---	---	---
WaB:										
Weesatche	Good	Good	Fair	---	Fair	Very poor	Very poor	Good	Very poor	Fair
WaC:										
Weesatche	Fair	Good	Fair	---	Fair	Very poor	Very poor	Fair	Very poor	Fair
WeB:										
Weesatche	Good	Good	Fair	---	Fair	Very poor	Very poor	Good	Very poor	Fair

Table 9.--Camp Areas, Picnic Areas, and Playgrounds

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:							
Annarose	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
BcA:							
Buchel	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too clayey	0.50	Flooding	0.60
		Too clayey	0.50	Slow water movement	0.45	Too clayey	0.50
		Slow water movement	0.45			Slow water movement	0.45
BfA:							
Buchel	90	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Too clayey	0.50	Flooding	1.00
		Too clayey	0.50	Slow water movement	0.45	Too clayey	0.50
		Slow water movement	0.45	Flooding	0.40	Slow water movement	0.45
CaB:							
Campbellton	70	Not limited		Not limited		Not limited	
CaC:							
Campbellton	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
CeB:							
Choke	70	Not limited		Not limited		Not limited	
CeC:							
Choke	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
CkA:							
Clareville	70	Not limited		Not limited		Not limited	
CkB:							
Clareville	70	Not limited		Not limited		Not limited	
CnA:							
Condido	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
CoB:							
Conquista	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45

Table 9.--Camp Areas, Picnic Areas, and Playgrounds--Continued

Map symbol and soil name	Pct. of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
CoG:							
Conquista	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
CtB:							
Cotulla	70	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
						Gravel content	0.06
CyA:							
Coy	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
CyB:							
Coy	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
DnB:							
Danjer	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
EcB:							
Ecleto	85	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39
EsA:							
Eloso	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
EsB:							
Eloso	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
EvA:							
Esseville	80	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45

Table 9.--Camp Areas, Picnic Areas, and Playgrounds--Continued

Map symbol and soil name	Pct. of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
EvB:							
Esseville	80	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
EvC:							
Esseville	70	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.71
		Slow water movement	0.45	Slow water movement	0.45	Slope	0.50
ExC:							
Esseville	75	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Too clayey	0.50	Too clayey	0.50	Gravel content	1.00
		Slow water movement	0.45	Slow water movement	0.45	Too clayey	0.50
FaC:							
Fashing	75	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	0.39	Slow water movement	0.39	Slope	0.50
						Slow water movement	0.39
GoB:							
Goliad	70	Somewhat limited		Somewhat limited		Not limited	
		Depth to cemented pan	0.06	Depth to cemented pan	0.06		
HnD:							
Hindes	80	Very limited		Very limited		Very limited	
		Gravel content	1.00	Gravel content	1.00	Gravel content	1.00
						Slope	1.00
						Large stones content	0.08
ImA:							
Imogene	75	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
LaB:							
Lacoste	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
LpB:							
Laparita	75	Not limited		Not limited		Not limited	
LtA:							
Lattas	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45

Table 9.--Camp Areas, Picnic Areas, and Playgrounds--Continued

Map symbol and soil name	Pct. of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
LtB:							
Lattas	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
MaD:							
Mata	75	Somewhat limited		Somewhat limited		Very limited	
		Gravel content	0.05	Gravel content	0.05	Gravel content	1.00
						Slope	0.50
MoA:							
Monteola	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
MoB:							
Monteola	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
NuC:							
Nusil	75	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39
						Slope	0.12
OdA:							
Odem	70	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
OmD:							
Olmos	80	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Gravel content	1.00
		Gravel content	0.99	Gravel content	0.99	Depth to cemented pan	1.00
						Slope	0.88
PaB:							
Papalote	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.83	Too sandy	0.83	Too sandy	0.83
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39
PbA:							
Papalote	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39
PbB:							
Papalote	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39

Table 9.--Camp Areas, Picnic Areas, and Playgrounds--Continued

Map symbol and soil name	Pct. of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
PcB:							
Parrita	75	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
PkB:							
Pavelek	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slow water movement	0.39	Slow water movement	0.39	Slow water movement	0.39
						Gravel content	0.06
PkC2:							
Pavelek, severely eroded	70	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slow water movement	0.39	Slow water movement	0.39	Slope	0.50
PmC:							
Pernitas	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
PnB:							
Pernitas	70	Not limited		Not limited		Not limited	
PtC:							
Pettus	75	Not limited		Not limited		Somewhat limited	
						Slope	0.50
						Gravel content	0.22
PvC:							
Picosa	75	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
						Gravel content	0.41
Px:							
Pits	90	Not rated		Not rated		Not rated	
RhC:							
Rhymes	75	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.12
RoA:							
Rosenbrock	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45
RoB:							
Rosenbrock	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Slow water movement	0.45	Slow water movement	0.45	Slow water movement	0.45

Table 9.--Camp Areas, Picnic Areas, and Playgrounds--Continued

Map symbol and soil name	Pct. of map unit	Camp areas: Rating class and limiting features	Value	Picnic areas: Rating class and limiting features	Value	Playgrounds: Rating class and limiting features	Value
RrA:							
Rosenbrock	80	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too clayey	0.50	Too clayey	0.50
		Too clayey	0.50	Slow water movement	0.45	Slow water movement	0.45
		Slow water movement	0.45				
SaD:							
Sancajo	80	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Gravel content	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00	Depth to bedrock	1.00
		Gravel content	0.99	Gravel content	0.99	Depth to cemented pan	1.00
SeD:							
Sarnosa	80	Not limited		Not limited		Very limited	
						Slope	1.00
ShC:							
Schattel	70	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
						Slope	0.50
StA:							
Sinton	80	Very limited		Not limited		Somewhat limited	
		Flooding	1.00			Flooding	0.60
SxA:							
Sinton	80	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.40	Flooding	1.00
TcA:							
Tiocano	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Depth to saturated zone	1.00	Ponding	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
UsC:							
Ustarents	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Not limited		Not limited		Not limited	
WaC:							
Weesatche	70	Not limited		Not limited		Somewhat limited	
						Slope	0.50
WeB:							
Weesatche	70	Not limited		Not limited		Not limited	

Table 10.--Paths, Trails, and Golf Course Fairways

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Golf course fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:							
Annarose	70	Not limited		Not limited		Not limited	
BcA:							
Buchel	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Flooding	0.60
BfA:							
Buchel	90	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Flooding	1.00
		Flooding	0.40	Flooding	0.40	Too clayey	1.00
CaB:							
Campbellton	70	Not limited		Not limited		Not limited	
CaC:							
Campbellton	70	Not limited		Not limited		Not limited	
CeB:							
Choke	70	Not limited		Not limited		Not limited	
CeC:							
Choke	70	Not limited		Not limited		Not limited	
CkA:							
Clareville	70	Not limited		Not limited		Not limited	
CkB:							
Clareville	70	Not limited		Not limited		Not limited	
CnA:							
Condido	70	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Depth to cemented pan	1.00
						Too clayey	1.00
						Carbonate content	1.00
CoB:							
Conquista	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
CoG:							
Conquista	85	Very limited		Somewhat limited		Very limited	
		Slope	1.00	Too clayey	0.50	Slope	1.00
		Too clayey	0.50	Slope	0.22	Too clayey	1.00
CtB:							
Cotulla	70	Not limited		Not limited		Very limited	
						Sodium content	1.00
CyA:							
Coy	80	Not limited		Not limited		Not limited	

Table 10.--Paths, Trails, and Golf Course Fairways--Continued

Map symbol and soil name	Pct. of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf course fairways: Rating class and limiting features	Value
CyB:							
Coy	75	Not limited		Not limited		Not limited	
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Not limited		Not limited		Not limited	
DnB:							
Danjer	70	Not limited		Not limited		Not limited	
EcB:							
Ecleto	85	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	0.49
EsA:							
Eloso	70	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Depth to bedrock	0.03
EsB:							
Eloso	70	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
						Depth to bedrock	0.46
EvA:							
Esseville	80	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
						Depth to bedrock	0.03
EvB:							
Esseville	80	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
						Depth to bedrock	0.06
EvC:							
Esseville	70	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
						Depth to bedrock	0.71
ExC:							
Esseville	75	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Sodium content	1.00
						Too clayey	1.00
						Gravel content	0.10
FaC:							
Fashing	75	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	1.00
GoB:							
Goliad	70	Not limited		Not limited		Somewhat limited	
						Depth to cemented pan	0.06

Table 10.--Paths, Trails, and Golf Course Fairways--Continued

Map symbol and soil name	Pct. of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf course fairways: Rating class and limiting features	Value
HnD:							
Hindes	80	Not limited		Not limited		Very limited	
						Gravel content	1.00
						Carbonate content	1.00
						Droughty	0.47
ImA:							
Imogene	75	Not limited		Not limited		Very limited	
						Sodium content	1.00
						Droughty	0.03
LaB:							
Lacoste	70	Not limited		Not limited		Very limited	
						Depth to cemented pan	1.00
						Droughty	1.00
						Depth to bedrock	0.20
LpB:							
Laparita	75	Not limited		Not limited		Not limited	
LtA:							
Lattas	85	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
LtB:							
Lattas	75	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
MaD:							
Mata	75	Not limited		Not limited		Somewhat limited	
						Gravel content	0.05
						Droughty	0.01
MoA:							
Monteola	80	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
MoB:							
Monteola	75	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
NuC:							
Nusil	75	Very limited		Very limited		Somewhat limited	
		Too sandy	1.00	Too sandy	1.00	Droughty	0.45
OdA:							
Odem	70	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
OmD:							
Olmos	80	Not limited		Not limited		Very limited	
						Depth to cemented pan	1.00
						Droughty	1.00
						Carbonate content	1.00
PaB:							
Papalote	80	Somewhat limited		Somewhat limited		Not limited	
		Too sandy	0.83	Too sandy	0.83		

Table 10.--Paths, Trails, and Golf Course Fairways--Continued

Map symbol and soil name	Pct. of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf course fairways: Rating class and limiting features	Value
PbA:							
Papalote	70	Not limited		Not limited		Not limited	
PbB:							
Papalote	70	Not limited		Not limited		Not limited	
PcB:							
Parrita	75	Not limited		Not limited		Very limited	
						Depth to cemented pan	1.00
						Carbonate content	1.00
						Droughty	0.71
PkB:							
Pavelek	70	Not limited		Not limited		Very limited	
						Depth to cemented pan	1.00
						Carbonate content	1.00
						Depth to bedrock	0.90
PkC2:							
Pavelek, severely eroded	70	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Depth to cemented pan	1.00
						Droughty	1.00
PmC:							
Pernitas	70	Not limited		Not limited		Not limited	
PnB:							
Pernitas	70	Not limited		Not limited		Not limited	
PtC:							
Pettus	75	Not limited		Not limited		Very limited	
						Carbonate content	1.00
						Droughty	0.82
PvC:							
Picosa	75	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Droughty	1.00
						Sodium content	1.00
Px:							
Pits	90	Not rated		Not rated		Not rated	
RhC:							
Rhymes	75	Very limited		Very limited		Somewhat limited	
		Too sandy	1.00	Too sandy	1.00	Droughty	0.43
RoA:							
Rosenbrock	75	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
RoB:							
Rosenbrock	70	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00

Table 10.--Paths, Trails, and Golf Course Fairways--Continued

Map symbol and soil name	Pct. of map unit	Paths and trails: Rating class and limiting features	Value	Off-road motorcycle trails: Rating class and limiting features	Value	Golf course fairways: Rating class and limiting features	Value
RrA:							
Rosenbrock	80	Somewhat limited		Somewhat limited		Very limited	
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
SaD:							
Sancajo	80	Not limited		Not limited		Very limited	
						Depth to bedrock	1.00
						Depth to cemented pan	1.00
						Droughty	1.00
SeD:							
Sarnosa	80	Not limited		Not limited		Not limited	
ShC:							
Schattel	70	Not limited		Not limited		Very limited	
						Sodium content	1.00
StA:							
Sinton	80	Not limited		Not limited		Somewhat limited	
						Flooding	0.60
SxA:							
Sinton	80	Somewhat limited		Somewhat limited		Very limited	
		Flooding	0.40	Flooding	0.40	Flooding	1.00
TcA:							
Tiocano	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Ponding	1.00
		Ponding	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	1.00
UsC:							
Ustarents	70	Not limited		Not limited		Not limited	
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Not limited		Not limited		Not limited	
WaC:							
Weesatche	70	Not limited		Not limited		Not limited	
WeB:							
Weesatche	70	Not limited		Not limited		Not limited	

Table 11.--Dwellings and Small Commercial Buildings

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:							
Annarose	70	Not limited		Not limited		Not limited	
BcA:							
Buchel	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
BfA:							
Buchel	90	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
CaB:							
Campbellton	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
CaC:							
Campbellton	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
CeB:							
Choke	70	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.78			Shrink-swell	0.78
CeC:							
Choke	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
CkA:							
Clareville	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
CkB:							
Clareville	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
CnA:							
Condido	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Depth to thin cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to thin cemented pan	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.64		
CoB:							
Conquista	85	Not limited		Not limited		Not limited	
CoG:							
Conquista	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

Table 11.--Dwellings and Small Commercial Buildings--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
CtB:							
Cotulla	70	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
CyA:							
Coy	80	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
CyB:							
Coy	75	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
DnB:							
Danjer	70	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00
EcB:							
Ecleto	85	Very limited Shrink-swell Depth to soft bedrock	 1.00 0.50	Very limited Shrink-swell Depth to soft bedrock	 1.00 1.00	Very limited Depth to soft bedrock Shrink-swell	 1.00 1.00
EsA:							
Eloso	70	Very limited Shrink-swell	 1.00	Somewhat limited Depth to soft bedrock	 0.03	Very limited Shrink-swell	 1.00
EsB:							
Eloso	70	Very limited Shrink-swell	 1.00	Somewhat limited Depth to soft bedrock	 0.46	Very limited Shrink-swell	 1.00
EvA:							
Esseville	80	Very limited Shrink-swell	 1.00	Very limited Shrink-swell Depth to soft bedrock	 1.00 0.03	Very limited Shrink-swell	 1.00
EvB:							
Esseville	80	Very limited Shrink-swell	 1.00	Very limited Shrink-swell Depth to soft bedrock	 1.00 0.06	Very limited Shrink-swell	 1.00
EvC:							
Esseville	70	Very limited Shrink-swell	 1.00	Very limited Shrink-swell Depth to soft bedrock	 1.00 0.71	Very limited Shrink-swell	 1.00

Table 11.--Dwellings and Small Commercial Buildings--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
ExC:							
Esseville	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.03		
FaC:							
Fashing	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Depth to soft bedrock	1.00
		Depth to soft bedrock	0.50	Depth to soft bedrock	1.00	Shrink-swell	1.00
GoB:							
Goliad	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to thin cemented pan	0.06		
HnD:							
Hindes	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Large stones content	0.16	Large stones content	0.16	Slope	0.50
						Large stones content	0.16
ImA:							
Imogene	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
LaB:							
Lacoste	70	Somewhat limited		Very limited		Somewhat limited	
		Depth to thin cemented pan	0.50	Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00
				Depth to soft bedrock	0.20		
LpB:							
Laparita	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
LtA:							
Lattas	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
LtB:							
Lattas	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
MaD:							
Mata	75	Not limited		Not limited		Not limited	
MoA:							
Monteola	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
MoB:							
Monteola	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00

Table 11.--Dwellings and Small Commercial Buildings--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
NuC:							
Nusil	75	Not limited		Not limited		Not limited	
OdA:							
Odem	70	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
OmD:							
Olmos	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to thin cemented pan	0.50	Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00
				Depth to soft bedrock	0.46	Slope	0.12
PaB:							
Papalote	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
PbA:							
Papalote	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
PbB:							
Papalote	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
PcB:							
Parrita	75	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to soft bedrock	0.64	Shrink-swell	0.50
				Shrink-swell	0.50		
PkB:							
Pavelek	70	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to soft bedrock	0.90	Shrink-swell	0.50
				Shrink-swell	0.50		
PkC2:							
Pavelek, severely eroded	70	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to soft bedrock	1.00	Depth to thin cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to thin cemented pan	1.00	Depth to soft bedrock	1.00
		Depth to soft bedrock	0.50	Shrink-swell	0.50	Shrink-swell	0.50
PmC:							
Pernitas	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
PnB:							
Pernitas	70	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Table 11.--Dwellings and Small Commercial Buildings--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
PtC:							
Pettus	75	Not limited		Not limited		Not limited	
PvC:							
Picosa	75	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	0.50	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Px:							
Pits	90	Not rated		Not rated		Not rated	
RhC:							
Rhymes	75	Not limited		Not limited		Not limited	
RoA:							
Rosenbrock	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
RoB:							
Rosenbrock	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
RrA:							
Rosenbrock	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
SaD:							
Sancajo	80	Somewhat limited		Very limited		Somewhat limited	
		Large stones content	0.99	Depth to soft bedrock	1.00	Depth to thin cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to thin cemented pan	1.00	Depth to soft bedrock	1.00
		Depth to soft bedrock	0.50	Large stones content	0.99	Large stones content	0.99
SeD:							
Sarnosa	80	Not limited		Not limited		Somewhat limited	
						Slope	0.50
ShC:							
Schattel	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
StA:							
Sinton	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
SxA:							
Sinton	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
TcA:							
Tiocano	90	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00

Table 11.--Dwellings and Small Commercial Buildings--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements: Rating class and limiting features	Value	Dwellings with basements: Rating class and limiting features	Value	Small commercial buildings: Rating class and limiting features	Value
UsC:							
Ustarents	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
WaC:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
WeB:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:							
Annarose	70	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
BcA:							
Buchel	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Low strength	1.00	Too clayey	0.50		
BfA:							
Buchel	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Too clayey	1.00
		Low strength	1.00	Too clayey	0.50		
CaB:							
Campbellton	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.01		
CaC:							
Campbellton	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.01		
CeB:							
Choke	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.78				
CeC:							
Choke	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
CkA:							
Clareville	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
CkB:							
Clareville	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
CnA:							
Condido	70	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Low strength	1.00	Depth to soft bedrock	0.64	Too clayey	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10	Carbonate content	1.00

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
CoB:							
Conquista	85	Not limited		Somewhat limited		Very limited	
				Cutbanks cave	0.10	Too clayey	1.00
CoG:							
Conquista	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Too clayey	1.00
CtB:							
Cotulla	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
		Low strength	1.00	Too clayey	0.50		
CyA:							
Coy	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
CyB:							
Coy	75	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	1.00	Too clayey	0.12		
DnB:							
Danjer	70	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	1.00	Too clayey	0.12		
EcB:							
Ecleto	85	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	0.49
		Shrink-swell	1.00				
EsA:							
Eloso	70	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.28	Too clayey	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10	Depth to bedrock	0.03
				Depth to soft bedrock	0.03		
EsB:							
Eloso	70	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Depth to soft bedrock	0.46	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.28	Depth to bedrock	0.46
				Cutbanks cave	0.10		

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
EvA:							
Esseville	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Too clayey	1.00	Sodium content	1.00
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.03	Depth to bedrock	0.03
EvB:							
Esseville	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Too clayey	1.00	Sodium content	1.00
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.06	Depth to bedrock	0.06
EvC:							
Esseville	70	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Too clayey	1.00	Sodium content	1.00
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
				Depth to soft bedrock	0.71	Depth to bedrock	0.71
ExC:							
Esseville	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Sodium content	1.00
		Low strength	1.00	Too clayey	0.72	Too clayey	1.00
				Depth to soft bedrock	0.03	Gravel content	0.10
FaC:							
Fashing	75	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Low strength	1.00	Dense layer	0.50	Droughty	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
GoB:							
Goliad	70	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Depth to cemented pan	0.06
		Shrink-swell	0.50	Depth to thin cemented pan	0.06		
				Too clayey	0.06		
HnD:							
Hindes	80	Somewhat limited		Very limited		Very limited	
		Large stones content	0.16	Cutbanks cave	1.00	Gravel content	1.00
				Large stones content	0.16	Carbonate content	1.00
				Too clayey	0.12	Droughty	0.47
ImA:							
Imogene	75	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Sodium content	1.00
		Low strength	0.22			Droughty	0.03

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
LaB:							
Lacoste	70	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
				Depth to soft bedrock	0.20	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.20
LpB:							
Laparita	75	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00	Too clayey	0.01		
LtA:							
Lattas	85	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.12		
LtB:							
Lattas	75	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.12		
MaD:							
Mata	75	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Gravel content	0.05
						Droughty	0.01
MoA:							
Monteola	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Low strength	1.00	Too clayey	0.50		
MoB:							
Monteola	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Low strength	1.00	Too clayey	0.50		
NuC:							
Nusil	75	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.45
OdA:							
Odem	70	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
				Cutbanks cave	0.10		
OmD:							
Olmos	80	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
				Cutbanks cave	1.00	Droughty	1.00
				Depth to soft bedrock	0.46	Carbonate content	1.00
PaB:							
Papalote	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
PbA:							
Papalote	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	0.50	Cutbanks cave	0.10		
PbB:							
Papalote	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	0.50	Cutbanks cave	0.10		
PcB:							
Parrita	75	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Low strength	1.00	Cutbanks cave	1.00	Carbonate content	1.00
		Shrink-swell	0.50	Depth to soft bedrock	0.64	Droughty	0.71
PkB:							
Pavelek	70	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Low strength	1.00	Depth to soft bedrock	0.90	Carbonate content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.90
PkC2:							
Pavelek, severely eroded	70	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	1.00
PmC:							
Pernitas	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
PnB:							
Pernitas	70	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
PtC:							
Pettus	75	Not limited		Very limited		Very limited	
				Cutbanks cave	1.00	Carbonate content	1.00
						Droughty	0.82
PvC:							
Picosa	75	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
				Cutbanks cave	0.10	Droughty	1.00
						Sodium content	1.00
Px:							
Pits	90	Not rated		Not rated		Not rated	

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets: Rating class and limiting features	Value	Shallow excavations: Rating class and limiting features	Value	Lawns and landscaping: Rating class and limiting features	Value
RhC:							
Rhymes	75	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.43
RoA:							
Rosenbrock	75	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.72		
RoB:							
Rosenbrock	70	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.72		
RrA:							
Rosenbrock	80	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.72		
		Flooding	0.40				
SaD:							
Sancajo	80	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Large stones content	0.99	Large stones content	0.99	Droughty	1.00
SeD:							
Sarnosa	80	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
ShC:							
Schattel	70	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.28	Sodium content	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10		
StA:							
Sinton	80	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
				Cutbanks cave	0.10		
SxA:							
Sinton	80	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
				Cutbanks cave	0.10		
TcA:							
Tiocano	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Ponding	1.00	Ponding	1.00
		Ponding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Too clayey	1.00
UsC:							
Ustarents	70	Not rated		Somewhat limited		Not limited	
				Cutbanks cave	0.10		

Table 12.--Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
WaC:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
WeB:							
Weesatche	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

Table 13.--Sewage Disposal

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
AnC:					
Annarose	70	Somewhat limited		Somewhat limited	
		Depth to bedrock	0.78	Seepage	0.50
		Slow water movement	0.50	Depth to soft bedrock	0.42
				Slope	0.32
BcA:					
Buchel	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Slow water movement	1.00		
BfA:					
Buchel	90	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Slow water movement	1.00		
CaB:					
Campbellton	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Depth to soft bedrock	0.93
		Depth to bedrock	0.98	Seepage	0.50
CaC:					
Campbellton	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Seepage	0.50
		Depth to bedrock	0.36	Slope	0.32
				Depth to soft bedrock	0.01
CeB:					
Choke	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
CeC:					
Choke	70	Somewhat limited		Somewhat limited	
		Depth to bedrock	0.59	Seepage	0.50
		Slow water movement	0.50	Slope	0.32
				Depth to soft bedrock	0.13
CkA:					
Clareville	70	Very limited		Not limited	
		Slow water movement	1.00		
CkB:					
Clareville	70	Very limited		Not limited	
		Slow water movement	1.00		

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
CnA:					
Condido	70	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Seepage	0.50
CoB:					
Conquista	85	Very limited		Not limited	
		Slow water movement	1.00		
CoG:					
Conquista	85	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Slow water movement	1.00		
CtB:					
Cotulla	70	Very limited		Not limited	
		Slow water movement	1.00		
CyA:					
Coy	80	Very limited		Not limited	
		Slow water movement	1.00		
CyB:					
Coy	75	Very limited		Not limited	
		Slow water movement	1.00		
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Very limited		Not limited	
		Slow water movement	1.00		
DnB:					
Danjer	70	Very limited		Not limited	
		Slow water movement	1.00		
EcB:					
Ecleto	85	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.27
EsA:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Seepage	0.50

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
EsB:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Seepage	0.50
EvA:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00		
EvB:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00		
EvC:					
Esseville	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.32
ExC:					
Esseville	75	Very limited		Very limited	
		Slow water movement	1.00	Depth to soft bedrock	1.00
		Depth to bedrock	1.00	Slope	0.08
FaC:					
Fashing	75	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Slope	0.32
GoB:					
Goliad	70	Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slow water movement	1.00	Depth to soft bedrock	0.96
		Depth to bedrock	0.99	Seepage	0.27
HnD:					
Hindes	80	Somewhat limited		Very limited	
		Slow water movement	0.50	Large stones content	1.00
		Large stones content	0.16	Slope	0.92
				Seepage	0.50
ImA:					
Imogene	75	Very limited		Not limited	
		Slow water movement	1.00		

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
LaB:					
Lacoste	70	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Seepage	0.50
LpB:					
Laparita	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Depth to soft bedrock	0.05
		Depth to bedrock	0.47		
LtA:					
Lattas	85	Very limited		Not limited	
		Slow water movement	1.00		
LtB:					
Lattas	75	Very limited		Not limited	
		Slow water movement	1.00		
MaD:					
Mata	75	Somewhat limited		Somewhat limited	
		Depth to bedrock	0.96	Depth to soft bedrock	0.88
		Slow water movement	0.50	Seepage	0.50
				Slope	0.32
MoA:					
Monteola	80	Very limited		Not limited	
		Slow water movement	1.00		
MoB:					
Monteola	75	Very limited		Not limited	
		Slow water movement	1.00		
NuC:					
Nusil	75	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
				Slope	0.08
OdA:					
Odem	70	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Seepage	1.00	Seepage	1.00
OmD:					
Olmos	80	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Slope	0.68

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
PaB:					
Papalote	80	Very limited		Not limited	
		Slow water movement	1.00		
PbA:					
Papalote	70	Very limited		Not limited	
		Slow water movement	1.00		
PbB:					
Papalote	70	Very limited		Not limited	
		Slow water movement	1.00		
PcB:					
Parrita	75	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Seepage	0.50
PkB:					
Pavelek	70	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Seepage	0.50
PkC2:					
Pavelek, severely eroded	70	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
				Seepage	0.50
PmC:					
Pernitas	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
				Slope	0.32
PnB:					
Pernitas	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
PtC:					
Pettus	75	Very limited		Very limited	
		Seepage	1.00	Seepage	1.00
		Slow water movement	0.50	Slope	0.32

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
PvC:					
Picosa	75	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	0.27
				Slope	0.08
Px:					
Pits	90	Not rated		Not rated	
RhC:					
Rhymes	75	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
				Slope	0.08
RoA:					
Rosenbrock	75	Very limited		Not limited	
		Slow water movement	1.00		
		Depth to bedrock	0.09		
RoB:					
Rosenbrock	70	Very limited		Not limited	
		Slow water movement	1.00		
		Depth to bedrock	0.14		
RrA:					
Rosenbrock	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Flooding	0.40
		Flooding	0.40		
SaD:					
Sancajo	80	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Large stones content	0.99	Large stones content	0.99
SeD:					
Sarnosa	80	Very limited		Very limited	
		Seepage	1.00	Seepage	1.00
		Slow water movement	0.50	Slope	0.92
ShC:					
Schattel	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Slope	0.32
		Depth to bedrock	0.69	Depth to soft bedrock	0.26
StA:					
Sinton	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Slow water movement	0.50	Seepage	0.50

Table 13.--Sewage Disposal--Continued

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
SxA:					
Sinton	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Seepage	1.00	Seepage	1.00
TcA:					
Tiocano	90	Very limited		Very limited	
		Slow water movement	1.00	Ponding	1.00
		Ponding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00		
UsC:					
Ustarents	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
				Slope	0.32
W:					
Water	100	Not rated		Not rated	
WaB:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
WaC:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50
				Slope	0.32
WeB:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Seepage	0.50

Table 14.--Landfills

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
AnC:							
Annarose	70	Not limited		Not limited		Not limited	
BcA:							
Buchel	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Too clayey	1.00
		Too clayey	1.00			Hard to compact	1.00
BfA:							
Buchel	90	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Too clayey	1.00
		Too clayey	1.00			Hard to compact	1.00
CaB:							
Campbellton	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
CaC:							
Campbellton	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
CeB:							
Choke	70	Not limited		Not limited		Not limited	
CeC:							
Choke	70	Not limited		Not limited		Very limited	
						Hard to compact	1.00
CkA:							
Clareville	70	Not limited		Not limited		Very limited	
						Hard to compact	1.00
CkB:							
Clareville	70	Somewhat limited		Not limited		Very limited	
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
CnA:							
Condido	70	Very limited		Very limited		Very limited	
		Too clayey	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50			Too clayey	1.00
						Hard to compact	1.00
CoB:							
Conquista	85	Not limited		Not limited		Not limited	
CoG:							
Conquista	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

Table 14.--Landfills--Continued

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
CtB:							
Cotulla	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Excess sodium	1.00			Hard to compact	1.00
						Sodium content	1.00
CyA:							
Coy	80	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
CyB:							
Coy	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
DAM:							
Dams	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
DnB:							
Danjer	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
EcB:							
Ecleto	85	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
EsA:							
Eloso	70	Not limited		Not limited		Not limited	
EsB:							
Eloso	70	Not limited		Not limited		Not limited	
EvA:							
Esseville	80	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Excess sodium	1.00			Hard to compact	1.00
						Sodium content	1.00
EvB:							
Esseville	80	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Excess sodium	1.00			Hard to compact	1.00
						Sodium content	1.00
EvC:							
Esseville	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Excess sodium	1.00			Hard to compact	1.00
						Sodium content	1.00

Table 14.--Landfills--Continued

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
ExC:							
Esseville	75	Very limited		Not limited		Very limited	
		Excess sodium	1.00			Sodium content	1.00
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
FaC:							
Fashing	75	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
GoB:							
Goliad	70	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	0.50	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
HnD:							
Hindes	80	Somewhat limited		Not limited		Very limited	
		Large stones content	0.01			Carbonate content	1.00
						Gravel content	0.03
						Large stones content	0.01
ImA:							
Imogene	75	Very limited		Not limited		Very limited	
		Excess sodium	1.00			Sodium content	1.00
LaB:							
Lacoste	70	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to bedrock	1.00	Depth to bedrock	1.00
LpB:							
Laparita	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
LtA:							
Lattas	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
LtB:							
Lattas	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
MaD:							
Mata	75	Very limited		Not limited		Somewhat limited	
		Depth to bedrock	1.00			Depth to bedrock	0.88
						Gravel content	0.09
MoA:							
Monteola	80	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00

Table 14.--Landfills--Continued

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
MoB:							
Monteola	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
NuC:							
Nusil	75	Very limited		Very limited		Very limited	
		Too sandy	1.00	Seepage	1.00	Too sandy	1.00
						Seepage	1.00
OdA:							
Odem	70	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Seepage	1.00	Seepage	1.00		
OmD:							
Olmos	80	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to bedrock	1.00	Depth to bedrock	1.00
						Carbonate content	1.00
						Gravel content	0.99
PaB:							
Papalote	80	Not limited		Not limited		Not limited	
PbA:							
Papalote	70	Not limited		Not limited		Not limited	
PbB:							
Papalote	70	Not limited		Not limited		Not limited	
PcB:							
Parrita	75	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too clayey	0.50			Hard to compact	1.00
						Too clayey	0.50
PkB:							
Pavelek	70	Very limited		Very limited		Very limited	
		Too clayey	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50			Too clayey	1.00
						Hard to compact	1.00
PkC2:							
Pavelek, severely eroded	70	Very limited		Very limited		Very limited	
		Too clayey	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50			Too clayey	1.00
						Hard to compact	1.00

Table 14.--Landfills--Continued

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
PmC:							
Pernitas	70	Not limited		Not limited		Very limited	
						Hard to compact	1.00
PnB:							
Pernitas	70	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
PtC:							
Pettus	75	Very limited		Not limited		Very limited	
		Seepage	1.00			Carbonate content	1.00
						Gravel content	0.66
PvC:							
Picosa	75	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Excess sodium	1.00				
		Excess salt	1.00				
Px:							
Pits	90	Not rated		Not rated		Not rated	
RhC:							
Rhymes	75	Very limited		Very limited		Very limited	
		Too sandy	1.00	Seepage	1.00	Too sandy	1.00
						Seepage	1.00
RoA:							
Rosenbrock	75	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
RoB:							
Rosenbrock	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
RrA:							
Rosenbrock	80	Very limited		Somewhat limited		Very limited	
		Too clayey	1.00	Flooding	0.40	Too clayey	1.00
		Flooding	0.40			Hard to compact	1.00
SaD:							
Sancajo	80	Somewhat limited		Very limited		Very limited	
		Large stones content	0.99	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to thin cemented pan	0.50			Carbonate content	1.00
						Large stones content	0.99
						Gravel content	0.13
SeD:							
Sarnosa	80	Very limited		Not limited		Not limited	
		Seepage	1.00				
ShC:							
Schattel	70	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
		Excess sodium	1.00			Hard to compact	1.00
						Sodium content	1.00

Table 14.--Landfills--Continued

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill: Rating class and limiting features	Value	Area sanitary landfill: Rating class and limiting features	Value	Daily cover for landfill: Rating class and limiting features	Value
StA:							
Sinton	80	Very limited		Very limited		Not limited	
		Flooding	1.00	Flooding	1.00		
SxA:							
Sinton	80	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Seepage	1.00	Seepage	1.00		
TcA:							
Tiocano	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Ponding	1.00	Ponding	1.00
		Ponding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
UsC:							
Ustarents	70	Not rated		Not limited		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Not limited		Not limited		Not limited	
WaC:							
Weesatche	70	Not limited		Not limited		Not limited	
WeB:							
Weesatche	70	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
AnC:					
Annarose	70	Not limited		Not limited	
BcA:					
Buchel	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Flooding	0.60	Flooding	1.00
		Runoff	0.40	Sodium content	0.08
BfA:					
Buchel	90	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Flooding	1.00	Flooding	1.00
		Runoff	0.40	Sodium content	0.08
CaB:					
Campbellton	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Slow water movement	0.37
CaC:					
Campbellton	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Slow water movement	0.37
		Salinity	0.06		
CeB:					
Choke	70	Not limited		Not limited	
CeC:					
Choke	70	Not limited		Not limited	
CkA:					
Clareville	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Slow water movement	0.37
CkB:					
Clareville	70	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Slow water movement	0.37
CnA:					
Condido	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Droughty	1.00	Droughty	1.00

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
CoB:					
Conquista	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Dense layer	1.00	Sodium content	0.08
		Runoff	0.40		
CoG:					
Conquista	85	Very limited		Very limited	
		Slope	1.00	Slow water movement	1.00
		Slow water movement	1.00	Slope	1.00
		Dense layer	1.00	Sodium content	0.08
CtB:					
Cotulla	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Sodium content	1.00	Sodium content	1.00
		Runoff	0.40		
CyA:					
Coy	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40	Sodium content	0.02
		Sodium content	0.02		
CyB:					
Coy	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40	Sodium content	0.02
		Sodium content	0.02		
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
DnB:					
Danjer	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
EcB:					
Ecleto	85	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
		Droughty	0.99	Droughty	0.99

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
EsA:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40	Depth to bedrock	0.03
		Depth to bedrock	0.03	Shallow to densic materials	0.03
EsB:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Depth to bedrock	0.46	Depth to bedrock	0.46
		Shallow to densic materials	0.46	Shallow to densic materials	0.46
EvA:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40	Sodium content	0.32
		Sodium content	0.32	Depth to bedrock	0.03
EvB:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Sodium content	1.00	Sodium content	1.00
		Salinity	0.50	Depth to bedrock	0.06
EvC:					
Esseville	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Depth to bedrock	0.71	Depth to bedrock	0.71
		Shallow to densic materials	0.71	Shallow to densic materials	0.71
ExC:					
Esseville	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Sodium content	1.00	Sodium content	1.00
		Salinity	0.78	Depth to bedrock	0.03
FaC:					
Fashing	75	Very limited		Very limited	
		Slow water movement	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Droughty	1.00	Slow water movement	1.00
GoB:					
Goliad	70	Somewhat limited		Somewhat limited	
		Droughty	0.71	Droughty	0.71
		Slow water movement	0.50	Slow water movement	0.37

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
		Depth to cemented pan	0.06	Depth to cemented pan	0.06
HnD:					
Hindes	80	Somewhat limited		Somewhat limited	
		Slow water movement	0.50	Slow water movement	0.37
		Droughty	0.05	Droughty	0.05
ImA:					
Imogene	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Sodium content	1.00	Sodium content	1.00
		Salinity	0.50		
LaB:					
Lacoste	70	Very limited		Very limited	
		Depth to cemented pan	1.00	Droughty	1.00
		Droughty	1.00	Depth to cemented pan	1.00
		Depth to bedrock	0.20	Depth to bedrock	0.20
LpB:					
Laparita	75	Somewhat limited		Very limited	
		Salinity	0.50	Low adsorption	1.00
		Slow water movement	0.50	Slow water movement	0.37
		Sodium content	0.32	Sodium content	0.32
LtA:					
Lattas	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
LtB:					
Lattas	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
MaD:					
Mata	75	Somewhat limited		Very limited	
		Droughty	0.51	Low adsorption	1.00
		Sodium content	0.18	Droughty	0.51
		Salinity	0.01	Sodium content	0.18
MoA:					
Monteola	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
MoB:					
Monteola	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
NuC:					
Nusil	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Filtering capacity	0.99	Filtering capacity	0.99
		Leaching	0.45		
OdA:					
Odem	70	Somewhat limited		Very limited	
		Flooding	0.60	Flooding	1.00
OmD:					
Olmos	80	Very limited		Very limited	
		Depth to cemented pan	1.00	Droughty	1.00
		Droughty	1.00	Depth to cemented pan	1.00
		Depth to bedrock	0.46	Depth to bedrock	0.46
PaB:					
Papalote	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
PbA:					
Papalote	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
PbB:					
Papalote	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
PcB:					
Parrita	75	Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Droughty	1.00	Low adsorption	1.00
		Depth to bedrock	0.65	Droughty	1.00
PkB:					
Pavelek	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00	Low adsorption	1.00
		Droughty	1.00	Droughty	1.00
PkC2:					
Pavelek, severely eroded	70	Very limited		Very limited	
		Slow water movement	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
PmC:					
Pernitas	70	Not limited		Not limited	
PnB:					
Pernitas	70	Not limited		Not limited	
PtC:					
Pettus	75	Somewhat limited		Somewhat limited	
		Droughty	0.33	Droughty	0.33
PvC:					
Picosa	75	Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00
		Salinity	1.00	Sodium content	1.00
Px:					
Pits	90	Not rated		Not rated	
RhC:					
Rhymes	75	Very limited		Very limited	
		Filtering capacity	0.99	Filtering capacity	0.99
		Slow water movement	0.50	Slow water movement	0.37
		Leaching	0.45		
RoA:					
Rosenbrock	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
RoB:					
Rosenbrock	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40		
RrA:					
Rosenbrock	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Runoff	0.40	Flooding	0.40
SaD:					
Sancajo	80	Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00
		Depth to cemented pan	1.00	Depth to bedrock	1.00
		Droughty	1.00	Depth to cemented pan	1.00
SeD:					
Sarnosa	80	Not limited		Not limited	

Table 15.--Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste: Rating class and limiting features	Value	Application of sewage sludge: Rating class and limiting features	Value
ShC:					
Schattel	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Sodium content	0.08	Sodium content	0.08
		Salinity	0.01		
StA:					
Sinton	80	Somewhat limited		Very limited	
		Flooding	0.60	Flooding	1.00
SxA:					
Sinton	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
TcA:					
Tiocano	90	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
UsC:					
Ustarents	70	Not limited		Not limited	
W:					
Water	100	Not rated		Not rated	
WaB:					
Weesatche	70	Not limited		Not limited	
WaC:					
Weesatche	70	Not limited		Not limited	
WeB:					
Weesatche	70	Not limited		Not limited	

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation		Overland flow of wastewater	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:					
Annarose	70	Somewhat limited		Very limited	
		Too steep	0.08	Seepage	1.00
				Depth to bedrock	0.42
BcA:					
Buchel	85	Very limited		Very limited	
		Slow water movement	1.00	Flooding	1.00
		Flooding	0.60	Too level	0.50
		Sodium content	0.08	Sodium content	0.08
BfA:					
Buchel	90	Very limited		Very limited	
		Slow water movement	1.00	Flooding	1.00
		Flooding	1.00	Too level	0.50
		Sodium content	0.08	Sodium content	0.08
CaB:					
Campbellton	70	Somewhat limited		Very limited	
		Slow water movement	0.37	Seepage	1.00
				Depth to bedrock	0.94
CaC:					
Campbellton	70	Somewhat limited		Very limited	
		Slow water movement	0.37	Seepage	1.00
		Too steep	0.08	Depth to bedrock	0.01
CeB:					
Choke	70	Not limited		Very limited	
				Seepage	1.00
CeC:					
Choke	70	Somewhat limited		Very limited	
		Too steep	0.08	Seepage	1.00
				Depth to bedrock	0.14
CkA:					
Clareville	70	Somewhat limited		Very limited	
		Slow water movement	0.37	Seepage	1.00
				Too level	0.50
CkB:					
Clareville	70	Somewhat limited		Very limited	
		Slow water movement	0.37	Seepage	1.00

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
CnA:					
Condido	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Droughty	1.00		
CoB:					
Conquista	85	Very limited		Somewhat limited	
		Slow water movement	1.00	Sodium content	0.08
		Sodium content	0.08		
CoG:					
Conquista	85	Very limited		Very limited	
		Slow water movement	1.00	Too steep	1.00
		Too steep	1.00	Sodium content	0.08
		Too steep	1.00		
CtB:					
Cotulla	70	Very limited		Very limited	
		Slow water movement	1.00	Sodium content	1.00
		Sodium content	1.00		
CyA:					
Coy	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Seepage	0.62
		Sodium content	0.02	Too level	0.50
				Sodium content	0.02
CyB:					
Coy	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Seepage	0.62
		Sodium content	0.02	Sodium content	0.02
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Too level	0.50
DnB:					
Danjer	70	Very limited		Not limited	
		Slow water movement	1.00		
EcB:					
Ecleto	85	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	1.00	Seepage	0.62
		Droughty	0.99	Sodium content	0.08

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
EsA:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	0.03	Too level	0.50
EsB:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	0.46		
EvA:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Sodium content	0.32	Too level	0.50
		Depth to bedrock	0.03	Sodium content	0.32
EvB:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Sodium content	1.00	Sodium content	1.00
		Depth to bedrock	0.06		
EvC:					
Esseville	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	0.71	Sodium content	0.32
		Sodium content	0.32		
ExC:					
Esseville	75	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Sodium content	1.00	Sodium content	1.00
		Depth to bedrock	0.03		
FaC:					
Fashing	75	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00		
		Slow water movement	1.00		
GoB:					
Goliad	70	Somewhat limited		Very limited	
		Droughty	0.71	Seepage	1.00
		Slow water movement	0.37	Depth to cemented pan	1.00
		Depth to cemented pan	0.06	Depth to bedrock	0.96
HnD:					
Hindes	80	Somewhat limited		Very limited	
		Too steep	0.68	Seepage	1.00
		Slow water movement	0.37	Cobble content	0.77
		Droughty	0.05		

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
ImA:					
Imogene	75	Very limited		Very limited	
		Slow water movement	1.00	Sodium content	1.00
		Sodium content	1.00	Seepage	1.00
				Too level	0.50
LaB:					
Lacoste	70	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to bedrock	0.20	Seepage	1.00
LpB:					
Laparita	75	Somewhat limited		Very limited	
		Slow water movement	0.37	Seepage	1.00
		Sodium content	0.32	Sodium content	0.32
				Depth to bedrock	0.05
LtA:					
Lattas	85	Very limited		Somewhat limited	
		Slow water movement	1.00	Too level	0.50
LtB:					
Lattas	75	Very limited		Not limited	
		Slow water movement	1.00		
MaD:					
Mata	75	Somewhat limited		Very limited	
		Droughty	0.51	Seepage	1.00
		Sodium content	0.18	Depth to bedrock	0.88
		Too steep	0.08	Sodium content	0.18
MoA:					
Monteola	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Too level	0.50
MoB:					
Monteola	75	Very limited		Not limited	
		Slow water movement	1.00		
NuC:					
Nusil	75	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
		Filtering capacity	0.99		
OdA:					
Odem	70	Somewhat limited		Very limited	
		Flooding	0.60	Flooding	1.00
				Seepage	1.00
				Too level	0.50

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
OmD:					
Olmos	80	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Depth to bedrock	0.46	Seepage	1.00
PaB:					
Papalote	80	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
PbA:					
Papalote	70	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
				Too level	0.50
PbB:					
Papalote	70	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
PcB:					
Parrita	75	Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to bedrock	1.00
		Droughty	1.00	Depth to cemented pan	1.00
		Depth to bedrock	0.65	Seepage	1.00
PkB:					
Pavelek	70	Very limited		Very limited	
		Depth to cemented pan	1.00	Depth to bedrock	1.00
		Droughty	1.00	Depth to cemented pan	1.00
		Slow water movement	1.00		
PkC2:					
Pavelek, severely eroded	70	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00		
PmC:					
Pernitas	70	Somewhat limited		Very limited	
		Too steep	0.08	Seepage	1.00
PnB:					
Pernitas	70	Not limited		Very limited	
				Seepage	1.00
PtC:					
Pettus	75	Somewhat limited		Very limited	
		Droughty	0.33	Seepage	1.00
		Too steep	0.08		

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
PvC:					
Picosa	75	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Seepage	1.00
		Sodium content	1.00	Sodium content	1.00
Px:					
Pits	90	Not rated		Not rated	
RhC:					
Rhymes	75	Very limited		Very limited	
		Filtering capacity	0.99	Seepage	1.00
		Slow water movement	0.37		
RoA:					
Rosenbrock	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Too level	0.50
RoB:					
Rosenbrock	70	Very limited		Not limited	
		Slow water movement	1.00		
RrA:					
Rosenbrock	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Too level	0.50
				Flooding	0.40
SaD:					
Sancajo	80	Very limited		Very limited	
		Droughty	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00	Seepage	1.00
SeD:					
Sarnosa	80	Somewhat limited		Very limited	
		Too steep	0.68	Seepage	1.00
ShC:					
Schattel	70	Very limited		Very limited	
		Slow water movement	1.00	Seepage	1.00
		Too steep	0.08	Depth to bedrock	0.26
		Sodium content	0.08	Sodium content	0.08
StA:					
Sinton	80	Somewhat limited		Very limited	
		Flooding	0.60	Flooding	1.00
				Seepage	1.00
				Too level	0.50

Table 16.--Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

Map symbol and soil name	Pct. of map unit	Disposal of wastewater by irrigation: Rating class and limiting features	Value	Overland flow of wastewater: Rating class and limiting features	Value
SxA:					
Sinton	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
				Seepage	1.00
				Too level	0.50
TcA:					
Tiocano	90	Very limited		Very limited	
		Slow water movement	1.00	Ponding	1.00
		Ponding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Too level	0.50
UsC:					
Ustarents	70	Somewhat limited		Very limited	
		Too steep	0.08	Seepage	1.00
W:					
Water	100	Not rated		Not rated	
WaB:					
Weesatche	70	Not limited		Very limited	
				Seepage	1.00
WaC:					
Weesatche	70	Somewhat limited		Very limited	
		Too steep	0.08	Seepage	1.00
WeB:					
Weesatche	70	Not limited		Very limited	
				Seepage	1.00

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
AnC:					
Annarose	70	Very limited		Somewhat limited	
		Depth to bedrock	1.00	Depth to bedrock	0.42
		Slow water movement	1.00	Too steep	0.08
BcA:					
Buchel	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Flooding	0.60	Flooding	0.60
				Sodium content	0.08
BfA:					
Buchel	90	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Slow water movement	1.00	Slow water movement	1.00
				Sodium content	0.08
CaB:					
Campbellton	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Depth to bedrock	0.94
		Depth to bedrock	1.00	Slow water movement	0.26
CaC:					
Campbellton	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Slow water movement	0.26
		Depth to bedrock	1.00	Too steep	0.08
				Depth to bedrock	0.01
CeB:					
Choke	70	Very limited		Not limited	
		Slow water movement	1.00		
CeC:					
Choke	70	Very limited		Somewhat limited	
		Depth to bedrock	1.00	Depth to bedrock	0.14
		Slow water movement	1.00	Too steep	0.08
CkA:					
Clareville	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Slow water movement	0.26

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
CkB:					
Clareville	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Slow water movement	0.26
CnA:					
Condido	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00	Slow water movement	1.00
CoB:					
Conquista	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
				Sodium content	0.08
CoG:					
Conquista	85	Very limited		Very limited	
		Slope	1.00	Too steep	1.00
		Slow water movement	1.00	Too steep	1.00
				Slow water movement	1.00
CtB:					
Cotulla	70	Very limited		Very limited	
		Slow water movement	1.00	Sodium content	1.00
				Slow water movement	1.00
CyA:					
Coy	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
				Sodium content	0.02
CyB:					
Coy	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
				Sodium content	0.02
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
DnB:					
Danjer	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
EcB:					
Ecleto	85	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	0.94
				Sodium content	0.08
EsA:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
EsB:					
Eloso	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
EvA:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
				Sodium content	0.32
EvB:					
Esseville	80	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Sodium content	1.00
				Slow water movement	1.00
EvC:					
Esseville	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
				Sodium content	0.32
ExC:					
Esseville	75	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	1.00
				Sodium content	1.00
FaC:					
Fashing	75	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Slow water movement	0.94
				Too steep	0.08

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
GoB:					
Goliad	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to cemented pan	1.00
		Depth to bedrock	1.00	Depth to bedrock	0.96
		Depth to cemented pan	1.00	Slow water movement	0.26
HnD:					
Hindes	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Too steep	0.68
		Slope	0.50	Slow water movement	0.26
		Cobble content	0.27		
ImA:					
Imogene	75	Very limited		Very limited	
		Slow water movement	1.00	Sodium content	1.00
				Slow water movement	1.00
LaB:					
Lacoste	70	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slow water movement	1.00		
LpB:					
Laparita	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Sodium content	0.32
		Depth to bedrock	1.00	Slow water movement	0.26
				Depth to bedrock	0.05
LtA:					
Lattas	85	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
LtB:					
Lattas	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
MaD:					
Mata	75	Very limited		Somewhat limited	
		Depth to bedrock	1.00	Depth to bedrock	0.88
		Slow water movement	1.00	Sodium content	0.18
				Too steep	0.08

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
MoA:					
Monteola	80	Very limited Slow water movement	1.00	Very limited Slow water movement	1.00
MoB:					
Monteola	75	Very limited Slow water movement	1.00	Very limited Slow water movement	1.00
NuC:					
Nusil	75	Very limited Slow water movement	1.00	Very limited Filtering capacity Slow water movement	0.99 0.94
OdA:					
Odem	70	Somewhat limited Flooding Slow water movement	0.60 0.32	Somewhat limited Flooding	0.60
OmD:					
Olmos	80	Very limited Depth to bedrock Depth to cemented pan Slow water movement	1.00 1.00 1.00	Very limited Depth to bedrock Depth to cemented pan Too steep	1.00 1.00 0.32
PaB:					
Papalote	80	Very limited Slow water movement	1.00	Somewhat limited Slow water movement	0.94
PbA:					
Papalote	70	Very limited Slow water movement	1.00	Somewhat limited Slow water movement	0.94
PbB:					
Papalote	70	Very limited Slow water movement	1.00	Somewhat limited Slow water movement	0.94
PcB:					
Parrita	75	Very limited Slow water movement Depth to bedrock Depth to cemented pan	1.00 1.00 1.00	Very limited Depth to bedrock Depth to cemented pan Slow water movement	1.00 1.00 0.26

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
PkB:					
Pavelek	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00	Slow water movement	0.94
PkC2:					
Pavelek, severely eroded	70	Very limited		Very limited	
		Slow water movement	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to cemented pan	1.00
		Depth to cemented pan	1.00	Slow water movement	0.94
PmC:					
Pernitas	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Too steep	0.08
PnB:					
Pernitas	70	Very limited		Not limited	
		Slow water movement	1.00		
PtC:					
Pettus	75	Very limited		Somewhat limited	
		Slow water movement	1.00	Too steep	0.08
PvC:					
Picosa	75	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	1.00	Sodium content	1.00
Px:					
Pits	90	Not rated		Not rated	
RhC:					
Rhymes	75	Very limited		Very limited	
		Slow water movement	1.00	Filtering capacity	0.99
				Slow water movement	0.26
RoA:					
Rosenbrock	75	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Depth to bedrock	1.00		
RoB:					
Rosenbrock	70	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
		Depth to bedrock	1.00		

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater: Rating class and limiting features	Value	Slow rate treatment of wastewater: Rating class and limiting features	Value
RrA:					
Rosenbrock	80	Very limited		Very limited	
		Slow water movement	1.00	Slow water movement	1.00
SaD:					
Sancajo	80	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00
		Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slow water movement	1.00	Too steep	0.32
SeD:					
Sarnosa	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Too steep	0.68
		Slope	0.50		
ShC:					
Schattel	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Slow water movement	0.94
		Depth to bedrock	1.00	Depth to bedrock	0.26
				Too steep	0.08
StA:					
Sinton	80	Very limited		Somewhat limited	
		Slow water movement	1.00	Flooding	0.60
		Flooding	0.60		
SxA:					
Sinton	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Slow water movement	1.00		
TcA:					
Tiocano	90	Very limited		Very limited	
		Ponding	1.00	Ponding	1.00
		Slow water movement	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slow water movement	1.00
UsC:					
Ustarents	70	Very limited		Somewhat limited	
		Slow water movement	1.00	Too steep	0.08
W:					
Water	100	Not rated		Not rated	
WaB:		Very limited		Not limited	
Weesatche		Slow water movement	1.00		

Table 17.--Agricultural Disposal of Wastewater by Infitration and Treatment of Wastewater--Continued

Map symbol and soil name	Pct. of map unit	Rapid infiltration of wastewater		Slow rate treatment of wastewater	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WaC:					
Weesatche	70	Very limited Slow water movement	1.00	Somewhat limited Too steep	0.08
WeB:					
Weesatche	70	Very limited Slow water movement	1.00	Not limited	

Table 18.--Source of Gravel and Sand

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
AnC:					
Annarose	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
BcA:					
Buchel	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
BfA:					
Buchel	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CaB:					
Campbellton	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CaC:					
Campbellton	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CeB:					
Choke	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CeC:					
Choke	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CkA:					
Clareville	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CkB:					
Clareville	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CnA:					
Condido	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CoB:					
Conquista	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 18.--Source of Gravel and Sand--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
CoG:					
Conquista	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CtB:					
Cotulla	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CyA:					
Coy	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
CyB:					
Coy	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
DnB:					
Danjer	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
EcB:					
Ecleto	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
EsA:					
Eloso	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
EsB:					
Eloso	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
EvA:					
Esseville	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
EvB:					
Esseville	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 18.--Source of Gravel and Sand--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
EvC:					
Esseville	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
ExC:					
Esseville	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
FaC:					
Fashing	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
GoB:					
Goliad	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
HnD:					
Hindes	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
ImA:					
Imogene	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
LaB:					
Lacoste	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
LpB:					
Laparita	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
LtA:					
Lattas	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
LtB:					
Lattas	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
MaD:					
Mata	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
MoA:					
Monteola	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 18.--Source of Gravel and Sand--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
MoB:					
Monteola	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
NuC:					
Nusil	75	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.14
OdA:					
Odem	70	Poor		Poor	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.00
OmD:					
Olmos	80	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
PaB:					
Papalote	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PbA:					
Papalote	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PbB:					
Papalote	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PcB:					
Parrita	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PkB:					
Pavelek	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PkC2:					
Pavelek, severely eroded	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PmC:					
Pernitas	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PnB:					
Pernitas	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 18.--Source of Gravel and Sand--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
PtC:					
Pettus	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PvC:					
Picosa	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Px:					
Pits	90	Not rated		Not rated	
RhC:					
Rhymes	75	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.12
RoA:					
Rosenbrock	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
RoB:					
Rosenbrock	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
RrA:					
Rosenbrock	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
SaD:					
Sancajo	80	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
SeD:					
Sarnosa	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
ShC:					
Schattel	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
StA:					
Sinton	80	Poor		Poor	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.00	Bottom layer	0.00
SxA:					
Sinton	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
TcA:					
Tiocano	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 18.--Source of Gravel and Sand--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
UsC:					
Ustarents	70	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
W:					
Water	100	Not rated		Not rated	
WaB:					
Weesatche	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
WaC:					
Weesatche	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
WeB:					
Weesatche	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
AnC:							
Annarose	70	Fair		Fair		Fair	
		Carbonate content	0.46	Depth to bedrock	0.58	Carbonate content	0.46
BcA:							
Buchel	85	Poor		Poor		Poor	
		Too clayey	0.00	Shrink-swell	0.00	Too clayey	0.00
		Carbonate content	0.68	Low strength	0.00	Carbonate content	0.68
		Sodium content	0.97			Sodium content	0.98
BfA:							
Buchel	90	Poor		Poor		Poor	
		Too clayey	0.00	Shrink-swell	0.00	Too clayey	0.00
		Carbonate content	0.68	Low strength	0.00	Carbonate content	0.68
		Sodium content	0.97			Sodium content	0.98
CaB:							
Campbellton	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Salinity	0.88	Depth to bedrock	0.07	Carbonate content	0.97
		Carbonate content	0.97	Shrink-swell	0.87		
CaC:							
Campbellton	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Salinity	0.88	Shrink-swell	0.87	Salinity	0.50
		Organic matter content low	0.88	Depth to bedrock	0.99	Carbonate content	0.97
CeB:							
Choke	70	Fair		Poor		Good	
		Organic matter content low	0.12	Low strength	0.00		
		Carbonate content	0.80	Shrink-swell	0.89		
		Salinity	0.88				
CeC:							
Choke	70	Fair		Poor		Fair	
		Too clayey	0.88	Low strength	0.00	Too clayey	0.73
		Salinity	0.88	Depth to bedrock	0.87		
				Shrink-swell	0.91		
CkA:							
Clareville	70	Fair		Poor		Fair	
		Carbonate content	0.16	Low strength	0.00	Too clayey	0.56
		Too clayey	0.68	Shrink-swell	0.15	Carbonate content	0.97
CkB:							
Clareville	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Carbonate content	0.16	Shrink-swell	0.14		

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
CnA:							
Condido	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Carbonate content	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Low strength	0.00	Depth to bedrock	0.35
CoB:							
Conquista	85	Fair		Good		Poor	
		Sodium content	0.97			Rock fragments	0.00
						Salinity	0.88
						Hard to reclaim (rock fragments)	0.92
CoG:							
Conquista	85	Fair		Poor		Poor	
		Sodium content	0.97	Slope	0.00	Slope	0.00
						Rock fragments	0.00
						Salinity	0.88
CtB:							
Cotulla	70	Poor		Poor		Poor	
		Too clayey	0.00	Shrink-swell	0.00	Too clayey	0.00
		Sodium content	0.00	Low strength	0.00	Sodium content	0.00
		Organic matter content low	0.82			Rock fragments	0.97
CyA:							
Coy	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
				Shrink-swell	0.14		
CyB:							
Coy	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
				Shrink-swell	0.12		
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
				Shrink-swell	0.12		
DnB:							
Danjer	70	Fair		Poor		Fair	
		Too clayey	0.50	Low strength	0.00	Too clayey	0.47
				Shrink-swell	0.12		
EcB:							
Ecleto	85	Poor		Poor		Poor	
		Depth to bedrock	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Droughty	0.00	Shrink-swell	0.12	Rock fragments	0.97

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
EsA:							
Eloso	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.85	Depth to bedrock	0.97
		Depth to bedrock	0.97				
EsB:							
Eloso	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.95	Depth to bedrock	0.54
		Depth to bedrock	0.54				
EvA:							
Esseville	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Sodium content	0.78	Shrink-swell	0.00	Sodium content	0.78
		Salinity	0.88	Low strength	0.00	Salinity	0.88
EvB:							
Esseville	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Sodium content	0.00	Shrink-swell	0.00	Sodium content	0.00
		Organic matter content low	0.18	Low strength	0.00	Salinity	0.00
EvC:							
Esseville	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.00	Salinity	0.00
		Depth to bedrock	0.29	Low strength	0.00	Depth to bedrock	0.29
ExC:							
Esseville	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too clayey	0.00
		Sodium content	0.00	Shrink-swell	0.00	Salinity	0.00
		Organic matter content low	0.18	Low strength	0.00	Sodium content	0.00
FaC:							
Fashing	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Hard to reclaim (dense layer)	0.00
		Depth to bedrock	0.00	Low strength	0.00	Depth to bedrock	0.00
		Too clayey	0.50	Shrink-swell	0.12	Too clayey	0.44
GoB:							
Goliad	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to cemented pan	0.00	Too clayey	0.00
		Organic matter content low	0.18	Low strength	0.00	Depth to cemented pan	0.94
		Droughty	0.29	Depth to bedrock	0.04		

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
HnD:							
Hindes	80	Poor		Fair		Poor	
		Carbonate content	0.00	Cobble content	0.23	Rock fragments	0.00
		Organic matter content low	0.50			Carbonate content	0.00
		Droughty	0.95			Hard to reclaim (rock fragments)	0.50
ImA:							
Imogene	75	Poor		Fair		Poor	
		Sodium content	0.00	Shrink-swell	0.87	Sodium content	0.00
		Salinity	0.88			Salinity	0.00
		Organic matter content low	0.88				
LaB:							
Lacoste	70	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Depth to cemented pan	0.00	Depth to bedrock	0.79
		Organic matter content low	0.60			Rock fragments	0.88
LpB:							
Laparita	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Salinity	0.50	Shrink-swell	0.12	Salinity	0.00
		Sodium content	0.78	Depth to bedrock	0.95	Sodium content	0.78
LtA:							
Lattas	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
				Shrink-swell	0.12		
LtB:							
Lattas	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
				Shrink-swell	0.12		
MaD:							
Mata	75	Poor		Fair		Poor	
		Organic matter content low	0.00	Depth to bedrock	0.12	Rock fragments	0.00
		Droughty	0.49			Carbonate content	0.80
		Carbonate content	0.80			Sodium content	0.90
MoA:							
Monteola	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Organic matter content low	0.88	Shrink-swell	0.00		
		Water erosion	0.99				
MoB:							
Monteola	75	Poor		Poor		Poor	
		Too clayey	0.00	Shrink-swell	0.00	Too clayey	0.00
		Water erosion	0.99	Low strength	0.00		

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
NuC:							
Nusil	75	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Organic matter content low	0.88				
OdA:							
Odem	70	Good		Good		Good	
OmD:							
Olmos	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Carbonate content	0.00
		Carbonate content	0.00	Depth to cemented pan	0.00	Rock fragments	0.00
		Depth to cemented pan	0.00			Depth to cemented pan	0.00
PaB:							
Papalote	80	Poor		Poor		Fair	
		Wind erosion	0.00	Low strength	0.00	Too clayey	0.33
		Organic matter content low	0.18	Shrink-swell	0.89		
		Too clayey	0.50				
PbA:							
Papalote	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.87		
PbB:							
Papalote	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.89		
PcB:							
Parrita	75	Poor		Poor		Poor	
		Carbonate content	0.00	Depth to bedrock	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Depth to cemented pan	0.00	Too clayey	0.00
		Droughty	0.00	Low strength	0.00	Depth to bedrock	0.35
PkB:							
Pavelek	70	Poor		Poor		Poor	
		Carbonate content	0.00	Depth to bedrock	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Depth to cemented pan	0.00	Too clayey	0.00
		Droughty	0.00	Low strength	0.00	Depth to bedrock	0.10
PkC2:							
Pavelek, severely eroded	70	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Carbonate content	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Low strength	0.00	Too clayey	0.00

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
PmC:							
Pernitas	70	Fair		Poor		Fair	
		Carbonate content	0.68	Low strength	0.00	Too clayey	0.69
		Too clayey	0.88	Shrink-swell	0.87		
		Organic matter content low	0.88				
PnB:							
Pernitas	70	Fair		Poor		Fair	
		Organic matter content low	0.60	Low strength	0.00	Too clayey	0.69
		Carbonate content	0.68	Shrink-swell	0.87		
		Too clayey	0.88				
PtC:							
Pettus	75	Poor		Good		Poor	
		Carbonate content	0.00			Carbonate content	0.00
		Organic matter content low	0.60			Rock fragments	0.00
		Droughty	0.67			Hard to reclaim (rock fragments)	0.18
PvC:							
Picosa	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.72
Px:							
Pits	90	Not rated		Not rated		Not rated	
RhC:							
Rhymes	75	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Organic matter content low	0.60				
RoA:							
Rosenbrock	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Carbonate content	0.32	Shrink-swell	0.32		
RoB:							
Rosenbrock	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Carbonate content	0.32	Shrink-swell	0.16		
RrA:							
Rosenbrock	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Carbonate content	0.32	Shrink-swell	0.12		
SaD:							
Sancajo	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Carbonate content	0.00
		Carbonate content	0.00	Depth to cemented pan	0.00	Rock fragments	0.00
		Depth to cemented pan	0.00			Depth to bedrock	0.00

Table 19.--Source of Reclamation Material, Roadfill, and Topsoil--Continued

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material: Rating class and limiting features	Value	Potential source of roadfill: Rating class and limiting features	Value	Potential source of topsoil: Rating class and limiting features	Value
SeD:							
Sarnosa	80	Fair		Good		Fair	
		Carbonate content	0.68			Carbonate content	0.68
ShC:							
Schattel	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too clayey	0.00
		Organic matter content low	0.18	Shrink-swell	0.12	Carbonate content	0.54
		Carbonate content	0.54	Depth to bedrock	0.74	Salinity	0.88
StA:							
Sinton	80	Fair		Good		Good	
		Carbonate content	0.97				
SxA:							
Sinton	80	Fair		Good		Good	
		Carbonate content	0.97				
TcA:							
Tiocano	90	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Too clayey	0.00
				Shrink-swell	0.00	Depth to saturated zone	0.00
				Low strength	0.00		
UsC:							
Ustarents	70	Fair		Not rated		Good	
		Organic matter content low	0.18				
W:							
Water	100	Not rated		Not rated		Not rated	
WaB:							
Weesatche	70	Poor		Fair		Good	
		Carbonate content	0.00	Shrink-swell	0.87		
WaC:							
Weesatche	70	Poor		Fair		Good	
		Carbonate content	0.00	Shrink-swell	0.89		
		Organic matter content low	0.75				
WeB:							
Weesatche	70	Poor		Fair		Good	
		Carbonate content	0.00	Shrink-swell	0.87		
		Organic matter content low	0.75				

Table 20.--Ponds and Embankments

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Pond reservoir areas: Rating class and limiting features	Value	Embankments, dikes, and levees: Rating class and limiting features	Value	Aquifer-fed excavated ponds: Rating class and limiting features	Value
AnC:							
Annarose	70	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
		Depth to bedrock	0.01				
BcA:							
Buchel	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
BfA:							
Buchel	90	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
CaB:							
Campbellton	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Salinity	0.12	Depth to water	1.00
		Depth to bedrock	0.01				
CaC:							
Campbellton	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Salinity	0.12	Depth to water	1.00
		Depth to bedrock	0.01				
CeB:							
Choke	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Salinity	0.12	Depth to water	1.00
				Piping	0.02		
CeC:							
Choke	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Salinity	0.12	Depth to water	1.00
		Depth to bedrock	0.01	Piping	0.02		
CkA:							
Clareville	70	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
CkB:							
Clareville	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Hard to pack	0.38	Depth to water	1.00
CnA:							
Condido	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70	Hard to pack	0.99		
		Depth to bedrock	0.17				
CoB:							
Conquista	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.03	Piping	0.72	Depth to water	1.00
CoG:							
Conquista	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.50	Piping	0.38	Depth to water	1.00
		Seepage	0.03				

Table 20.--Ponds and Embankments--Continued

Map symbol and soil name	Pct. of map unit	Pond reservoir areas: Rating class and limiting features	Value	Embankments, dikes, and levees: Rating class and limiting features	Value	Aquifer-fed excavated ponds: Rating class and limiting features	Value
CtB:							
Cotulla	70	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
				Salinity	0.12		
CyA:							
Coy	80	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
CyB:							
Coy	75	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
DAM:							
Dam	100	Not rated		Not rated		Not rated	
DnA:							
Danjer	75	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.89	Depth to water	1.00
DnB:							
Danjer	70	Not limited		Somewhat limited		Very limited	
				Hard to pack	0.93	Depth to water	1.00
EcB:							
Ecleto	85	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.53	Thin layer	1.00	Depth to water	1.00
		Seepage	0.53	Hard to pack	0.77		
EsA:							
Eloso	70	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
		Depth to bedrock	0.02				
EsB:							
Eloso	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.01	Depth to water	1.00
		Depth to bedrock	0.11				
EvA:							
Esseville	80	Very limited		Very limited		Very limited	
		Gypsum content	1.00	Hard to pack	1.00	Depth to water	1.00
		Depth to bedrock	0.02	Salinity	0.12		
EvB:							
Esseville	80	Very limited		Very limited		Very limited	
		Gypsum content	1.00	Hard to pack	1.00	Depth to water	1.00
		Depth to bedrock	0.03	Salinity	0.12		
EvC:							
Esseville	70	Very limited		Very limited		Very limited	
		Gypsum content	1.00	Hard to pack	1.00	Depth to water	1.00
		Depth to bedrock	0.19	Salinity	0.12		
ExC:							
Esseville	75	Very limited		Very limited		Very limited	
		Gypsum content	1.00	Hard to pack	1.00	Depth to water	1.00
		Depth to bedrock	0.02	Salinity	0.50		

Table 20.--Ponds and Embankments--Continued

Map symbol and soil name	Pct. of map unit	Pond reservoir areas: Rating class and limiting features	Value	Embankments, dikes, and levees: Rating class and limiting features	Value	Aquifer-fed excavated ponds: Rating class and limiting features	Value
FaC:							
Fashing	75	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.74	Thin layer	1.00	Depth to water	1.00
		Seepage	0.02	Hard to pack	0.88		
GoB:							
Goliad	70	Somewhat limited		Somewhat limited		Very limited	
		Depth to cemented pan	0.66	Thin layer	0.66	Depth to water	1.00
		Seepage	0.53				
		Depth to bedrock	0.01				
HnD:							
Hindes	80	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Large stones content	0.16	Depth to water	1.00
ImA:							
Imogene	75	Not limited		Very limited		Very limited	
				Piping	1.00	Depth to water	1.00
				Salinity	0.12		
LaB:							
Lacoste	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Depth to bedrock	0.06				
		Seepage	0.02				
LpB:							
Laparita	75	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.03	Piping	0.90	Depth to water	1.00
		Depth to bedrock	0.01	Salinity	0.50		
				Thin layer	0.01		
LtA:							
Lattas	85	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
LtB:							
Lattas	75	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
MaD:							
Mata	75	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Salinity	0.12	Depth to water	1.00
		Depth to bedrock	0.01	Piping	0.10		
MoA:							
Monteola	80	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
MoB:							
Monteola	75	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
NuC:							
Nusil	75	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.14	Depth to water	1.00

Table 20.--Ponds and Embankments--Continued

Map symbol and soil name	Pct. of map unit	Pond reservoir areas: Rating class and limiting features	Value	Embankments, dikes, and levees: Rating class and limiting features	Value	Aquifer-fed excavated ponds: Rating class and limiting features	Value
OdA:							
Odem	70	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.01	Depth to water	1.00
OmD:							
Olmos	80	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70	Piping	0.40		
		Depth to bedrock	0.11	Seepage	0.19		
PaB:							
Papalote	80	Not limited		Not limited		Very limited	
						Depth to water	1.00
PbA:							
Papalote	70	Not limited		Not limited		Very limited	
						Depth to water	1.00
PbB:							
Papalote	70	Not limited		Not limited		Very limited	
						Depth to water	1.00
PcB:							
Parrita	75	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70				
		Depth to bedrock	0.17				
PkB:							
Pavelek	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70	Hard to pack	0.94		
		Depth to bedrock	0.30				
PkC2:							
Pavelek, severely eroded	70	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70	Hard to pack	0.91		
		Depth to bedrock	0.69				
PmC:							
Pernitas	70	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
PnB:							
Pernitas	70	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
PtC:							
Pettus	75	Very limited		Not limited		Very limited	
		Seepage	1.00			Depth to water	1.00
PvC:							
Picosa	75	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.80	Thin layer	1.00	Depth to water	1.00
		Seepage	0.53	Salinity	1.00		
				Piping	1.00		

Table 20.--Ponds and Embankments--Continued

Map symbol and soil name	Pct. of map unit	Pond reservoir areas: Rating class and limiting features	Value	Embankments, dikes, and levees: Rating class and limiting features	Value	Aquifer-fed excavated ponds: Rating class and limiting features	Value
Px:							
Pits	90	Somewhat limited		Not rated		Not rated	
		Seepage	0.70				
RhC:							
Rhymes	75	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.12	Depth to water	1.00
RoA:							
Rosenbrock	75	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Hard to pack	1.00	Depth to water	1.00
RoB:							
Rosenbrock	70	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Hard to pack	1.00	Depth to water	1.00
RrA:							
Rosenbrock	80	Not limited		Very limited		Very limited	
				Hard to pack	1.00	Depth to water	1.00
SaD:							
Sancajo	80	Very limited		Very limited		Very limited	
		Depth to cemented pan	1.00	Thin layer	1.00	Depth to water	1.00
		Seepage	0.70	Large stones content	0.99		
		Depth to bedrock	0.53				
SeD:							
Sarnosa	80	Very limited		Not limited		Very limited	
		Seepage	1.00			Depth to water	1.00
ShC:							
Schattel	70	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Hard to pack	1.00	Depth to water	1.00
		Depth to bedrock	0.01	Salinity	0.12		
StA:							
Sinton	80	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.01	Depth to water	1.00
SxA:							
Sinton	80	Very limited		Not limited		Very limited	
		Seepage	1.00			Depth to water	1.00
TcA:							
Tiocano	90	Not limited		Very limited		Very limited	
				Ponding	1.00	Slow refill	1.00
				Depth to saturated zone	1.00	Cutbanks cave	0.10
				Hard to pack	1.00		
UsC:							
Ustarents	70	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.03	Depth to water	1.00
W:							
Water	100	Not rated		Not rated		Not rated	

Table 20.--Ponds and Embankments--Continued

Map symbol and soil name	Pct. of map unit	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WaB:							
Weesatche	70	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Depth to water	1.00
WaC:							
Weesatche	70	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.11	Very limited Depth to water	1.00
WeB:							
Weesatche	70	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.08	Very limited Depth to water	1.00

Table 21.--Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains		Constructing terraces and diversions	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AnC:					
Annarose	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
BcA:					
Buchel	85	Not limited		Somewhat limited	
				K factor	0.88
BfA:					
Buchel	90	Not limited		Somewhat limited	
				K factor	0.88
CaB:					
Campbellton	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
CaC:					
Campbellton	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
CeB:					
Choke	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
CeC:					
Choke	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
CkA:					
Clareville	70	Not limited		Somewhat limited	
				K factor	0.88
CkB:					
Clareville	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
CnA:					
Condido	70	Very limited		Very limited	
		Thin cemented pan	1.00	K factor	1.00
		Depth to soft bedrock	0.65	Thin cemented pan	1.00
				Depth to soft bedrock	0.65
CoB:					
Conquista	85	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains: Rating class and limiting features	Value	Constructing terraces and diversions: Rating class and limiting features	Value
CoG:					
Conquista	85	Very limited		Very limited	
		Slope	1.00	Slope	1.00
				K factor	0.88
CtB:					
Cotulla	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
CyA:					
Coy	80	Not limited		Somewhat limited	
				K factor	0.88
CyB:					
Coy	75	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
DAM:					
Dam	100	Not rated		Not rated	
DnA:					
Danjer	75	Not limited		Somewhat limited	
				K factor	0.88
DnB:					
Danjer	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
EcB:					
Ecleto	85	Very limited		Very limited	
		Depth to soft bedrock	1.00	K factor	1.00
		Slope	0.04	Depth to soft bedrock	1.00
				Slope	0.04
EsA:					
Eloso	70	Somewhat limited		Somewhat limited	
		Depth to soft bedrock	0.03	K factor	0.50
				Depth to soft bedrock	0.03
EsB:					
Eloso	70	Somewhat limited		Somewhat limited	
		Depth to soft bedrock	0.46	K factor	0.50
		Slope	0.04	Depth to soft bedrock	0.46
				Slope	0.04
EvA:					
Esseville	80	Somewhat limited		Somewhat limited	
		Depth to soft bedrock	0.03	K factor	0.88
				Depth to soft bedrock	0.03

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains: Rating class and limiting features	Value	Constructing terraces and diversions: Rating class and limiting features	Value
EvB:					
Esseville	80	Somewhat limited		Somewhat limited	
		Depth to soft bedrock	0.06	K factor	0.88
		Slope	0.04	Depth to soft bedrock	0.06
				Slope	0.04
EvC:					
Esseville	70	Somewhat limited		Somewhat limited	
		Depth to soft bedrock	0.71	K factor	0.88
		Slope	0.37	Depth to soft bedrock	0.71
				Slope	0.37
ExC:					
Esseville	75	Somewhat limited		Somewhat limited	
		Slope	0.16	K factor	0.88
		Depth to soft bedrock	0.03	Slope	0.16
				Depth to soft bedrock	0.03
FaC:					
Fashing	75	Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.37	K factor	0.88
				Slope	0.37
GoB:					
Goliad	70	Somewhat limited		Somewhat limited	
		Thin cemented pan	0.06	K factor	0.88
		Slope	0.04	Thin cemented pan	0.06
				Slope	0.04
HnD:					
Hindes	80	Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00
		Slope	0.84	Slope	0.84
ImA:					
Imogene	75	Not limited		Very limited	
				K factor	1.00
LaB:					
Lacoste	70	Very limited		Very limited	
		Thin cemented pan	1.00	Thin cemented pan	1.00
		Depth to soft bedrock	0.20	K factor	0.88
		Slope	0.04	Depth to soft bedrock	0.20
				Slope	0.04

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains: Rating class and limiting features	Value	Constructing terraces and diversions: Rating class and limiting features	Value
LpB:					
Laparita	75	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
LtA:					
Lattas	85	Not limited		Somewhat limited	
				K factor	0.88
LtB:					
Lattas	75	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
MaD:					
Mata	75	Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37
MoA:					
Monteola	80	Not limited		Very limited	
				K factor	1.00
MoB:					
Monteola	75	Somewhat limited		Very limited	
		Slope	0.04	K factor	1.00
				Slope	0.04
NuC:					
Nusil	75	Somewhat limited		Very limited	
		Slope	0.16	Too Sandy	1.00
				Slope	0.16
OdA:					
Odem	70	Not limited		Somewhat limited	
				K factor	0.12
OmD:					
Olmos	80	Very limited		Very limited	
		Thin cemented pan	1.00	Thin cemented pan	1.00
		Content of large stones	1.00	Content of large stones	1.00
		Slope	0.63	Slope	0.63
		Depth to soft bedrock	0.46	Depth to soft bedrock	0.46
PaB:					
Papalote	80	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
PbA:					
Papalote	70	Not limited		Somewhat limited	
				K factor	0.88
PbB:					
Papalote	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains: Rating class and limiting features	Value	Constructing terraces and diversions: Rating class and limiting features	Value
PcB:					
Parrita	75	Very limited		Very limited	
		Thin cemented pan	1.00	Thin cemented pan	1.00
		Depth to soft bedrock	0.65	Depth to soft bedrock	0.65
		Slope	0.04	K factor	0.50
				Slope	0.04
PkB:					
Pavelek	70	Very limited		Very limited	
		Thin cemented pan	1.00	K factor	1.00
		Depth to soft bedrock	0.90	Thin cemented pan	1.00
		Slope	0.04	Depth to soft bedrock	0.90
				Slope	0.04
PkC2:					
Pavelek, severely eroded	70	Very limited		Very limited	
		Depth to soft bedrock	1.00	K factor	1.00
		Thin cemented pan	1.00	Depth to soft bedrock	1.00
		Slope	0.37	Thin cemented pan	1.00
				Slope	0.37
PmC:					
Pernitas	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
PnB:					
Pernitas	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
PtC:					
Pettus	75	Somewhat limited		Somewhat limited	
		Content of large stones	0.38	Content of large stones	0.38
		Slope	0.37	Slope	0.37
				K factor	0.12
PvC:					
Picosa	75	Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Content of large stones	1.00	Content of large stones	1.00
		Slope	0.16	K factor	0.50
				Slope	0.16
Px:					
Pits	90	Not rated		Not rated	

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains: Rating class and limiting features	Value	Constructing terraces and diversions: Rating class and limiting features	Value
RhC:					
Rhymes	75	Somewhat limited		Very limited	
		Slope	0.16	Too Sandy	1.00
				Slope	0.16
RoA:					
Rosenbrock	75	Not limited		Somewhat limited	
				K factor	0.12
RoB:					
Rosenbrock	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.12
				Slope	0.04
RrA:					
Rosenbrock	80	Not limited		Somewhat limited	
				K factor	0.12
SaD:					
Sancajo	80	Very limited		Very limited	
		Content of large stones	1.00	K factor	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Thin cemented pan	1.00	Thin cemented pan	1.00
		Slope	0.63	Content of large stones	1.00
				Slope	0.63
SeD:					
Sarnosa	80	Somewhat limited		Somewhat limited	
		Slope	0.84	Slope	0.84
				K factor	0.12
ShC:					
Schattel	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
StA:					
Sinton	80	Not limited		Somewhat limited	
				K factor	0.50
SxA:					
Sinton	80	Not limited		Somewhat limited	
				K factor	0.50
TcA:					
Tiocano	90	Not limited		Very limited	
				Ponding	1.00
				Depth to saturated zone	1.00
				K factor	0.88

Table 21.--Water Management--Continued

Map symbol and soil name	Pct. of map unit	Constructing grassed waterways and surface drains		Constructing terraces and diversions	
		Rating class and limiting features	Value	Rating class and limiting features	Value
UsC:					
Ustarents	70	Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37
				K factor	0.12
W:					
Water	100	Not rated		Not rated	
WaB:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04
WaC:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slope	0.37	K factor	0.88
				Slope	0.37
		Rating class and limiting features	Value	Rating class and limiting features	Value
WeB:					
Weesatche	70	Somewhat limited		Somewhat limited	
		Slope	0.04	K factor	0.88
				Slope	0.04

Table 22.--Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
AnC:												
Annarose--------	0-9	Fine sandy loam	SC, SC-SM	A-4, A-6	0	0	95-100	90-100	90-100	40-65	25-32	7-13
	9-25	Sandy clay loam, fine sandy loam, loam	SC, SC-SM	A-4, A-6	0	0	95-100	90-100	90-100	45-60	25-35	7-15
	25-50	Fine sandy loam, loam, sandy clay loam	CL, SC, SM	A-4, A-6	0	0	95-100	90-100	80-100	45-60	30-40	9-18
	50-80	Fine sandy loam, loamy fine sand	SC, SC-SM, SM	A-2-4, A-4, A-6	0	0	95-100	90-100	65-80	25-50	21-30	NP-11
BcA:												
Buchel----------	0-8	Clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
	8-42	Clay, silty clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
	42-74	Clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
	74-80	Clay, silty clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
BfA:												
Buchel----------	0-14	Clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
	14-80	Clay, silty clay	CH	A-7-6	0	0	95-100	95-100	90-100	75-95	55-75	32-48
CaB:												
Campbellton-----	0-7	Clay loam	CL	A-6	0	0	98-100	95-100	80-95	60-80	30-40	11-20
	7-34	Clay	CH	A-7-6	0	0	98-100	95-100	85-98	70-90	41-55	20-30
	34-43	Clay, clay loam	CH, CL	A-7-6	0	0	98-100	95-100	85-98	70-90	41-55	20-30
	43-80	Clay, clay loam, loam	CL	A-6, A-7-6	0	0	98-100	95-100	80-95	60-80	30-45	11-22
CaC:												
Campbellton-----	0-9	Clay loam	CL	A-6	0	0	98-100	95-100	80-95	60-80	30-40	11-20
	9-22	Clay	CH	A-7-6	0	0	100	100	87-100	69-82	45-59	25-35
	22-58	Clay, clay loam	CH, CL	A-7-6	0	0	98-100	95-100	85-98	70-90	41-55	20-30
	58-80	Clay, clay loam, loam	CL	A-6, A-7-6	0	0	98-100	95-100	80-95	60-80	30-45	11-22

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CeB:												
Choke----------	0-10	Silty clay loam	CH, CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-95	38-56	19-33
	10-24	Silty clay loam, loam, silt loam	CH, CL	A-7-6, A-6	0	0-1	98-100	95-100	85-100	60-90	38-56	19-33
	24-34	Silty clay loam	CH, CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-90	38-56	19-33
	34-48	Silt loam, loam, silty clay loam	CH, CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-90	38-56	15-33
	48-73	Loam	CL	A-6	0	0-1	98-100	95-100	85-100	60-90	30-49	15-28
	73-80	Silt loam, loam	CL	A-6, A-7-6	0	0-1	95-100	90-100	85-100	60-90	30-49	15-28
CeC:												
Choke----------	0-11	Silty clay loam	CH, CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-95	38-56	19-33
	11-61	Silty clay loam, loam, silt loam	CH, CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-90	38-56	19-33
	61-80	Silt loam, loam	CL	A-6, A-7-6	0	0-1	98-100	95-100	85-100	60-90	30-49	15-28
CkA:												
Clareville------	0-12	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	98-100	95-100	90-100	45-70	32-48	15-27
	12-21	Sandy clay, clay loam, clay	CH, CL	A-6, A-7-6	0	0	98-100	95-100	90-100	51-80	46-60	25-37
	21-59	Sandy clay loam, clay loam, clay	CH, CL	A-6, A-7-6	0	0	98-100	95-100	90-100	51-80	36-52	17-30
	59-80	Sandy clay loam, clay loam, loam	CH, CL	A-6, A-7-6	0	0	95-100	85-100	85-100	51-75	36-52	17-30
CkB:												
Clareville------	0-11	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	98-100	95-100	90-100	45-70	32-48	15-27
	11-45	Clay loam, clay, sandy clay	CH, CL	A-7-6	0	0	98-100	95-100	90-100	51-80	46-60	25-37
	45-70	Sandy clay loam, clay loam, clay	CH, CL	A-6	0	0	98-100	95-100	90-100	51-80	36-52	17-30
	70-80	Sandy clay loam, clay loam, loam	CH, CL	A-6, A-7-6	0	0	95-100	85-100	85-100	51-75	36-52	17-30

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
CnA:												
Condido---------	0-13	Clay	CH	A-7-6	0	0	100	100	95-100	80-90	56-71	33-45
	13-16	Gravelly clay	CH	A-7-6	0-10	0-30	95-100	95-100	90-97	75-85	56-71	33-45
	16-28	Cemented material			---	---	---	---	---	---	---	---
	28-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0-10	0-30	100	98-100	85-95	70-80	20-30	5-12
CoB:												
Conquista-------	0-13	Clay	CH	A-7-6	0	0	95-100	95-100	85-100	65-85	56-71	33-45
	13-80	Stratified fine sandy loam to gravelly loam to gravelly sandy clay loam	CL, CL-ML, GC, SC-SM	A-2-4, A-4, A-6	0	0-2	70-95	50-90	40-80	30-70	21-32	6-12
CoG:												
Conquista-------	0-18	Clay	CH	A-7-6	0	0	95-100	95-100	85-100	65-85	56-71	33-45
	18-80	Stratified fine sandy loam to gravelly loam to gravelly sandy clay loam	CL, CL-ML, GC, SC-SM	A-2-4, A-4, A-6	0	0-2	70-95	50-90	40-80	30-70	21-32	6-12
CtB:												
Cotulla---------	0-7	Clay loam	CH	A-7-6	0	0	80-100	75-100	75-100	75-100	51-70	29-46
	7-12	Clay	CH	A-7-6	0	0	80-100	75-100	75-100	75-100	51-70	29-46
	12-18	Clay	CH	A-7-6	0	0	80-100	75-100	75-100	75-100	51-70	29-46
	18-34	Clay	CH	A-7-6	0	0	80-100	75-100	75-100	75-100	51-70	29-46
	34-52	Clay	CH	A-7-6	0	0	80-100	75-100	75-100	75-100	51-70	20-46
	52-80	Clay, clay loam	CH	A-7-6	0	0	80-100	75-100	75-100	70-100	51-70	29-46
CyA:												
Coy----------	0-11	Clay loam	CH, CL	A-6, A-7-6	0	0	98-100	97-100	95-100	70-85	35-55	18-30
	11-50	Clay, clay loam, sandy clay	CH, CL	A-7-6	0	0	98-100	97-100	95-100	70-90	42-62	27-42
	50-62	Clay	CH	A-7-6	0	0	98-100	97-100	95-100	70-90	42-62	27-42
	62-80	Clay, silty clay	CH, CL	A-7-6	0	0	98-100	97-100	95-100	70-90	40-60	25-40

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CyB:												
Coy----------	0-6	Clay loam	CH, CL	A-6, A-7-6	0	0	98-100	97-100	95-100	70-85	35-55	18-30
	6-11	Clay	CH	A-7-6	0	0	98-100	97-100	95-100	70-90	42-62	27-42
	11-37	Clay, clay loam, sandy clay	CH, CL	A-7-6	0	0	98-100	97-100	95-100	70-90	42-62	27-42
	37-61	Clay	CH	A-7-6	0	0	98-100	97-100	95-100	70-90	42-62	27-42
	61-80	Clay, silty clay	CH, CL	A-7-6	0	0	98-100	97-100	95-100	70-90	40-60	25-40
DAM:												
Dams----------	---	---	---	---	---	---	---	---	---	---	---	---
DnA:												
Danjer----------	0-10	Clay loam	CH, CL	A-7-6	0	0	90-100	90-100	90-100	60-90	45-62	25-41
	10-52	Clay, clay loam	CH	A-7-6	0	0	95-100	95-100	90-100	70-95	52-70	30-45
	52-80	Clay loam, clay	CL, CH	A-7-6	0	0	90-100	90-100	90-100	60-90	45-62	25-41
DnB:												
Danjer----------	0-15	Clay	CH, CL	A-7-6	0	0	90-100	90-100	90-100	60-90	45-62	25-41
	15-27	Clay, clay loam	CH	A-7-6	0	0	95-100	95-100	90-100	70-95	52-70	30-45
	27-45	Clay	CH	A-7-6	0	0	95-100	95-100	90-100	70-95	52-70	30-45
	45-71	Clay	CH	A-7-6	0	0	95-100	95-100	90-100	70-95	52-70	30-45
	71-80	Clay loam, clay	CL, CH	A-7-6	0	0	90-100	90-100	90-100	60-90	45-62	25-41
EcB:												
Ecleto----------	0-5	Sandy clay loam	CH, CL, SC	A-6, A-7-6	0	0	100	85-100	85-100	35-55	34-55	15-32
	5-18	Clay, sandy clay, clay loam	CH, CL	A-7-6	0	0	100	75-100	75-100	55-65	52-69	30-43
	18-80	Bedrock			---	---	---	---	---	---	---	---
EsA:												
Eloso----------	0-14	Clay	CH	A-7-6	0	0	100	100	95-100	75-85	56-66	33-41
	14-33	Clay	CH	A-7-6	0	0	100	95-100	95-100	75-95	56-66	33-41
	33-37	Silty clay loam, clay loam	CL	A-7-6, A-6	0	0	100	95-100	90-99	70-80	38-56	19-33
	37-80	Silt loam, loam	CL	A-6	0	0	100	95-100	85-95	70-80	20-30	5-12
EsB:												
Eloso----------	0-18	Clay	CH	A-7-6	0	0	100	100	95-100	75-85	56-66	33-41
	18-30	Clay	CH	A-7-6	0	0	100	95-100	95-100	75-95	56-66	33-41
	30-80	Silt loam, loam	CL	A-4, A-6	0	0	100	98-100	85-95	70-80	20-30	5-12

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
EvA:												
Esseville--------	0-13	Clay	CH	A-7-6	0	0-3	98-100	95-100	80-100	75-90	51-75	30-50
	13-37	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	37-55	Gypsiferous clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	55-80	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
EvB:												
Esseville--------	0-5	Clay	CH	A-7-6	0	0-3	98-100	95-100	80-100	75-90	51-75	30-50
	5-18	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	18-36	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	36-80	Gypsiferous clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
EvC:												
Esseville--------	0-6	Clay	CH	A-7-6	0	0-3	98-100	95-100	80-100	75-90	51-75	30-50
	6-27	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	27-44	Gypsiferous clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
	44-80	Gypsiferous clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-98	56-80	33-54
ExC:												
Esseville--------	0-8	Gravelly clay	CH	A-7-6	0-1	0-10	55-80	55-80	55-80	50-75	50-80	32-55
	8-17	Clay	CH	A-7-6	0	0	95-100	90-100	80-100	75-95	50-80	32-55
	17-37	Clay	CH	A-7-6	0	0	95-100	90-100	80-100	75-95	50-80	32-55
	37-80	Gypsiferous clay	CH	A-7-6	0	0	95-100	90-100	80-100	70-95	50-80	32-55
FaC:												
Fashing----------	0-13	Clay loam	CH	A-7-6	0	0	98-100	96-100	95-100	80-100	50-66	29-41
	13-80	Stratified clay	CH	A-7-6	0	0	98-100	96-100	95-100	80-100	50-66	29-41
GoB:												
Goliad----------	0-10	Fine sandy loam	SC, SC-SM, SM	A-4	0	0	100	100	70-100	36-50	16-30	NP-10
	10-15	Sandy clay loam, sandy clay, clay loam	CL, SC	A-7-6	0	0	95-100	90-100	85-100	45-70	41-48	20-26
	15-36	Sandy clay, clay, clay loam	CH, CL	A-7-6	0	0	95-100	85-100	80-100	51-80	45-57	22-32
	36-80	Cemented material			---	---	---	---	---	---	---	---

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
HnD:												
Hindes----------	0-10	Very gravelly sandy clay loam	GC, SC	A-2-6, A-4, A-6	0	0-20	35-95	35-50	35-50	30-50	23-40	8-20
	10-19	Extremely gravelly clay, very gravelly clay loam, very gravelly clay	GC, SC	A-2-7, A-7-6	0-10	15-90	20-70	20-50	20-45	15-45	41-52	16-26
	19-22	Very gravelly clay	GC	A-2-7, A-7-6	0-10	15-60	20-70	20-50	20-45	15-45	41-52	16-26
	22-27	Gravelly clay loam, clay loam, loam	CL, GC, SC	A-2-4, A-4, A-6	0-10	15-60	50-95	50-90	35-75	30-75	23-43	8-20
	27-80	Gravelly clay loam	GC, CL	A-2-4, A-6	0-10	10-20	50-95	50-90	35-75	30-75	23-43	8-20
ImA:												
Imogene---------	0-8	Fine sandy loam	CL, CL-ML, SC, SC-SM	A-6, A-4	0	0	100	95-100	70-95	40-70	0-30	NP-15
	8-15	Sandy clay loam, clay loam, sandy clay	CL, SC	A-6, A-7-6	0	0	100	95-100	80-100	45-75	26-48	11-24
	15-36	Sandy clay loam, clay loam	CL, SC	A-6, A-7-6	0	0	95-100	90-100	75-95	40-70	26-43	11-25
	36-80	Sandy clay loam, loam, clay loam	CL, SC	A-6	0	0	90-100	85-100	75-95	40-70	26-37	11-21
LaB:												
Lacoste---------	0-4	Fine sandy loam	SC-SM, SM, CL-ML	A-2-4, A-4	0	0-5	80-100	80-100	65-85	30-45	16-25	NP-7
	4-13	Sandy clay loam, fine sandy loam, gravelly sandy clay loam	CL, SC	A-2-4, A-2-6, A-4, A-6	0	0-5	75-100	70-100	65-90	30-55	25-35	15-25
	13-80	Cemented material			---	---	---	---	---	---	---	---

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
LpB:												
Laparita--------	0-6	Sandy clay loam	CL	A-4, A-6	0	0	98-100	95-100	80-95	50-80	25-40	8-20
	6-42	Clay, clay loam, sandy clay	CH, CL	A-7-6	0	0	98-100	95-100	85-95	60-90	41-55	20-30
	42-61	Sandy clay loam, clay loam, clay	CH, CL, SC	A-6, A-7-6	0	0	98-100	95-100	80-95	55-80	35-55	18-28
	61-80	Sandy clay loam, clay loam	CL-ML, CL	A-4, A-6	0	0	98-100	95-100	85-95	70-80	20-30	5-12
LtA:												
Lattas----------	0-14	Clay	CH, CL, SC	A-7-6	0	0	100	95-100	85-100	45-85	41-65	25-46
	14-45	Clay, silty clay, clay loam	CH	A-7-6	0	0	100	90-100	85-100	64-90	51-72	33-51
	45-80	Clay, silty clay, clay loam	CH	A-7-6	0	0	100	90-100	85-100	64-90	51-72	33-51
LtB:												
Lattas----------	0-22	Clay	CH, CL, SC	A-7-6	0	0	100	95-100	85-100	45-85	41-65	25-46
	22-55	Clay, silty clay, clay loam	CH	A-7-6	0	0	100	90-100	85-100	64-90	51-72	33-51
	55-80	Clay, silty clay, clay loam	CH	A-7-6	0	0	100	90-100	85-100	64-90	51-72	33-51
MaD:												
Mata----------	0-5	Gravelly clay loam	CL, GC, SC	A-2-4, A-2-6, A-4, A-6	0	0-5	60-95	55-85	45-75	25-55	20-30	7-15
	5-31	Very gravelly clay loam, extremely gravelly clay loam, very gravelly sandy clay loam	GC, GP-GC, SC, SP-SC	A-2-6, A-6	0	0-10	25-75	15-65	15-60	10-45	30-40	11-20
	31-44	Gravelly clay loam	CL, SC	A-6	0	0-10	50-95	35-80	30-70	26-56	30-40	11-20
	44-80	Bedrock			---	---	---	---	---	---	---	---

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MoA:												
Monteola--------	0-6	Clay	CH	A-7-6	0	0-3	98-100	95-100	80-100	75-90	51-75	30-50
	6-24	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
	24-54	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
	54-80	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
MoB:												
Monteola--------	0-17	Clay	CH	A-7-6	0	0-3	98-100	95-100	80-100	75-90	51-75	30-50
	17-54	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
	54-70	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
	70-80	Clay	CH	A-7-6	0	0-3	90-100	80-100	75-100	75-96	56-80	33-54
NuC:												
Nusil----------	0-29	Fine sand	SM	A-2-4	0	0	100	100	50-80	15-35	0-14	NP-3
	29-37	Fine sand, loamy fine sand	SM	A-2-4	0	0	100	100	50-80	15-35	16-22	NP-3
	37-54	Sandy clay loam, fine sandy loam	CL, SC	A-4, A-2-6, A-6	0	0	100	100	80-90	35-55	25-38	8-15
	54-70	Sandy clay loam, fine sandy loam	CL, SC	A-4, A-2-6, A-6	0	0	100	100	80-90	35-55	25-38	8-15
	70-80	Sandy clay loam, fine sandy loam	CL, SC	A-2, A-4, A-6	0	0	100	100	70-90	30-55	20-35	8-15
OdA:												
Odem----------	0-24	Fine sandy loam	SC-SM, SM	A-2-4	0	0	100	100	90-100	20-30	16-25	NP-7
	24-39	Fine sandy loam, loam	SC-SM, SM	A-2-4	0	0	100	98-100	90-100	20-30	16-25	NP-7
	39-80	Fine sandy loam	SC-SM, SM	A-2-4	0	0	100	98-100	90-100	20-30	16-25	NP-7
OmD:												
Olmos----------	0-8	Very gravelly sandy loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0-10	0-30	30-75	25-55	20-55	10-50	18-30	4-18
	8-18	Extremely gravelly sandy clay loam	GC-GM, GP-GC, GC	A-2-4, A-2-6, A-4	0-10	0-30	25-75	20-55	15-55	10-50	18-43	4-18
	18-30	Cemented material			---	---	---	---	---	---	---	---
	30-80	Cemented material			---	---	---	---	---	---	---	---

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
PaB:												
Papalote--------	0-12	Loamy fine sand	SC-SM, SM	A-2-4, A-4	0	0	95-100	90-100	50-100	20-50	16-25	NP-6
	12-17	Sandy clay	SC, CH	A-7-6	0	0	95-100	90-100	90-100	55-75	41-61	21-36
	17-36	Sandy clay loam, clay, clay loam	CH, CL, SC	A-7-6	0	0	95-100	90-100	85-100	43-70	35-49	18-31
	36-60	Sandy clay loam, clay loam, sandy clay	CL, SC	A-6, A-7-6	0	0	95-100	80-100	75-96	36-70	35-49	18-31
	60-80	Sandy clay loam	SC, CL	A-6, A-7-6	0	0	95-100	80-100	75-95	36-70	35-49	18-31
PbA:												
Papalote--------	0-8	Fine sandy loam	CL-ML, SC, SC-SM, SM	A-4	0	0	95-100	95-100	90-100	40-60	16-25	NP-8
	8-25	Sandy clay, clay, clay loam	CH, CL, SC	A-7-6	0	0	95-100	90-100	85-100	43-70	41-61	21-36
	25-66	Sandy clay loam, clay loam, sandy clay	CL, SC	A-6, A-7-6	0	0	95-100	80-100	75-96	36-70	35-49	18-31
	66-80	Sandy clay loam	SC, CL	A-6, A-7-6	0	0	95-100	80-100	75-96	36-70	35-49	16-30
PbB:												
Papalote--------	0-11	Fine sandy loam	CL-ML, SC, SC-SM, SM	A-4	0	0	95-100	95-100	90-100	40-60	16-25	NP-8
	11-27	Sandy clay, clay, clay loam	CH, CL, SC	A-7-6	0	0	95-100	90-100	85-100	43-70	41-61	21-36
	27-59	Sandy clay loam, clay loam, sandy clay	CL, SC	A-6, A-7-6	0	0	95-100	80-100	75-96	36-70	35-49	18-31
	59-80	Sandy clay loam	SC, CL	A-6, A-7-6	0	0	95-100	80-100	75-96	36-70	35-49	18-31

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
PcB:												
Parrita---------	0-5	Fine sandy loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	100	100	80-100	31-55	26-35	7-15
	5-11	Sandy clay loam, sandy clay, clay	CH, CL	A-6, A-7-6	0	0	100	100	80-100	51-60	38-55	17-30
	11-19	Sandy clay, clay	CH, CL	A-7-6	0	0	100	100	80-100	52-75	41-59	22-34
	19-28	Cemented material			---	---	---	---	---	---	---	---
	28-80	Gravelly sandy clay loam, sandy clay loam, gravelly loam	SC, CL	A-2-6, A-6	0	0-2	75-98	70-95	60-85	20-40	25-35	10-18
PkB:												
Pavelek---------	0-6	Clay loam	CH	A-7-6	0	0	95-100	75-100	75-100	70-80	56-66	33-41
	6-12	Clay	CH	A-7-6	0	0	95-100	75-100	75-100	75-90	56-66	33-41
	12-16	Gravelly clay, gravelly clay loam	CH, GC, SC	A-7-6	0	0	65-75	60-70	55-65	45-55	51-66	29-41
	16-24	Cemented material			---	---	---	---	---	---	---	---
	24-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	85-95	70-80	20-30	5-12
PkC2:												
Pavelek, severely eroded	0-4	Clay loam	CH	A-7-6	0	0	95-100	75-100	75-100	70-80	56-66	33-41
	4-11	Clay, gravelly clay loam	CH, GC, SC	A-7-6	0	0	95-100	75-100	55-65	45-55	51-66	29-41
	11-14	Cemented material			---	---	---	---	---	---	---	---
	14-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	85-95	70-80	20-30	5-12

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
PmC:												
Pernitas---------	0-7	Fine sandy loam	SC, SC-SM	A-2-4, A-2-6, A-4	0	0	100	100	95-100	30-40	20-30	4-15
	7-20	Sandy clay loam, clay loam	CH, CL	A-6, A-7-6	0	0	98-100	96-100	90-98	53-75	33-57	16-33
	20-26	Sandy clay loam, sandy clay	CH, CL, SC	A-6, A-7-6	0	0	90-100	90-99	80-99	45-70	30-55	18-32
	26-35	Sandy clay	SC, CL	A-7, A-7-6	0	0	90-100	90-99	80-98	45-70	35-50	18-32
	35-58	Clay loam, sandy clay	SC, CL	A-6, A-7-6	0	0	90-100	90-99	80-98	45-70	30-50	18-32
	58-80	Loam, sandy clay loam	SC, CL	A-6	0	0	75-100	70-99	60-98	40-67	25-40	12-25
PnB:												
Pernitas---------	0-7	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	100	95-100	36-55	24-37	9-20
	7-14	Sandy clay loam, clay loam	CH, CL	A-6, A-7-6	0	0	98-100	96-100	90-98	53-75	33-57	16-33
	14-26	Sandy clay loam, clay loam	CH, CL, SC	A-6, A-7-6	0	0	90-100	90-99	80-99	45-70	30-55	18-32
	26-36	Sandy clay, clay loam	SC, CL	A-6, A-7-6	0	0	90-100	90-99	80-99	45-70	35-50	17-32
	36-59	Clay loam, sandy clay	CL, SC	A-6, A-7-6	0	0	90-100	90-99	80-99	45-70	35-50	17-27
	59-80	Loam	CL	A-6	0	0	75-100	70-99	60-98	40-67	35-50	17-27
PtC:												
Pettus----------	0-11	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	80-100	75-95	55-92	40-65	27-43	11-21
	11-54	Very gravelly loam, very gravelly sandy clay loam, cobbly sandy clay loam	CL, GC, SC	A-2-6, A-6	0-5	0-20	30-80	20-75	15-70	15-60	25-35	10-18
	54-80	Gravelly fine sandy loam, very gravelly sandy clay loam	CL, GC, SC	A-2-6, A-6	0	0-10	50-95	35-80	30-70	26-56	25-35	10-18

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
PvC:												
Picosa----------	0-6	Loam	CL	A-6	0	0-8	75-95	70-95	60-80	51-65	25-40	11-21
	6-11	Cobbly loam	GC-GM, CL	A-6	0-2	15-35	75-95	70-95	60-80	51-65	25-40	11-21
	11-80	Bedrock			---	---	---	---	---	---	---	---
Px:												
Pits----------	0-80	Variable			---	---	---	---	---	---	---	---
RhC:												
Rhymes----------	0-11	Fine sand	SM	A-2-4	0	0	100	100	50-80	15-35	16-20	NP-3
	11-71	Fine sand, loamy sand, loamy fine sand	SM	A-2-4	0	0	100	100	50-80	15-35	16-20	NP-3
	71-80	Sandy clay loam, fine sandy loam	CL, SC	A-4, A-6	0	0	100	100	80-90	35-55	25-38	8-15
RoA:												
Rosenbrock------	0-14	Clay	CH	A-7-6	0	0	100	100	95-100	80-90	56-66	33-41
	14-44	Clay, silty clay	CH	A-7-6	0	0	100	100	95-100	85-95	61-76	36-49
	44-59	Clay, clay loam	CH, CL	A-6, A-7-6	0	0	100	100	90-100	85-95	36-51	17-28
	59-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	85-95	70-80	20-30	5-12
RoB:												
Rosenbrock------	0-6	Clay	CH	A-7-6	0	0	100	100	95-100	80-90	56-66	33-41
	6-44	Clay, silty clay	CH	A-7-6	0	0	100	100	95-100	85-95	61-76	36-49
	44-56	Clay, clay loam	CH, CL	A-6, A-7-6	0	0	100	100	90-100	85-95	61-76	36-49
	56-58	Clay loam	CH, CL	A-6, A-7-6	0	0	100	99-100	90-100	85-95	36-51	17-28
	58-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	85-95	70-80	20-30	5-12
RrA:												
Rosenbrock------	0-8	Clay	CH	A-7-6	0	0	100	100	95-100	80-90	56-66	33-41
	8-42	Clay	CH	A-7-6	0	0	100	100	95-100	85-95	61-76	36-49
	42-59	Clay loam, silty clay	CH	A-7-6	0	0	100	100	95-100	85-95	61-76	36-49
	59-80	Clay loam, loam	CH, CL	A-6, A-7-6	0	0	100	100	90-100	85-95	36-51	17-28

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
SaD:												
Sancajo---------	0-6	Very gravelly loam	GC, GC-GM, SC, SC-SM	A-2-4, A-2-6, A-4	0-10	0-30	35-75	25-55	25-55	20-50	25-35	7-15
	6-11	Extremely cobbly loam	GC, GC-GM	A-2-4, A-2-6, A-4	0-10	60-90	35-75	25-55	25-55	20-50	25-35	7-15
	11-18	Cemented material			---	---	---	---	---	---	---	---
	18-38	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	98-100	70-80	20-30	5-12
	38-80	Silt loam, loam	CL, CL-ML	A-4, A-6	0	0	100	98-100	98-100	70-80	20-30	5-12
SeD:												
Sarnosa---------	0-6	Fine sandy loam	SC	A-2-6, A-2-4, A-6	0	0	95-100	95-100	70-95	20-45	20-45	5-25
	6-57	Sandy clay loam, fine sandy loam, loam	SC, SC-SM	A-2-6, A-6	0	0	95-100	95-100	70-95	20-45	25-45	11-25
	57-68	Fine sandy loam, loam, sandy clay loam	SC, SC-SM	A-2-4, A-4	0	0	80-100	80-100	60-85	20-40	20-30	4-10
	68-80	Sandy clay loam, fine sandy loam	SC	A-2-4, A-4	0	0	80-100	80-100	60-85	20-40	20-30	4-15
ShC:												
Schattel--------	0-4	Clay loam	CL	A-6, A-7-6	0	0-1	96-100	96-100	70-100	55-80	36-48	16-25
	4-24	Clay, clay loam	CH, CL	A-7-6	0	0	96-100	96-100	70-100	65-95	43-62	21-36
	24-52	Clay	CH, CL	A-7-6	0	0	96-100	96-100	65-100	65-95	43-62	21-36
	52-80	Clay, silty clay, clay loam	CH, CL	A-7-6	0	0	96-100	96-100	65-100	60-95	48-70	27-48
StA:												
Sinton----------	0-25	Sandy clay loam	CL, SC	A-6	0	0	100	96-100	80-100	45-55	28-40	11-23
	25-66	Sandy clay loam	CL	A-6	0	0	100	96-100	80-100	45-55	28-40	11-23
	66-80	Sandy clay loam	CL-ML, SC, SC-SM, SM	A-4	0	0	100	96-100	80-100	45-55	0-30	NP-14
SxA:												
Sinton----------	0-22	Clay loam	CL	A-4, A-6	0	0	100	96-100	85-100	50-80	27-40	9-20
	22-80	Sandy clay loam	CL-ML, SC-SM	A-6, A-4	0	0	100	96-100	50-100	20-52	0-30	NP-14

Table 22.—Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
TcA:												
Tiocano---------	0-8	Clay	CH	A-7-6	0	0	100	100	90-100	60-95	56-76	33-49
	8-59	Clay	CH	A-7-6	0	0	100	100	90-100	65-95	56-76	33-49
	59-70	Clay	CH	A-7-6	0	0	90-100	90-100	90-100	65-95	56-76	33-49
	70-80	Clay loam, clay	CH	A-7-6	0	0	90-100	90-100	85-95	65-95	56-76	33-49
UsC:												
Ustarents-------	0-6	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	99-100	98-100	85-99	40-75	35-48	15-25
	6-80	Sandy clay loam, clay loam	CL, SC	A-6, A-7-6	0	0	99-100	98-100	85-99	40-75	35-48	15-25
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
WaB:												
Weesatche-------	0-7	Fine sandy loam	CL, SC	A-2-4, A-2-6, A-6	0	0	95-100	95-100	65-98	28-65	20-30	8-15
	7-73	Sandy clay loam, clay loam	CL, SC	A-2-6, A-6, A-7	0	0	95-100	95-100	65-98	28-75	30-42	15-26
	73-80	Sandy clay loam, fine sandy loam, loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	55-100	28-80	25-40	11-24
WaC:												
Weesatche-------	0-11	Fine sandy loam	CL, SC	A-2-4, A-2-6, A-6	0	0	95-100	95-100	65-98	28-65	20-30	8-15
	11-15	Sandy clay loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	65-98	28-75	30-42	15-26
	15-36	Sandy clay loam, clay loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	65-98	28-75	30-42	15-26
	36-80	Sandy clay loam, fine sandy loam, loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	55-100	28-80	25-40	11-24

Table 22.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
WeB:												
Weesatche-------	0-9	Sandy clay loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	65-98	28-65	25-35	11-20
	9-29	Sandy clay loam, clay loam	CL, SC	A-2-6, A-6	0	0	95-100	95-100	65-98	28-75	30-42	15-26
	29-71	Clay loam, sandy clay loam, fine sandy loam	CL, SC	A-6, A-2-6	0	0	95-100	85-100	55-100	28-80	25-40	11-24
	71-80	Loam, sandy clay loam	CL	A-6	0	0	75-95	70-95	60-80	51-65	25-40	11-24

Table 23.--Physical Soil Properties

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
AnC:												
Annarose	0-9	15-25	1.30-1.50	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-35	15-25	1.20-1.40	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.32	.32			
	35-50	15-25	1.25-1.50	0.6-2	0.10-0.17	0.0-2.9	0.0-0.5	.32	.32			
	50-80	8-20	1.50-1.70	0.6-2	0.10-0.17	0.0-2.9	0.0-0.5	.28	.32			
BcA:												
Buchel	0-8	40-60	1.25-1.55	0.00-0.06	0.12-0.20	9.0-25.0	2.0-5.0	.32	.32	5	4	86
	8-42	40-60	1.25-1.60	0.00-0.06	0.12-0.20	9.0-25.0	1.0-3.0	.32	.32			
	42-74	40-60	1.25-1.60	0.00-0.06	0.12-0.20	9.0-25.0	---	.32	.32			
	74-80	40-60	1.30-1.60	0.00-0.06	0.12-0.20	9.0-25.0	1.0-3.0	.32	.32			
BfA:												
Buchel	0-14	40-60	1.25-1.55	0.00-0.06	0.12-0.20	9.0-25.0	2.0-5.0	.32	.32	5	4	86
	14-76	40-60	1.25-1.60	0.00-0.06	0.12-0.20	9.0-25.0	1.0-3.0	.32	.32			
	76-80	40-60	1.30-1.60	0.00-0.06	0.12-0.20	9.0-25.0	1.0-3.0	.32	.32			
CaB:												
Campbellton	0-7	20-40	1.40-1.65	0.6-2	0.15-0.20	3.0-5.9	1.0-3.0	.32	.32	5	5	56
	7-34	35-48	1.45-1.70	0.2-0.6	0.10-0.18	3.0-5.9	0.5-1.5	.32	.32			
	34-43	35-48	1.45-1.70	0.2-0.6	0.10-0.18	3.0-5.9	0.5-1.0	.32	.32			
	43-49	35-48	1.45-1.70	0.2-0.6	0.10-0.18	3.0-5.9	0.5-1.0	.32	.32			
	49-80	25-45	1.35-1.65	0.6-2	0.04-0.14	3.0-5.9	0.5-1.0	.32	.32			
CaC:												
Campbellton	0-9	25-35	1.40-1.65	0.6-2	0.15-0.20	3.0-5.9	1.0-3.0	.32	.32	5	5	56
	9-22	35-48	1.45-1.70	0.2-0.6	0.10-0.18	3.0-5.9	0.8-1.5	.32	.32			
	22-58	35-48	1.45-1.70	0.2-0.6	0.10-0.18	3.0-5.9	0.5-1.0	.32	.32			
	58-80	25-45	1.35-1.65	0.6-2	0.04-0.14	3.0-5.9	0.5-1.0	.32	.32			
CeB:												
Choke	0-10	20-35	1.10-1.50	0.6-2	0.15-0.20	3.0-5.9	1.0-4.0	.32	.32	5	4L	86
	10-24	20-35	1.20-1.55	0.6-2	0.15-0.20	3.0-5.9	0.5-2.0	.32	.32			
	24-34	20-35	1.20-1.55	0.6-2	0.15-0.20	3.0-5.9	0.5-1.0	.32	.32			
	34-48	20-35	1.20-1.55	0.6-2	0.15-0.20	3.0-5.9	0.2-0.8	.32	.32			
	48-73	15-26	1.30-1.55	0.6-2	0.15-0.20	1.0-5.0	0.0-0.5	.32	.32			
	73-84	15-25	1.30-1.60	0.6-2	0.10-0.18	1.0-3.0	0.0-0.5	.32	.32			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
CeC:												
Choke----------	0-11	25-40	1.10-1.50	0.6-2	0.15-0.20	3.0-5.9	1.0-4.0	.32	.32	5	4L	86
	11-54	25-40	1.20-1.55	0.6-2	0.15-0.20	3.0-5.9	0.5-2.0	.32	.32			
	54-80	20-35	1.30-1.60	0.6-2	0.10-0.18	1.0-3.0	0.0-0.5	.32	.32			
CkA:												
Clareville----------	0-12	25-35	1.35-1.55	0.6-2	0.12-0.20	3.0-5.9	1.0-3.0	.32	.32	5	6	48
	12-21	35-45	1.35-1.55	0.2-0.6	0.15-0.20	6.0-8.9	1.0-3.0	.32	.32			
	21-59	27-40	1.40-1.60	0.2-0.6	0.15-0.20	6.0-8.9	0.5-2.0	.32	.32			
	59-80	27-40	1.40-1.60	0.6-2	0.12-0.16	3.0-5.9	0.1-1.0	.32	.32			
CkB:												
Clareville----------	0-11	25-35	1.35-1.55	0.6-2	0.12-0.20	3.0-5.9	1.0-3.0	.32	.32	5	6	48
	11-45	35-45	1.35-1.55	0.2-0.6	0.15-0.20	6.0-8.9	1.0-3.0	.32	.32			
	45-70	27-40	1.40-1.60	0.2-0.6	0.15-0.20	6.0-8.9	0.5-2.0	.32	.32			
	70-80	27-40	1.40-1.60	0.6-2	0.12-0.16	3.0-5.9	0.1-1.0	.32	.32			
CnA:												
Condido----------	0-13	40-55	1.35-1.55	0.00-0.06	0.10-0.20	6.0-8.9	1.0-3.0	.28	.28	2	4	86
	13-16	35-55	1.35-1.55	0.00-0.06	0.10-0.20	6.0-8.0	1.0-3.0	.28	.28			
	16-28	14-26	1.20-1.35	0.06-2	0.02-0.08	0.0-2.9	0.1-0.7	.37	.37			
	28-80	14-26	1.20-1.35	0.6-2	0.02-0.08	0.0-2.9	0.1-0.7	.37	.37			
CoB:												
Conquista----------	0-13	40-55	1.40-1.60	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	13-80	18-35	1.60-1.80	0.2-0.6	0.07-0.11	0.0-2.9	0.5-2.0	.24	.24			
CoG:												
Conquista----------	0-18	40-55	1.40-1.60	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.32	.32	2	4	86
	18-80	18-35	1.60-1.80	0.2-0.6	0.07-0.11	0.0-2.9	0.5-2.0	.24	.24			
CtB:												
Cotulla----------	0-7	35-60	1.20-1.35	0.00-0.06	0.10-0.17	9.0-25.0	1.0-3.0	.32	.32	5	4	86
	7-12	40-60	1.20-1.35	0.00-0.06	0.10-0.17	9.0-25.0	0.5-2.0	.32	.32			
	12-18	40-60	1.20-1.35	0.00-0.06	0.10-0.17	9.0-25.0	0.5-1.5	.32	.32			
	18-34	40-60	1.20-1.35	0.00-0.06	0.10-0.17	9.0-25.0	0.5-1.5	.32	.32			
	34-52	40-60	1.20-1.35	0.00-0.06	0.10-0.17	9.0-25.0	0.5-1.0	.32	.32			
	52-80	40-60	1.20-1.35	0.00-0.06	0.05-0.12	9.0-25.0	0.5-1.0	.32	.32			
CyA:												
Coy----------	0-11	27-45	1.35-1.55	0.2-0.6	0.15-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4	86
	11-50	35-60	1.40-1.60	0.00-0.06	0.14-0.18	6.0-8.9	0.5-2.0	.32	.32			
	50-62	40-55	1.40-1.60	0.00-0.06	0.14-0.18	6.0-8.9	0.5-1.0	.32	.32			
	62-80	40-55	1.40-1.60	0.00-0.06	0.10-0.18	6.0-8.9	0.5-1.0	.32	.32			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
CyB:												
Coy	0-6	27-45	1.35-1.55	0.2-0.6	0.15-0.20	3.0-5.9	1.0-3.0	.32	.32	5	4	86
	6-11	35-55	1.40-1.60	0.00-0.06	0.14-0.18	6.0-8.9	1.0-3.0	.32	.32			
	11-37	35-55	1.40-1.60	0.00-0.06	0.14-0.18	6.0-8.9	0.5-2.0	.32	.32			
	37-61	35-55	1.40-1.60	0.00-0.06	0.14-0.18	6.0-8.9	0.5-1.5	.32	.32			
	61-80	40-55	1.40-1.60	0.00-0.06	0.10-0.18	6.0-8.9	0.5-1.0	.32	.32			
DAM:												
Dam	---	---	---	---	---	---	---	---	---	-	---	---
DnA:												
Danjer	0-10	30-40	1.30-1.60	0.06-0.2	0.15-0.20	6.0-8.9	1.0-3.0	.32	.32	5	4L	86
	10-52	35-55	1.35-1.60	0.00-0.06	0.12-0.18	6.0-8.9	0.5-2.0	.32	.32			
	52-80	30-40	1.30-1.60	0.06-0.2	0.15-0.20	6.0-8.9	0.3-1.0	.32	.32			
DnB:												
Danjer	0-15	30-40	1.30-1.60	0.06-0.2	0.15-0.20	6.0-8.9	1.0-3.0	.32	.32	5	4L	86
	15-27	35-55	1.35-1.60	0.00-0.06	0.12-0.18	6.0-8.9	0.5-2.0	.32	.32			
	27-45	35-55	1.35-1.60	0.00-0.06	0.12-0.18	6.0-8.9	0.5-1.5	.32	.32			
	45-71	35-55	1.35-1.60	0.00-0.06	0.12-0.18	6.0-8.9	0.5-1.5	.32	.32			
	71-80	30-40	1.30-1.60	0.00-0.06	0.12-0.18	6.0-8.9	0.3-1.0	.32	.32			
EcB:												
Ecleto	0-5	15-30	1.40-1.55	0.2-0.6	0.10-0.20	3.0-5.9	1.0-3.0	.37	.37	2	5	56
	5-18	35-45	1.35-1.55	0.06-0.2	0.14-0.20	6.0-8.9	1.0-3.0	.32	.32			
	18-80	5-15	1.35-1.55	0.2-2	0.10-0.17	3.0-5.9	1.0-3.0	.32	.32			
EsA:												
Eloso	0-14	40-50	1.15-1.50	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.28	.28	3	4	86
	14-33	40-55	1.20-1.50	0.00-0.06	0.14-0.20	6.0-8.9	0.5-2.0	.28	.28			
	33-37	27-40	1.20-1.35	0.6-2	0.14-0.20	3.0-5.9	0.5-1.5	.32	.32			
	37-80	15-27	1.20-1.35	0.6-2	0.08-0.18	0.0-2.9	0.1-0.5	.32	.32			
EsB:												
Eloso	0-18	40-50	1.15-1.50	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.28	.28	3	4	86
	18-30	40-55	1.20-1.50	0.00-0.06	0.14-0.20	6.0-8.9	0.5-2.0	.28	.28			
	30-80	15-27	1.20-1.35	0.6-2	0.08-0.18	0.0-2.9	0.1-0.5	.32	.32			
EvA:												
Esseville	0-13	40-60	1.05-1.35	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32	3	4	86
	13-37	55-65	1.10-1.45	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32			
	37-55	60-75	1.05-1.45	0.00-0.06	0.08-0.17	9.0-25.0	0.5-2.0	.32	.32			
	55-80	55-80	1.00-1.35	0.00-0.06	0.08-0.17	9.0-25.0	0.1-0.5	.32	.32			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
EvB:												
Esseville----------	0-5	40-60	1.05-1.35	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32	3	4	86
	5-15	55-65	1.10-1.45	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32			
	15-36	60-75	1.05-1.45	0.00-0.06	0.12-0.20	9.0-25.0	0.5-2.0	.32	.32			
	36-80	55-80	1.00-1.35	0.00-0.06	0.05-0.17	9.0-25.0	0.1-0.5	.32	.32			
EvC:												
Esseville----------	0-6	40-60	1.05-1.35	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32	3	4	86
	6-27	55-65	1.10-1.45	0.00-0.06	0.12-0.20	9.0-25.0	1.0-4.0	.32	.32			
	27-44	60-75	1.05-1.45	0.00-0.06	0.08-0.18	9.0-25.0	0.5-2.0	.32	.32			
	44-80	55-80	1.00-1.35	0.00-0.06	0.05-0.17	9.0-25.0	0.1-0.5	.32	.32			
ExC:												
Esseville----------	0-8	40-55	1.10-1.25	0.00-0.06	0.10-0.20	9.0-25.0	2.0-4.0	.20	.32	3	8	0
	8-17	45-60	1.15-1.35	0.00-0.06	0.08-0.12	9.0-25.0	1.0-4.0	.32	.32			
	17-37	45-60	1.15-1.35	0.00-0.06	0.06-0.10	9.0-25.0	1.0-2.0	.32	.32			
	37-80	45-60	1.15-1.35	0.00-0.06	0.06-0.10	9.0-25.0	0.1-0.5	.32	.32			
FaC:												
Fashing----------	0-13	30-50	1.30-1.45	0.06-0.2	0.10-0.18	6.0-8.9	1.0-2.0	.32	.32	2	4	86
	13-80	35-50	1.70-1.90	0.06-0.6	0.02-0.06	0.0-2.9	0.3-1.0	.32	.32			
GoB:												
Goliad----------	0-10	10-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.24	.24	3	3	86
	10-15	30-40	1.40-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.5-1.0	.28	.28			
	15-36	37-50	1.40-1.65	0.2-0.6	0.05-0.14	3.0-5.9	0.1-0.5	.32	.32			
	36-80	---	---	0.2-2	0.05-0.14	0.0-3.0	0.1-0.5	.32	.32			
HnD:												
Hindes----------	0-10	18-35	1.40-1.65	0.6-2	0.06-0.13	0.0-2.9	1.0-3.0	.10	.32	4	8	0
	10-19	35-55	1.25-1.45	0.2-0.6	0.02-0.13	0.0-2.9	0.5-3.0	.10	.32			
	19-22	35-55	1.25-1.45	0.2-0.6	0.02-0.13	0.0-2.9	0.5-1.0	.10	.32			
	22-27	18-40	1.40-1.70	0.6-2	0.02-0.09	0.0-2.9	0.5-1.0	.10	.32			
	27-80	18-40	1.40-1.70	0.6-2	0.02-0.09	0.0-2.9	0.3-0.8	.10	.32			
ImA:												
Imogene----------	0-8	10-18	1.40-1.70	0.6-2	0.10-0.20	0.0-2.9	1.0-3.0	.43	.43	2	3	86
	8-15	20-40	1.50-1.75	0.00-0.06	0.05-0.12	3.0-5.9	0.5-2.0	.43	.43			
	15-36	20-34	1.40-1.65	0.06-0.2	0.05-0.11	3.0-5.9	0.5-1.0	.43	.43			
	36-80	15-34	1.40-1.65	0.06-0.2	0.04-0.10	3.0-5.9	0.5-1.0	.43	.43			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
LaB:												
Lacoste----------	0-4	5-15	1.50-1.70	0.6-2	0.10-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	4-13	15-25	1.35-1.60	0.6-2	0.11-0.16	0.0-2.9	0.1-1.0	.28	.32			
	13-80	---	---	0.06-0.6	---	0.0-2.0	0.1-0.5	.32	.32			
LpB:												
Laparita----------	0-6	18-32	1.40-1.70	0.6-2	0.12-0.20	3.0-5.9	1.0-3.0	.32	.32	5	6	48
	6-42	35-47	1.35-1.60	0.2-0.6	0.10-0.20	6.0-8.9	0.5-3.0	.32	.32			
	42-56	35-45	1.35-1.65	0.2-0.6	0.03-0.16	6.0-8.9	0.5-1.0	.32	.32			
	56-81	---	---	---	---	---	---	---	---			
LtA:												
Lattas----------	0-14	30-50	1.20-1.40	0.06-0.2	0.12-0.18	6.0-8.9	1.0-3.0	.32	.32	5	4L	86
	14-45	35-55	1.20-1.40	0.00-0.06	0.15-0.20	6.0-8.9	0.8-2.0	.32	.32			
	45-80	35-55	1.20-1.40	0.00-0.06	0.15-0.20	6.0-8.9	0.1-0.5	.32	.32			
LtB:												
Lattas----------	0-22	30-50	1.20-1.40	0.06-0.2	0.12-0.18	6.0-8.9	1.0-3.0	.32	.32	5	4L	86
	22-55	35-55	1.20-1.40	0.00-0.06	0.15-0.20	6.0-8.9	0.8-1.2	.32	.32			
	55-80	35-55	1.20-1.40	0.00-0.06	0.15-0.20	6.0-8.9	0.1-0.5	.32	.32			
MaD:												
Mata----------	0-5	18-35	1.35-1.60	0.6-2	0.07-0.12	0.0-2.9	1.0-4.0	.17	.32	4	8	0
	5-31	20-40	1.25-1.50	0.6-2	0.07-0.12	0.0-2.9	0.5-2.0	.10	.32			
	31-44	20-40	1.40-1.70	0.6-2	0.07-0.12	6.0-8.9	0.5-1.0	.32	.32			
	44-80	---	---	---	---	---	---	---	---			
MoA:												
Monteola----------	0-6	40-55	1.20-1.45	0.00-0.06	0.13-0.18	9.0-25.0	1.0-4.0	.32	.32	5	4	86
	6-24	40-60	1.20-1.55	0.00-0.06	0.13-0.18	9.0-25.0	0.5-3.0	.37	.37			
	24-54	40-60	1.30-1.60	0.00-0.06	0.13-0.18	9.0-25.0	0.5-1.0	.37	.37			
	54-80	40-60	1.40-1.65	0.00-0.06	0.06-0.13	6.0-8.9	0.3-0.8	.37	.37			
MoB:												
Monteola----------	0-17	40-55	1.20-1.45	0.00-0.06	0.13-0.18	9.0-25.0	1.0-4.0	.32	.32	5	4	86
	17-54	40-60	1.20-1.55	0.00-0.06	0.13-0.18	9.0-25.0	0.5-3.0	.37	.37			
	54-70	40-60	1.30-1.60	0.00-0.06	0.13-0.18	9.0-25.0	0.5-1.0	.37	.37			
	70-80	40-60	1.40-1.65	0.00-0.06	0.06-0.13	6.0-8.9	0.5-1.0	.37	.37			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
NuC:												
Nusil----------	0-29	1-10	1.35-1.50	6-20	0.05-0.08	0.0-2.9	0.5-1.0	.17	.17	5	1	250
	29-37	1-13	1.35-1.65	2-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
	37-54	18-35	1.65-1.75	0.06-0.2	0.12-0.17	3.0-5.9	0.1-1.0	.24	.24			
	54-70	18-35	1.60-1.70	0.2-0.6	0.08-0.12	3.0-5.9	0.1-1.0	.24	.24			
	70-80	15-30	1.50-1.65	0.6-2	0.11-0.17	3.0-5.9	0.5-1.0	.24	.24			
OdA:												
Odem----------	0-24	7-18	1.40-1.65	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.24	.24	5	3	86
	24-39	7-18	1.40-1.65	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.24	.24			
	39-80	7-18	1.40-1.65	2-6	0.10-0.16	0.0-2.9	0.5-1.5	.24	.24			
OmD:												
Olmos----------	0-8	12-40	1.00-1.55	0.6-2	0.05-0.10	0.0-2.9	1.0-5.0	.10	.32	1	8	0
	8-18	12-40	1.00-1.55	0.6-2	0.05-0.10	0.0-2.9	1.0-3.0	.10	.32			
	18-30	5-26	1.35-1.80	0.00- 0.00	0.01-0.05	0.0-2.9	0.1-1.0	.10	.32			
	30-80	5-26	1.35-1.80	0.6-2	0.02-0.07	0.0-2.9	0.1-1.0	.10	.32			
PaB:												
Papalote----------	0-12	4-15	1.50-1.70	2-6	0.07-0.11	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	12-17	35-50	1.50-1.60	0.06-0.2	0.13-0.20	3.0-5.9	0.5-1.0	.32	.32			
	17-36	30-45	1.35-1.60	0.06-0.2	0.13-0.18	3.0-5.9	0.2-0.8	.32	.32			
	36-60	27-40	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
	60-80	20-35	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
PbA:												
Papalote----------	0-8	6-17	1.45-1.70	2-6	0.11-0.16	0.0-2.9	0.5-1.0	.32	.32	5	3	86
	8-25	35-55	1.35-1.60	0.06-0.2	0.13-0.18	3.0-5.9	0.2-0.8	.32	.32			
	25-66	30-40	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
	66-80	20-35	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
PbB:												
Papalote----------	0-11	6-17	1.45-1.70	2-6	0.11-0.16	0.0-2.9	0.5-1.0	.32	.32	5	3	86
	11-27	35-55	1.35-1.60	0.06-0.2	0.13-0.18	3.0-5.9	0.2-0.8	.32	.32			
	27-59	30-40	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
	59-80	30-40	1.45-1.70	0.06-0.2	0.12-0.17	3.0-5.9	0.1-0.5	.32	.32			
PcB:												
Parrita----------	0-5	10-20	1.40-1.60	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	2	3	86
	5-11	30-48	1.35-1.55	0.2-0.6	0.12-0.17	3.0-5.9	1.0-2.0	.24	.24			
	11-19	37-52	1.35-1.55	0.2-0.6	0.12-0.18	3.0-5.9	0.5-2.0	.24	.24			
	19-28	---	---	0.06-0.6	0.00-0.00	0.0-2.9	---	.10	.28			
	28-80	15-26	1.35-1.65	0.6-2	0.06-0.08	0.0-2.9	0.1-0.5	.10	.28			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
PkB:												
Pavelek----------	0-6	35-50	1.10-1.47	0.06-0.2	0.14-0.20	6.0-8.9	1.0-3.0	.37	.37	2	4	86
	6-12	35-55	1.10-1.47	0.06-0.2	0.14-0.20	6.0-8.9	1.0-2.0	.37	.37			
	12-16	35-55	1.10-1.47	0.06-0.2	0.12-0.18	3.0-5.9	0.5-1.5	.15	.37			
	16-24	---	---	---	---	---	---	.10	.10			
	24-80	14-26	1.20-1.35	0.6-2	0.02-0.05	0.0-2.9	0.0-0.5	.37	.37			
PkC2:												
Pavelek, severely eroded----------	0-4	35-50	1.10-1.47	0.06-0.2	0.14-0.20	6.0-8.9	1.0-3.0	.37	.37	1	4	86
	4-11	35-55	1.10-1.47	0.06-0.2	0.12-0.18	3.0-5.9	1.0-3.0	.15	.37			
	11-14	---	---	0.06-0.2	0.00-0.00	0.0-2.9	0.1-0.5	.10	.10			
	14-80	14-26	1.20-1.35	0.6-2	0.02-0.05	0.0-2.9	0.0-0.5	.37	.37			
PmC:												
Pernitas----------	0-7	15-20	1.35-1.60	2-6	0.11-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	7-20	21-35	1.30-1.55	0.6-2	0.13-0.18	3.0-5.9	1.0-2.0	.32	.32			
	20-36	25-40	1.35-1.60	0.6-2	0.13-0.19	3.0-5.9	0.5-2.0	.32	.32			
	36-52	25-40	1.35-1.60	0.6-2	0.13-0.19	3.0-5.9	0.3-1.0	.32	.32			
	52-59	21-35	1.35-1.60	0.6-2	0.10-0.19	3.0-5.9	0.1-1.0	.32	.32			
	59-80	21-35	1.35-1.60	0.6-2	0.10-0.15	3.0-5.9	0.1-0.8	.32	.32			
PnB:												
Pernitas----------	0-7	20-32	1.35-1.60	0.6-2	0.11-0.16	0.0-2.9	1.0-3.0	.32	.32	5	5	56
	7-14	21-35	1.30-1.55	0.6-2	0.13-0.18	3.0-5.9	0.1-2.0	.32	.32			
	14-26	25-40	1.35-1.60	0.6-2	0.13-0.19	3.0-5.9	0.1-2.0	.28	.32			
	26-36	25-40	1.35-1.60	0.6-2	0.13-0.19	3.0-5.9	0.1-1.0	.28	.32			
	36-59	21-35	1.35-1.60	0.6-2	0.13-0.19	3.0-5.9	0.1-1.0	.32	.32			
	59-80	20-30	1.35-1.60	0.6-2	0.10-0.15	3.0-5.9	0.1-0.8	.32	.32			
PtC:												
Pettus----------	0-11	20-35	1.45-1.60	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.24	.32	3	4L	86
	11-54	18-26	1.45-1.60	0.6-2	0.02-0.05	0.0-2.9	0.1-1.0	.10	.32			
	54-80	15-26	1.50-1.65	0.6-6	0.03-0.08	0.0-2.9	0.1-1.0	.24	.37			
PvC:												
Picosa----------	0-6	20-35	1.30-1.45	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.28	.32	1	6	48
	6-11	---	---	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.10	.10			
	11-80	---	---	0.2-2	---	0.0-2.9	0.1-0.3	.10	.10			
Px:												
Pits----------	0-80	---	---	0.06-2	0.01-0.10	0.0-2.9	---	.10	---	1	8	0

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
RhC:												
Rhymes----------	0-11	1-10	1.35-1.50	6-20	0.05-0.08	0.0-2.9	0.5-1.0	.17	.17	5	1	250
	11-71	1-13	1.35-1.50	2-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
	71-80	20-35	1.50-1.65	0.2-0.6	0.12-0.17	3.0-5.9	0.1-1.0	.24	.24			
RoA:												
Rosenbrock----------	0-14	40-50	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	2.0-5.0	.24	.24	4	4	86
	14-44	45-60	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.24	.24			
	44-65	20-35	1.10-1.35	0.2-0.6	0.13-0.19	3.0-5.9	0.1-0.5	.28	.28			
	65-80	10-26	1.10-1.35	0.6-2	0.07-0.11	0.0-2.9	0.1-0.3	.37	.37			
RoB:												
Rosenbrock----------	0-6	40-50	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	2.0-5.0	.24	.24	4	4	86
	6-44	45-60	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.24	.24			
	44-56	40-50	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	1.0-2.0	.24	.24			
	56-63	30-40	1.10-1.35	0.2-0.6	0.13-0.19	2.9-6.0	0.3-1.0	.28	.28			
	63-80	10-26	1.10-1.35	0.6-2	0.07-0.11	0.0-2.9	0.1-0.3	.37	.37			
RrA:												
Rosenbrock----------	0-8	40-50	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	2.0-5.0	.24	.24	4	4	86
	8-52	45-60	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.24	.24			
	52-72	45-60	1.10-1.35	0.00-0.06	0.14-0.20	6.0-8.9	1.0-3.0	.24	.24			
	72-80	20-35	1.10-1.35	0.2-0.6	0.13-0.19	3.0-5.9	0.1-0.5	.28	.28			
SaD:												
Sancajo----------	0-6	---	1.35-1.60	0.6-2	0.05-0.10	0.0-2.9	1.0-3.0	.10	.32	1	8	0
	6-11	---	1.35-1.60	0.6-2	0.05-0.10	0.0-2.9	0.8-1.2	.10	.10			
	11-18	---	1.20-1.35	0.00-0.01	0.01-0.05	0.0-2.9	0.1-0.5	.10	.10			
	18-38	---	1.20-1.35	0.6-2	0.02-0.05	0.0-2.9	0.1-0.5	.37	.37			
	38-80	---	1.20-1.35	0.6-2	0.02-0.05	0.0-2.9	0.1-0.5	.37	.37			
SeD:												
Sarnosa----------	0-6	8-25	1.35-1.55	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.24	.24	5	4	86
	6-57	8-25	1.40-1.60	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.24	.24			
	57-68	8-25	1.40-1.65	2-6	0.06-0.12	0.0-2.9	0.1-1.0	.24	.24			
	68-80	8-25	1.40-1.65	2-6	0.06-0.12	0.0-2.9	0.1-0.8	.24	.24			
ShC:												
Schattel----------	0-4	27-45	1.15-1.35	0.6-2	0.11-0.18	3.0-5.9	0.5-2.0	.32	.32	3	6	48
	4-24	35-55	1.20-1.45	0.2-0.6	0.08-0.15	6.0-8.9	0.5-1.0	.32	.32			
	24-52	35-60	1.65-1.80	0.2-0.6	0.08-0.15	6.0-8.9	0.1-0.5	.32	.32			
	52-80	35-60	1.65-1.80	0.06-0.2	0.03-0.08	6.0-8.9	0.1-0.5	.37	.37			

Table 23.--Physical Soil Properties--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in	Pct	Pct					
StA:												
Sinton----------	0-25	20-35	1.35-1.60	0.6-2	0.15-0.20	0.0-2.9	1.0-3.0	.28	.28	5	5	56
	25-66	15-35	1.35-1.60	0.6-2	0.15-0.20	0.0-2.9	1.0-3.0	.28	.28			
	66-80	10-35	1.40-1.65	0.6-2	0.07-0.15	0.0-2.9	0.5-2.0	.20	.20			
SxA:												
Sinton----------	0-22	18-35	1.35-1.60	0.6-2	0.15-0.20	0.0-2.9	1.0-3.0	.28	.28	5	6	48
	22-80	10-35	1.40-1.65	2-6	0.07-0.15	0.0-2.9	0.5-2.0	.20	.20			
TcA:												
Tiocano----------	0-8	40-60	1.25-1.50	0.00-0.06	0.12-0.18	9.0-25.0	1.0-4.0	.32	.32	5	4	86
	8-59	40-60	1.25-1.50	0.00-0.06	0.12-0.17	9.0-25.0	0.5-2.0	.32	.32			
	59-70	40-60	1.25-1.50	0.00-0.06	0.12-0.17	9.0-25.0	0.5-1.5	.32	.32			
	70-80	30-50	1.25-1.50	0.00-0.06	0.12-0.17	9.0-25.0	0.5-1.0	.32	.32			
UsC:												
Ustarents----------	0-6	25-40	1.35-1.60	0.6-2	0.12-0.18	3.0-5.9	0.5-2.0	.24	.24	5	6	48
	6-80	25-40	1.35-1.60	0.6-2	0.12-0.18	3.0-5.9	0.1-0.5	.24	.24			
W:												
Water----------	---	---	---	---	---	---	---	---	---	-	---	---
WaB:												
Weesatche----------	0-7	14-20	1.35-1.55	0.6-2	0.11-0.15	0.0-2.9	1.0-4.0	.32	.32	5	3	86
	7-73	20-35	1.30-1.50	0.6-2	0.15-0.20	3.0-5.9	0.5-2.0	.32	.32			
	73-80	16-33	1.30-1.55	0.6-2	0.10-0.18	3.0-5.9	0.3-1.0	.32	.32			
WaC:												
Weesatche----------	0-11	14-20	1.35-1.55	0.6-2	0.11-0.15	0.0-2.9	1.0-4.0	.32	.32	5	3	86
	11-15	20-35	1.30-1.50	0.6-2	0.11-0.15	3.0-5.9	1.0-3.0	.32	.32			
	15-36	20-35	1.30-1.50	0.6-2	0.15-0.20	3.0-5.9	0.5-2.0	.32	.32			
	36-80	16-33	1.30-1.55	0.6-2	0.10-0.15	3.0-5.9	0.3-1.0	.32	.32			
WeB:												
Weesatche----------	0-9	16-27	1.30-1.50	0.6-2	0.12-0.17	3.0-5.9	1.0-4.0	.32	.32	5	5	56
	9-29	20-35	1.30-1.50	0.6-2	0.15-0.20	3.0-5.9	0.5-2.0	.32	.32			
	29-71	18-35	1.30-1.55	0.6-2	0.10-0.15	3.0-5.9	0.3-1.0	.32	.32			
	71-80	15-30	1.30-1.55	0.6-2	0.10-0.15	3.0-5.9	0.2-0.8	.32	.32			

Table 24.--Chemical Soil Properties

(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
AnC:							
Annarose----------	0-9	10-20	7.4-8.4	10-25	0	0	0
	9-25	10-20	7.9-8.4	20-35	0	0	0
	25-50	10-20	7.9-8.4	20-35	0	0	0
	50-80	10-20	7.9-8.4	15-30	0	0	0
BcA:							
Buchel----------	0-8	30-50	7.4-8.4	20-30	0	0.0-4.0	0-2
	8-42	30-50	7.4-8.4	20-30	0	0.0-4.0	0-10
	42-74	30-50	7.4-8.4	20-30	0	0.0-4.0	0-10
	74-80	30-50	7.4-8.4	20-30	0	0.0-8.0	5-15
BfA:							
Buchel----------	0-14	30-50	7.4-8.4	20-30	0	0.0-4.0	0-2
	14-80	30-50	7.4-8.4	20-30	0	0.0-4.0	0-10
CaB:							
Campbellton----------	0-7	15-25	7.4-8.4	2-15	0	0.0-2.0	0
	7-34	15-25	7.4-8.4	10-25	0	0.0-2.0	0
	34-43	20-35	7.4-8.4	10-25	0-5	4.0-8.0	0
	43-80	15-25	7.4-8.4	2-25	2-10	4.0-16.0	0
CaC:							
Campbellton----------	0-9	15-25	7.4-8.4	2-15	0	0.0-2.0	0
	9-22	20-35	7.4-8.4	10-25	0-5	4.0-8.0	0
	22-58	20-35	7.4-8.4	10-25	0-5	4.0-8.0	0
	58-80	15-25	7.4-8.4	2-25	0-10	4.0-16.0	0
CeB:							
Choke----------	0-10	25-40	7.9-8.4	5-15	0	0.0-2.0	0
	10-24	25-40	7.9-8.4	10-15	0	0.0-2.0	0
	24-34	25-40	7.9-8.4	15-30	0	0.0-2.0	0-2
	34-48	20-40	7.9-8.4	15-30	0	0.0-2.0	0-2
	48-73	20-35	7.9-8.4	15-30	0	2.0-8.0	2-8
	73-80	20-35	7.4-8.4	10-20	0	4.0-16.0	2-8
CeC:							
Choke----------	0-11	25-40	7.9-8.4	5-15	0	0.0-2.0	0
	11-61	25-40	7.9-8.4	10-15	0	0.0-2.0	0
	61-80	20-35	7.4-8.4	10-20	0	4.0-16.0	2-8
CkA:							
Clareville----------	0-12	20-35	6.6-7.8	0	0	0	0
	12-21	20-45	6.6-7.8	0	0	0	0
	21-59	30-50	7.9-8.4	5-30	0	0	0
	59-80	30-50	7.9-8.4	15-50	0	0.0-4.0	0-2
CkB:							
Clareville----------	0-11	20-35	6.6-7.8	0	0	0	0
	11-45	20-45	6.6-7.8	0	0	0	0
	45-70	30-50	7.9-8.4	5-30	0	0	0
	70-80	30-50	7.9-8.4	15-50	0	0.0-4.0	0-2
CnA:							
Condido----------	0-13	30-45	6.6-7.8	0	0	0.0-2.0	0
	13-16	30-45	6.6-7.8	5-15	0	0.0-2.0	0
	16-28	---	7.4-8.4	40-50	0	0.0-2.0	0-2
	28-80	30-40	7.4-8.4	5-30	0	0.0-2.0	0-2

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
CoB:							
Conquista	0-13	35-45	7.4-8.4	0-10	0	0.0-2.0	0
	13-80	15-30	7.4-8.4	10-20	0	2.0-8.0	2-8
CoG:							
Conquista	0-18	35-45	7.4-8.4	0-10	0	0.0-2.0	0
	18-80	15-30	7.4-8.4	10-20	0	2.0-8.0	2-8
CtB:							
Cotulla	0-7	30-50	7.4-8.4	2-10	0-2	0.0-2.0	0-10
	7-12	30-50	7.4-8.4	2-15	0-2	0.0-2.0	0-10
	12-18	30-50	7.9-8.9	2-20	0-2	0.0-2.0	2-12
	18-34	30-50	7.9-8.9	2-20	0-5	2.0-4.0	13-40
	34-52	30-50	7.9-8.9	2-20	2-10	4.0-8.0	13-40
	52-80	30-50	6.6-8.4	2-20	2-10	4.0-16.0	13-40
CyA:							
Coy	0-11	25-45	7.9-8.4	0	0	0.0-2.0	0-2
	11-50	25-45	7.9-8.4	0-10	0-5	0.0-2.0	2-5
	50-62	25-45	7.9-8.4	2-20	0-5	0.0-2.0	2-5
	62-80	20-35	7.9-8.4	2-20	0-10	2.0-8.0	4-15
CyB:							
Coy	0-6	25-45	7.9-8.4	0	0	0.0-2.0	0-4
	6-11	25-45	7.9-8.4	0-5	0	0.0-2.0	0-4
	11-37	25-45	7.9-8.4	2-10	0-5	0.0-2.0	2-5
	37-61	25-45	7.9-8.4	5-20	0-10	2.0-4.0	4-15
	61-80	20-35	7.9-8.4	5-20	0-10	2.0-8.0	4-15
DAM:							
Dams	---	---	---	---	---	---	---
DnA:							
Danjer	0-10	27-36	7.4-8.4	2-10	0	0.0-4.0	0
	10-52	32-50	7.4-9.0	3-25	0	0.0-4.0	0
	52-80	27-36	7.9-8.4	2-10	0	0.0-4.0	0
DnB:							
Danjer	0-15	27-36	7.4-8.4	2-10	0	0.0-4.0	0
	15-27	20-27	7.4-8.9	3-10	0	0.0-4.0	0
	27-45	20-27	7.4-8.4	3-25	0	0.0-4.0	0
	45-71	25-35	7.4-8.4	3-25	0	0.0-4.0	0
	71-80	20-27	7.9-8.4	3-25	0	0.0-4.0	0
EcB:							
Ecleto	0-5	10-15	6.1-7.3	0	0	0.0-2.0	0-2
	5-18	30-35	6.1-7.8	0-5	0	0.0-2.0	0-4
	18-80	---	6.6-7.8	0-5	0	0.0-2.0	2-8
EsA:							
Eloso	0-14	30-40	6.6-7.8	0	0	0.0-2.0	0
	14-33	30-40	7.4-8.4	0-15	0	0.0-2.0	0
	33-37	30-40	7.4-8.4	5-30	0	0.0-2.0	0
	37-80	30-40	7.4-8.4	5-30	0	0.0-2.0	0
EsB:							
Eloso	0-18	30-40	6.6-7.8	0	0	0.0-2.0	0
	18-30	30-40	7.4-8.4	0-15	0	0.0-2.0	0
	30-80	30-40	7.4-8.4	5-30	0	0.0-2.0	0

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
EvA:							
Esseville----------	0-13	30-50	6.6-8.4	2-15	0	0.0-4.0	0-5
	13-37	30-60	6.6-8.4	2-15	0-10	2.0-8.0	2-12
	37-55	30-50	6.6-8.4	2-15	5-20	4.0-16.0	13-30
	55-80	30-50	6.6-8.4	2-15	2-10	4.0-16.0	13-30
EvB:							
Esseville----------	0-5	30-50	6.6-8.4	2-15	0	0.0-4.0	0-5
	5-18	30-60	6.6-8.4	2-15	0-10	2.0-8.0	2-12
	18-36	30-50	6.6-8.4	2-15	5-20	4.0-16.0	13-30
	36-80	30-50	6.6-8.4	2-15	5-20	4.0-16.0	13-30
EvC:							
Esseville----------	0-6	30-50	6.6-8.4	2-15	0	0.0-4.0	0-5
	6-27	30-60	6.6-8.4	2-15	0-10	2.0-16.0	2-12
	27-44	30-50	6.6-8.4	2-15	5-20	4.0-16.0	13-30
	44-80	30-50	6.6-8.4	2-15	5-20	4.0-16.0	13-30
ExC:							
Esseville----------	0-8	25-40	6.6-8.4	1-5	0-1	0.0-2.0	1-5
	8-17	25-40	6.6-8.4	1-5	1-2	2.0-8.0	5-10
	17-37	40-60	6.6-8.4	3-15	2-10	8.0-16.0	10-25
	37-80	35-60	6.6-8.4	1-5	5-20	8.0-16.0	15-30
FaC:							
Fashing----------	0-13	30-40	7.4-8.4	0-5	0	0.0-4.0	0-2
	13-80	30-40	7.4-8.4	0	0	0.0-4.0	0-4
GoB:							
Goliad----------	0-10	1.0-5.0	6.6-8.4	0-1	0	0	0
	10-15	4.0-20	6.6-8.4	0-1	0	0	0
	15-36	15-25	7.4-8.4	1-5	0	0	0
	36-80	---	7.4-8.4	---	---	---	---
HnD:							
Hindes----------	0-10	5.0-11	6.1-7.8	0	0	0	0
	10-19	10-28	6.1-7.8	0-10	0	0	0
	19-22	10-28	7.4-8.4	5-15	0	0	0
	22-27	3.0-15	7.4-8.4	20-90	0	0	0
	27-80	3.0-15	7.4-8.4	20-90	0	0.0-2.0	0-1
ImA:							
Imogene----------	0-8	5.0-12	6.1-7.8	0	0	0.0-4.0	0-10
	8-15	6.0-20	6.6-8.4	0-5	0-5	0.0-4.0	6-13
	15-36	6.0-15	7.4-9.0	0-5	0-7	4.0-16.0	13-30
	36-80	4.0-17	7.4-9.0	2-20	2-15	4.0-16.0	13-40
LaB:							
Lacoste----------	0-4	1.0-7.0	6.1-8.4	0-2	0	0.0-2.0	0-2
	4-13	4.0-12	6.1-8.4	0-2	0	0.0-2.0	0-2
	13-80	---	7.4-8.4	---	---	---	---
LpB:							
Laparita----------	0-6	5.0-19	6.1-7.3	0	0	0.0-2.0	0-12
	6-42	10-28	6.1-7.8	0-10	0	4.0-16.0	2-12
	42-61	10-27	7.9-8.4	0-12	0-20	8.0-16.0	2-20
	61-80	30-40	7.4-8.4	0-10	0-20	4.0-8.0	2-20
LtA:							
Lattas----------	0-14	15-35	7.4-8.4	1-5	0	0.0-4.0	0-4
	14-45	25-40	7.4-8.4	2-10	0	0.0-4.0	4-12
	45-80	25-40	7.4-8.4	2-10	0-5	4.0-8.0	4-12

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
LtB:							
Lattas	0-22	20-35	7.4-8.4	1-5	0	0.0-4.0	0-4
	22-55	25-40	7.4-8.4	2-10	0	0.0-4.0	0-4
	55-80	25-40	7.4-8.4	2-10	0-5	4.0-8.0	4-12
MaD:							
Mata	0-5	10-25	7.4-8.4	3-20	0	0.0-2.0	0-12
	5-31	10-30	7.4-8.4	5-40	0	0.0-8.0	0-12
	31-44	5.0-25	7.4-8.4	0-10	0-5	4.0-16.0	0-4
	44-80	---	---	---	---	---	---
MoA:							
Monteola	0-6	16-36	7.4-8.4	0-10	0	0.0-4.0	0-2
	6-24	16-39	7.4-8.4	0-10	0-3	2.0-4.0	0-2
	24-54	16-39	7.4-8.4	0-15	2-5	2.0-4.0	0-12
	54-80	25-40	7.4-8.4	0-15	2-5	4.0-8.0	2-12
MoB:							
Monteola	0-17	16-36	7.4-8.4	0-10	0	0.0-2.0	0-2
	17-54	16-39	7.4-8.4	0-10	0-3	0.0-2.0	0-2
	54-70	16-39	7.4-8.4	0-15	2-5	0.0-2.0	0-4
	70-80	25-40	7.4-8.4	0-15	2-5	4.0-8.0	2-12
NuC:							
Nusil	0-29	1.0-5.0	6.1-7.8	0	0	0	0
	29-37	1.0-5.0	6.1-7.8	0	0	0	0
	37-54	10-25	6.1-7.8	0-5	0	0.0-2.0	0-8
	54-70	10-25	6.1-8.4	0-5	0	0.0-2.0	0-4
	70-80	10-30	6.1-8.4	0-15	0	0.0-2.0	0-4
OdA:							
Odem	0-24	5.0-25	6.1-8.4	0-3	0	0.0-2.0	0
	24-39	10-25	6.6-8.4	0-5	0	0.0-2.0	0
	39-80	10-25	7.4-8.4	0-5	0	0.0-2.0	0
OmD:							
Olmos	0-8	5.0-20	7.4-8.4	40-70	0	0.0-2.0	0
	8-18	5.0-20	7.4-8.4	40-70	0	0.0-2.0	0
	18-30	3.0-15	7.9-8.4	50-80	0	0.0-2.0	0
	30-80	3.0-15	7.9-8.4	45-90	0	0.0-4.0	0-15
PaB:							
Papalote	0-12	5.0-15	5.6-7.8	0	0	0.0-2.0	0
	12-17	10-25	6.1-7.8	0	0	0.0-2.0	0
	17-36	10-25	6.1-8.4	0	0	0.0-2.0	0
	36-60	15-30	6.6-8.4	0-5	0	0.0-2.0	0
	60-80	15-30	6.6-8.4	0-5	0	0.0-2.0	0
PbA:							
Papalote	0-8	5.0-15	5.6-7.8	0	0	0.0-1.0	0
	8-25	10-25	6.1-8.4	0	0	0.0-1.0	0
	25-66	15-30	6.6-8.4	0-5	0	0.0-2.0	0
	66-80	15-30	6.6-8.4	0-5	0	0.0-2.0	0
PbB:							
Papalote	0-11	5.0-15	5.1-7.8	0	0	0.0-2.0	0
	11-27	10-25	6.1-8.4	0	0	0.0-2.0	0
	27-59	15-30	6.6-8.4	0-5	0	0.0-2.0	0
	59-80	15-30	6.6-8.4	0-5	0	0.0-2.0	0

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
PcB:							
Parrita----------	0-5	15-25	6.6-8.4	0-3	0	0.0-2.0	0
	5-11	25-35	6.6-8.4	0-5	0	0.0-2.0	0
	11-19	30-40	7.4-8.4	5-15	0	0.0-2.0	0
	19-28	---	7.9-8.4	40-80	0	0.0-2.0	0
	28-80	30-50	7.9-8.4	40-80	0-2	0.0-2.0	0
PkB:							
Pavelek----------	0-6	35-40	7.4-8.4	5-10	0	0.0-2.0	0
	6-12	35-40	7.4-8.4	5-10	0	0.0-2.0	0
	12-16	35-40	7.4-8.4	20-25	0	0.0-2.0	0
	16-24	---	7.9-8.4	40-50	0	0.0-2.0	0
	24-80	30-40	7.9-8.4	20-50	0	0.0-2.0	0
PkC2:							
Pavelek, severely eroded----------	0-4	35-40	7.4-8.4	5-10	0	0.0-2.0	0
	4-11	35-40	7.4-8.4	20-25	0	0.0-2.0	0
	11-14	---	7.9-8.4	40-50	0	---	0
	14-80	30-40	7.9-8.4	20-50	0	0.0-2.0	0
PmC:							
Pernitas----------	0-7	10-20	7.4-8.4	5-10	0	0.0-2.0	0
	7-20	15-30	7.4-8.4	8-17	0	0.0-2.0	0
	20-26	20-30	7.4-8.4	10-20	0	0.0-2.0	0
	26-35	20-30	7.9-8.4	10-40	0	0.0-2.0	0
	35-58	10-20	7.9-8.4	10-40	0	0.0-2.0	0
	58-80	10-20	7.9-8.4	10-40	0	0.0-2.0	0
PnB:							
Pernitas----------	0-7	10-25	7.4-8.4	5-10	0	0.0-2.0	0
	7-14	15-30	7.4-8.4	8-17	0	0.0-2.0	0
	14-26	20-30	7.4-8.4	10-20	0	0.0-2.0	0
	26-36	20-30	7.9-8.4	10-40	0	0.0-2.0	0
	36-59	20-30	7.9-8.4	10-40	0	0.0-2.0	0
	59-80	20-30	7.9-8.4	10-40	0	0.0-2.0	0
PtC:							
Pettus----------	0-11	15-25	7.9-8.4	15-40	0	0.0-2.0	0
	11-54	10-18	7.9-8.4	40-65	0	0.0-2.0	0
	54-80	8.0-18	7.9-8.4	40-65	0	0.0-2.0	0
PvC:							
Picosa----------	0-6	10-20	7.4-8.4	0	0	0.0-2.0	0
	6-11	---	7.4-8.4	---	---	---	---
	11-80	---	7.4-8.4	---	---	---	---
Px:							
Pits----------	0-80	---	7.4-8.4	0	0	0.0-2.0	0
RhC:							
Rhymes----------	0-11	1.0-5.0	5.6-7.8	0	0	0.0-2.0	0
	11-71	1.0-5.0	5.6-7.8	0	0	0.0-2.0	0
	71-80	8.0-25	5.6-8.4	0-5	0	0.0-2.0	0-4
RoA:							
Rosenbrock----------	0-14	40-45	7.4-8.4	0-2	0	0.0-2.0	0
	14-44	30-45	7.4-8.4	5-20	0	0.0-4.0	0-2
	44-59	25-35	7.4-8.4	25-35	0	2.0-8.0	2-8
	59-80	10-25	7.4-8.4	5-30	0	2.0-8.0	4-16

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
RoB:							
Rosenbrock	0-6	40-45	7.4-8.4	0-2	0	0.0-2.0	0
	6-44	30-45	7.4-8.4	5-20	0	0.0-4.0	0-2
	44-56	30-45	7.4-8.4	5-20	0	0.0-4.0	0-2
	56-58	25-35	7.4-8.4	25-35	0	2.0-8.0	2-8
	58-80	10-25	7.4-8.4	5-30	0	2.0-8.0	4-16
RrA:							
Rosenbrock	0-8	40-45	7.4-8.4	0-2	0	0.0-2.0	0
	8-42	30-45	7.4-8.4	5-15	0	0.0-2.0	0
	42-59	30-45	7.4-8.4	5-20	0	0.0-4.0	0-2
	59-80	25-35	7.4-8.4	25-35	0	2.0-8.0	2-8
SaD:							
Sancajo	0-6	5.0-20	7.4-8.4	40-60	0	0.0-2.0	0
	6-11	30-40	7.9-8.4	40-60	0	0	0
	11-18	---	7.9-8.4	40-60	0	0	0
	18-38	30-40	7.9-8.4	20-50	0	0.0-2.0	0
	38-80	30-40	7.9-8.4	20-50	0	0.0-2.0	0
SeD:							
Sarnosa	0-6	10-25	7.9-8.4	2-15	0	0.0-2.0	0
	6-57	10-25	7.9-8.4	10-40	0	0.0-2.0	0
	57-68	10-25	7.9-8.4	10-40	0	0.0-2.0	0
	68-80	10-25	7.9-8.4	10-40	0	0.0-2.0	0
ShC:							
Schattel	0-4	25-40	7.4-8.4	2-15	0	0.0-4.0	0-10
	4-24	32-50	7.4-8.4	3-50	0-15	2.0-8.0	0-10
	24-52	32-50	7.4-8.4	3-40	0-15	8.0-16.0	0-13
	52-80	32-55	7.4-8.4	0-30	0-30	8.0-16.0	4-30
StA:							
Sinton	0-25	15-30	7.4-8.4	0-30	0	0	0
	25-66	15-30	7.4-8.4	0-30	0	0	0
	66-80	15-30	7.4-8.4	0-35	0	0	0
SxA:							
Sinton	0-22	15-30	7.4-8.4	0-30	0	0	0
	22-80	15-30	7.4-8.4	0-35	0	0	0
TcA:							
Tiocano	0-8	25-45	6.6-7.8	0	0	0.0-2.0	0
	8-59	25-45	7.4-8.4	0-15	0	0.0-2.0	0
	59-70	25-45	7.4-8.4	0-15	0	0.0-2.0	0
	70-80	15-35	7.4-8.4	0-15	0	0.0-2.0	0
UsC:							
Ustarents	0-6	15-35	6.6-8.4	0-5	0-2	0.0-2.0	0-2
	6-80	15-35	6.6-8.4	0-5	0-2	0.0-2.0	0-2
W:							
Water	---	---	---	---	---	---	---
WaB:							
Weesatche	0-7	10-25	6.6-7.8	0-2	0	0.0-2.0	0
	7-73	15-25	7.4-8.4	0-10	0	0.0-2.0	0
	73-80	15-30	7.9-8.4	25-55	0-2	0.0-2.0	0-2

Table 24.--Chemical Soil Properties--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorp-tion ratio
	Inches	meq/100 g	pH	Pct	Pct	mmhos/cm	
WaC:							
Weesatche----------	0-11	10-25	6.6-7.8	0-2	0	0.0-2.0	0
	11-15	15-25	7.4-8.4	0-2	0	0.0-2.0	0
	15-36	15-25	7.4-8.4	0-10	0	0.0-2.0	0
	36-80	15-30	7.9-8.4	25-55	0-2	0.0-2.0	0-2
WeB:							
Weesatche----------	0-9	15-25	6.6-7.8	0-2	0	0.0-2.0	0
	9-29	15-25	7.4-8.4	0-10	0	0.0-2.0	0
	29-71	10-20	7.9-8.4	25-55	0-2	0.0-2.0	0-2
	71-80	5.0-20	7.9-8.4	25-50	0-2	0.0-2.0	0-2

Table 25.--Water Features

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
AnC:										
Annarose	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
BcA:										
Buchel	D	High								
			May	---	---	---	---	None	Very brief	Occasional
			June	---	---	---	---	None	Very brief	Occasional
			July	---	---	---	---	None	Very brief	Occasional
			August	---	---	---	---	None	Very brief	Occasional
			September	---	---	---	---	None	Very brief	Occasional
BfA:										
Buchel	D	High								
			May	---	---	---	---	None	Brief	Frequent
			June	---	---	---	---	None	Brief	Frequent
			July	---	---	---	---	None	Brief	Frequent
			August	---	---	---	---	None	Brief	Frequent
			September	---	---	---	---	None	Brief	Frequent

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
CaB:										
Campbellton----------	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CaC:										
Campbellton----------	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CeB:										
Choke----------	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
CeC:										
Choke	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CkA:										
Clareville	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CkB:										
Clareville	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
CnA:										
Condido	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CoB:										
Conquista	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CoG:										
Conquista	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
CtB:										
Cotulla	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CyA:										
Coy	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
CyB:										
Coy	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
DAM:										
Dam	---	---								
			Jan-Dec	---	---	---	---	None	---	---
DnA:										
Danjer	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
DnB:										
Danjer	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
EcB:										
Ecleto	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
EsA:										
Eloso	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
EsB:										
Eloso	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
EvA:										
Esseville	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
EvB:										
Esseville	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
EvC:										
Esseville	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
ExC:										
Esseville	D	Very low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
FaC:										
Fashing	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
GoB:										
Goliad	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
HnD:										
Hindes	C	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
ImA:										
Imogene	C	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
LaB:										
Lacoste	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
LpB:										
Laparita	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
LtA:										
Lattas	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
LtB:										
Lattas	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
MaD:										
Mata	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
MoA:										
Monteola	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
MoB:										
Monteola	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
NuC:										
Nusil	A	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
OdA:										
Odem	B	Negligible								
			July	---	---	---	---	None	Very brief	Occasional
			August	---	---	---	---	None	Very brief	Occasional
			September	---	---	---	---	None	Very brief	Occasional
			October	---	---	---	---	None	Very brief	Occasional
OmD:										
Olmos	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
PaB:										
Papalote	C	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PbA:										
Papalote	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PbB:										
Papalote	C	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
PcB:										
Parrita	C	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PkB:										
Pavelek	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PkC2:										
Pavelek, severely eroded	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
PmC:										
Pernitas	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PnB:										
Pernitas	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
PtC:										
Pettus	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
PvC:										
Picosa	C	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
Px:										
Pits	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
RhC:										
Rhymes	A	Negligible								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
RoA:										
Rosenbrock	D	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
RoB:										
Rosenbrock	D	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
RrA:										
Rosenbrock	D	High								
			May	---	---	---	---	None	Very brief	Rare
			June	---	---	---	---	None	Very brief	Rare
			July	---	---	---	---	None	Very brief	Rare
			August	---	---	---	---	None	Very brief	Rare
			September	---	---	---	---	None	Very brief	Rare

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
SaD:										
Sancajo	C	Very high								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
SeD:										
Sarnosa	B	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
ShC:										
Schattel	C	High								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
StA:										
Sinton	B	Negligible								
			May	---	---	---	---	None	Very brief	Occasional
			June	---	---	---	---	None	Very brief	Occasional
			July	---	---	---	---	None	Very brief	Occasional
			August	---	---	---	---	None	Very brief	Occasional
			September	---	---	---	---	None	Very brief	Occasional
SxA:										
Sinton	B	Negligible								
			May	---	---	---	---	None	Brief	Frequent
			June	---	---	---	---	None	Brief	Frequent
			July	---	---	---	---	None	Brief	Frequent
			August	---	---	---	---	None	Brief	Frequent
			September	---	---	---	---	None	Brief	Frequent
TcA:										
Tiocano	D	Negligible								
			January	0.0	>6.0	0.0-1.0	---	None	---	None
			February	0.0	>6.0	0.0-1.0	---	None	---	None
			March	0.0	>6.0	0.0-1.0	---	None	---	None
			April	0.0	>6.0	0.0-1.0	---	None	---	None
			May	0.0	>6.0	0.0-1.0	Brief	Occasional	---	None
			June	---	---	0.0-1.0	Brief	Occasional	---	None
			July	---	---	0.0-1.0	Brief	Occasional	---	None
			August	---	---	0.0-1.0	Brief	Occasional	---	None
			September	0.0	>6.0	0.0-1.0	Brief	Occasional	---	None
			October	0.0	>6.0	0.0-1.0	---	None	---	None
			November	0.0	>6.0	0.0-1.0	---	None	---	None
			December	0.0	>6.0	0.0-1.0	---	None	---	None
UsC:										
Ustarents	B	Medium								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydro-logic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
W:										
Water	---	---								
			Jan-Dec	---	---	---	---	None	---	---
WaB:										
Weesatche	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None
WaC:										
Weesatche	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 25.--Water Features--Continued

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table: Upper limit	Water table: Lower limit	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
				Ft	Ft	Ft				
WeB:										
Weesatche	B	Low								
			January	---	---	---	---	None	---	None
			February	---	---	---	---	None	---	None
			March	---	---	---	---	None	---	None
			April	---	---	---	---	None	---	None
			May	---	---	---	---	None	---	None
			June	---	---	---	---	None	---	None
			July	---	---	---	---	None	---	None
			August	---	---	---	---	None	---	None
			September	---	---	---	---	None	---	None
			October	---	---	---	---	None	---	None
			November	---	---	---	---	None	---	None
			December	---	---	---	---	None	---	None

Table 26.--Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Restrictive layer				Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Uncoated steel	Concrete
		In	In			
AnC:						
Annarose	Bedrock (densic)	40-60	---	Noncemented	Low	Low
BcA:						
Buchel	---	---	---	---	High	Low
BfA:						
Buchel	---	---	---	---	High	Low
CaB:						
Campbellton	Bedrock (densic)	40-60	---	Noncemented	High	Low
CaC:						
Campbellton	Bedrock (densic)	40-60	---	Noncemented	High	Low
CeB:						
Choke	Bedrock (densic)	60-80	---	Noncemented	Moderate	Moderate
CeC:						
Choke	Bedrock (densic)	60-80	---	Noncemented	Moderate	Moderate
CkA:						
Clareville	---	---	---	---	High	Low
CkB:						
Clareville	---	---	---	---	High	Low
CnA:						
Condido	Petrocalcic	10-20	1-12	Strongly cemented	High	Low
	Bedrock (densic)	20-80	---	Noncemented		
CoB:						
Conquista	---	---	---	---	High	Low
CoG:						
Conquista	---	---	---	---	High	Low
CtB:						
Cotulla	---	---	---	---	High	Moderate
CyA:						
Coy	---	---	---	---	High	Low
CyB:						
Coy	---	---	---	---	High	Low
DAM:						
Dams	---	---	---	---	---	---
DnA:						
Danjer	---	---	---	---	High	Low
DnB:						
Danjer	---	---	---	---	High	Low
EcB:						
Ecleto	Bedrock (paralithic)	10-20	---	Weakly cemented	High	Low

Table 26.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Uncoated steel	Concrete
		In	In			
EsA:						
Eloso	Bedrock (densic)	20-40	---	Noncemented	High	Low
EsB:						
Eloso	Bedrock (densic)	20-40	---	Noncemented	High	Low
EvA:						
Esseville	Bedrock (densic)	20-40	---	Noncemented	High	Low
EvB:						
Esseville	Bedrock (densic)	20-40	---	Noncemented	High	Low
EvC:						
Esseville	Bedrock (densic)	20-40	---	Noncemented	High	Low
ExC:						
Esseville	Bedrock (densic)	20-40	---	Noncemented	High	Moderate
FaC:						
Fashing	Bedrock (densic)	10-20	---	Noncemented	High	Low
GoB:						
Goliad	Petrocalcic	20-40	5-20	Indurated	High	Low
HnD:						
Hindes	---	---	---	---	Moderate	Low
ImA:						
Imogene	---	---	---	---	High	Moderate
LaB:						
Lacoste	Petrocalcic	10-20	4-7	Strongly cemented	Moderate	Low
LpB:						
Laparita	---	---	---	---	High	Low
LtA:						
Lattas	---	---	---	---	High	Low
LtB:						
Lattas	---	---	---	---	High	Low
MaD:						
Mata	Bedrock (densic)	40-60	---	Noncemented	High	Low
MoA:						
Monteola	---	---	---	---	High	Low
MoB:						
Monteola	---	---	---	---	High	Low
NuC:						
Nusil	---	---	---	---	Low	Moderate
OdA:						
Odem	---	---	---	---	Moderate	Low
OmD:						
Olmos	Petrocalcic	10-20	4-12	Indurated	High	Low
PaB:						
Papalote	---	---	---	---	High	Low
PbA:						
Papalote	---	---	---	---	High	Low

Table 26.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Uncoated steel	Concrete
		In	In			
PbB:						
Papalote	---	---	---	---	High	Low
PcB:						
Parrita	Petrocalcic	10-20	4-9	Indurated	High	Low
PkB:						
Pavelek	Petrocalcic	10-20	1-8	Strongly cemented	High	Low
	Bedrock (densic)	40-60	---	Noncemented		
PkC2:						
Pavelek, severely eroded	Petrocalcic	10-20	1-3	Strongly cemented	High	Low
	Bedrock (densic)	40-60	---	Noncemented		
PmC:						
Pernitas	---	---	---	---	High	Low
PnB:						
Pernitas	---	---	---	---	High	Low
PtC:						
Pettus	---	---	---	---	Moderate	Low
PvC:						
Picosa	Bedrock (densic)	10-20	---	Noncemented	Moderate	Low
Px:						
Pits	---	---	---	---	High	Low
RhC:						
Rhymes	---	---	---	---	Low	Moderate
RoA:						
Rosenbrock	Bedrock (densic)	40-60	---	Noncemented	High	Low
RoB:						
Rosenbrock	Bedrock (densic)	40-60	---	Noncemented	High	Low
RrA:						
Rosenbrock	Bedrock (densic)	40-60	---	Noncemented	High	Low
SaD:						
Sancajo	Petrocalcic	10-20	4-9	Indurated	Low	Low
	Bedrock (densic)	20-40	---	Noncemented		
SeD:						
Sarnosa	---	---	---	---	Moderate	Low
ShC:						
Schattel	Bedrock (densic)	40-60	---	Noncemented	High	Low
StA:						
Sinton	---	---	---	---	Moderate	Low
SxA:						
Sinton	---	---	---	---	Moderate	Low
TcA:						
Tiocano	---	---	---	---	High	Low

Table 26.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Uncoated steel	Concrete
		In	In			
UsC:						
Ustarents	---	---	---	---	High	Low
W:						
Water	---	---	---	---	---	---
WaB:						
Weesatche	---	---	---	---	High	Low
WaC:						
Weesatche	---	---	---	---	High	Low
WeB:						
Weesatche	---	---	---	---	High	Low

Table 27.--Physical Analyses of Selected Soils

(The abbreviation "COLE" means coefficient of linear extensibility. Analysis by USDA-NRCS, National Soil Survey Laboratory, Lincoln, Nebraska. Dashes indicate that data were not available.)

Soil name and sample number	Depth	Horizon	Particle-size distribution: Sand: Very coarse (2.0-1.0 mm)	Sand: Coarse (1.0-0.5mm)	Sand: Medium (0.5-0.25mm)	Sand: Fine (0.25-0.1 mm)	Sand: Very fine (0.1-0.05 mm)	Sand: Total (2.0-0.05 mm)	Silt (0.05-0.002 mm)	Clay (<0.02 mm)	Water content 1/3-bar	Bulk density 1/3-bar	COLE (Whole soil)
	In		Pct										cm/cm
Annarose (1) S91TX-297-003	0-9	A	0.4	0.2	3.5	43.2	19.0	66.3	15.4	18.3	14.7	1.46	0.02
	9-16	Bw1	0.4	0.3	3.1	33.1	19.2	56.1	19.5	24.4	20.5	1.22	0.02
	16-25	Bw2	0.2	0.4	3.4	32.0	17.4	53.4	23.3	23.3	19.4	1.34	0.02
	25-35	Bk1	0.5	0.4	3.5	32.9	16.4	53.7	23.2	23.1	19.3	1.39	0.03
	35-43	Bk2	tr	0.1	2.2	44.6	19.6	66.5	19.2	14.3	14.9	1.47	0.01
	43-50	BCk	---	0.01	2.7	46.7	19.0	68.5	18.4	13.1	15.5	1.51	0.01
	50-69	Cr1	tr	tr	1.9	47.5	26.9	76.3	12.5	11.2	13.5	1.65	0.01
	69-80	Cr2	tr	tr	3.1	52.6	24.6	80.3	9.5	10.2	12.6	1.66	0.01
Buchel (1) S92TX-297-005	0-8	Ap	tr	0.1	0.8	6.1	9.3	16.3	36.8	46.9	40.3	1.21	0.11
	8-22	Bss1	tr	tr	0.7	5.1	9.0	14.8	35.0	50.2	39.7	1.23	0.12
	22-32	Bss2	0.1	0.1	0.7	5.5	8.7	15.1	34.8	50.1	37.6	1.25	0.12
	32-42	Bss3	tr	tr	0.8	6.1	8.9	15.8	33.1	51.1	38.2	1.24	0.13
	42-63	Bss4	0.1	tr	0.9	7.4	7.6	16.0	30.6	53.4	37.3	1.23	0.13
	63-74	Bss5	0.1	0.1	1.0	7.7	9.3	18.2	25.5	56.3	42.1	1.20	0.13
	74-80	BC	tr	0.1	1.1	9.7	9.7	20.6	25.2	54.2	43.1	1.19	0.13
Choke (1) S91TX-297-005	0-4	A1	0.2	0.4	1.0	4.7	11.2	17.5	46.7	35.8	39.8	1.04	0.06
	4-10	A2	0.2	0.4	0.8	3.8	8.4	13.6	51.7	34.7	39.3	1.01	0.07
	10-16	Bw1	0.2	0.5	1.0	4.4	8.4	14.5	51.5	34.0	38.0	1.05	0.07
	16-24	Bw2	0.4	0.4	0.6	3.7	7.5	12.6	54.3	33.1	34.4	1.09	0.05
	24-34	Bk1	0.1	0.3	0.6	2.2	6.5	9.7	59.3	31.0	36.3	1.06	0.05
	34-48	Bk2	0.8	0.8	0.9	3.4	9.1	15.0	60.2	24.8	29.9	1.16	0.02
	48-58	Bk3	1.3	1.4	2.0	7.9	18.4	31.0	48.9	20.1	25.8	1.23	0.01
	58-73	BCk	8.3	1.1	2.0	16.5	28.2	48.1	37.7	14.2	---	---	---
	73-80	2Cr	0.8	1.0	1.3	5.2	14.3	22.6	57.4	20.0	32.2	1.30	0.05
Danjer (1,2) S92TX-297-003	0-6	A1	0.6	0.4	2.0	10.1	6.1	19.2	31.0	49.8	26.2	1.22	0.06
	6-15	A2	0.5	0.6	2.1	7.2	4.4	14.8	33.1	52.1	27.9	1.39	0.08
	15-27	Bss1	0.5	0.7	2.0	7.2	4.3	14.7	33.5	51.8	29.3	1.41	0.08
	27-45	Bss2	0.3	0.4	1.8	6.7	4.7	13.9	37.7	48.4	30.3	1.41	0.08
	45-59	Bw1	0.2	0.3	1.4	6.8	4.8	13.5	35.4	51.1	29.6	1.39	0.07
	59-71	Bw2	0.1	0.3	3.2	16.0	7.2	26.8	31.1	42.1	25.9	1.47	0.06
	71-80	Bw3	0.1	0.2	4.8	25.2	10.4	40.7	24.6	34.7	24.5	1.51	0.05
Esseville (1) S92TX-297-004	0-5	A	0.5	0.6	1.5	12.1	8.2	22.9	23.6	53.5	43.9	1.09	0.15
	5-15	Bss	0.1	0.4	1.4	9.6	8.4	19.9	23.2	56.9	43.9	1.14	0.18
	15-18	Bkyssz1	0.2	0.4	1.0	8.3	7.0	16.9	25.7	57.4	41.2	1.19	0.15
	18-32	Bkyssz2	0.2	0.3	0.9	6.4	5.9	13.7	29.5	56.8	41.4	1.19	0.15
	32-36	Bcssyz	0.1	0.2	0.4	1.9	1.9	4.5	25.0	70.5	51.5	1.08	0.20
	36-53	Cyz1	0.1	0.2	0.4	1.4	1.7	3.8	18.7	77.5	54.5	1.04	0.21
	53-60	Cyz2	tr	0.3	0.5	0.6	1.4	2.8	38.3	58.9	43.3	1.17	0.16
	60-80	Cyz3	tr	0.2	0.3	0.4	1.7	2.6	38.4	59.0	49.8	1.11	0.21
Lacoste (1) S91TX-297-006	0-4	A	tr	0.2	9.4	53.0	14.0	76.6	12.9	10.5	8.2	1.67	<0.01
	4-10	Bt1	tr	0.2	9.8	48.5	13.0	71.5	12.2	16.3	9.1	1.59	0.01
	10-13	Bt2	tr	0.2	7.4	37.2	12.4	57.2	13.7	29.1	17.2	1.36	0.04
	13-22	Bkm	---	---	---	---	---	---	---	---	---	---	---
Lattas (1) S91TX-297-010	0-6	Ap	0.4	0.8	6.1	20.5	10.8	38.6	19.3	42.1	29.4	1.31	0.06
	6-14	A	0.2	0.8	5.5	17.5	9.9	33.9	20.4	45.7	30.5	1.35	0.10
	14-24	Bss1	0.5	1.1	6.0	15.8	8.6	32.0	20.5	47.5	35.1	1.27	0.14
	24-36	Bss2	0.1	0.9	5.3	15.9	7.3	29.5	21.3	49.2	37.9	1.27	0.15
	36-45	Bss3	0.3	1.0	4.6	13.0	7.8	26.7	21.7	51.6	39.9	1.23	0.17
	45-52	BCssk1	0.1	1.0	4.5	12.4	7.9	25.9	22.2	51.9	38.8	1.22	0.18
	52-64	BCssk2	0.1	0.6	3.8	11.9	7.9	24.3	22.6	53.1	37.4	1.25	0.13
	64-80	BCky1	0.1	0.8	4.1	13.2	7.1	25.3	24.7	50.0	32.4	1.33	0.10

See footnotes at end of table

Table 27.--Physical Analyses of Selected Soils--Continued

(The abbreviation "COLE" means coefficient of linear extensibility. Analysis by USDA-NRCS, National Soil Survey Laboratory, Lincoln, Nebraska. Dashes indicate that data were not available.)

Soil name and sample number	Depth	Horizon	Particle-size distribution: Sand: Very coarse (2.0-1.0 mm)	Coarse (1.0-0.5mm)	Medium (0.5-0.25mm)	Fine (0.25-0.1 mm)	Very fine (0.1-0.05 mm)	Total (2.0-0.05 mm)	Silt (0.05-0.002 mm)	Clay (<0.02 mm)	Water content 1/3-bar	Bulk density 1/3-bar	COLE (Whole soil)
	In		Pct										cm/cm
Olmos (1)	0-8	A1	3.2	3.1	11.8	36.6	14.0	68.7	16.8	14.5	27.7	1.03	0.02
S91TX-297-001	8-18	A2	10.9	9.7	10.3	14.8	7.1	52.8	26.7	20.5	24.5	1.51	---
	18-30	Bkm	6.8	12.9	16.2	12.2	5.4	53.5	36.6	9.9	29.3	1.34	---
	30-41	BCk1	7.8	14.0	15.3	11.0	4.4	52.5	39.3	8.2	26.2	1.39	---
	41-51	BCk2	10.6	11.0	12.4	7.9	3.8	45.7	48.3	6.0	25.5	1.36	<0.01
	51-61	BCk3	7.6	10.5	9.4	6.4	3.0	36.9	56.8	6.3	30.1	1.26	<0.01
	61-75	BCk4	10.3	11.2	9.9	13.4	7.3	52.1	42.3	5.6	---	---	---
	75-80	2BCks	10.3	11.6	10.4	21.4	12.0	65.7	30.1	4.2	13.1	1.80	---
Pernitas (1)	0-7	Ap	0.1	1.1	15.3	36.5	14.3	67.3	12.8	19.9	18.1	1.43	0.03
S91TX-297-002	7-14	Bt1	0.2	1.1	12.3	27.3	15.4	56.3	14.3	29.4	25.8	1.58	0.08
	14-20	Bt2	0.4	1.1	12.6	26.3	13.0	53.4	15.4	31.2	---	---	---
	20-26	Bt3	0.5	1.6	11.2	24.4	12.1	49.8	17.4	32.8	20.4	1.46	0.04
	26-36	Bt4	1.1	1.5	9.2	23.0	11.6	46.4	17.9	35.7	26.6	1.40	0.05
	36-48	Bk1	1.2	1.5	6.6	16.1	11.2	36.6	32.7	30.7	23.2	1.29	0.03
	48-59	Bk2	0.8	0.7	7.1	17.3	11.2	37.1	34.5	28.4	20.7	1.38	0.02
	59-80	Bk3	0.5	0.8	8.0	22.4	14.2	45.9	28.0	26.1	21.6	1.47	0.04
Sarnosa (1)	0-6	Ap	0.4	1.5	16.9	42.4	14.9	76.1	8.2	15.7	15.9	1.51	0.02
S91TX-297-004	6-13	Bw1	0.5	1.6	14.4	42.5	13.4	72.4	9.4	18.2	17.2	1.52	0.02
	13-22	Bw2	0.6	2.0	13.9	38.8	12.4	67.7	10.5	21.8	18.0	1.40	0.02
	22-34	Bw3	0.6	1.8	12.3	37.5	14.7	66.9	11.5	21.6	17.6	1.41	0.02
	34-48	Bk1	1.2	2.1	13.1	33.0	13.5	62.9	14.5	22.6	17.5	1.43	0.02
	48-57	Bk2	0.7	2.4	12.8	35.4	13.8	65.1	14.6	20.3	15.7	1.49	0.02
	57-68	Bk3	1.4	2.2	15.5	38.9	12.5	70.5	11.7	17.8	16.6	1.52	0.02
	68-80	Bk4	0.4	1.4	11.6	34.4	15.3	63.1	15.4	21.5	17.7	1.47	0.03
Tiocano (1)	0-8	A	0.1	0.2	3.6	26.6	8.8	39.3	18.5	42.2	27.6	1.40	0.08
S92TX-297-002	8-21	Bss1	0.2	0.2	3.0	25.2	8.1	36.7	17.6	45.7	31.3	1.36	0.09
	21-38	Bss2	tr	0.2	3.6	24.9	7.7	36.4	16.8	46.8	32.4	1.34	0.10
	38-50	Bss3	tr	0.2	3.9	25.6	8.7	38.4	15.6	46.0	33.0	1.31	0.09
	50-59	Bss4	---	0.2	3.6	25.0	8.3	37.1	17.1	45.8	33.5	1.31	0.08
	59-70	Bk1	0.5	0.9	2.8	22.0	8.3	34.5	18.1	47.4	24.7	1.27	0.08
	70-80	Bk2	1.0	1.4	4.1	17.9	5.9	30.3	41.4	28.3	18.4	1.61	0.02
Weesatche (1)	0-6	Ap	0.1	0.2	6.2	37.9	14.6	59.0	17.0	24.0	22.0	1.33	0.03
S91TX-297-007	6-9	A	---	0.2	6.0	36.7	13.6	56.5	16.4	27.1	23.4	1.27	0.04
	9-16	Bt1	tr	0.3	6.4	35.0	13.0	54.7	15.7	29.6	24.6	1.31	0.05
	16-22	Bt2	tr	0.3	5.4	37.0	11.4	54.1	16.1	29.8	22.6	1.41	0.05
	22-29	Bt3	0.1	0.3	5.1	33.1	13.0	51.6	17.0	31.4	21.1	1.50	0.05
	29-37	Btk	0.3	0.5	4.3	26.5	11.9	43.5	21.2	35.3	20.6	1.46	0.04
	37-52	Bk1	1.1	0.9	2.6	18.0	9.1	31.7	36.9	31.4	26.9	1.23	0.02
	52-71	Bk2	1.5	1.4	2.8	14.8	6.7	27.2	45.6	27.2	18.6	1.51	0.01
	71-80	Bk3	1.5	1.3	2.6	13.2	7.2	25.8	49.0	25.2	19.4	1.50	0.04

(1) Location of pedon sample is the same as the pedon given as typical for series in "Soil Series and Their Morphology."

(2) Pedon sampled has different surface texture than the map unit in which it is located.

Table 28.--Chemical Analyses of Selected Soils

Analysis by USDA-NRCS, National Soil Survey Laboratory, Lincoln, Nebraska.(Dashes indicate that analyses were not made.)

Soil name and sample number	Depth	Horizon	Extractable bases				Cation Exchange Capacity	Base saturation	Organic carbon	pH 1:1 (soil:water)	Electric Conductivity	Sodium adsorption ratio (SAR)
			Ca	Mg	K	Na						
	In		----------Meq/100 gm----------					Pct	Pct	pH	(mmhos/cm)	
Annarose (1)	0-9	A	---	1.0	0.2	0.1	15.1	100	0.76	8.2	---	---
S91TX-297-003	9-16	Bw1	---	1.1	0.2	0.2	16.4	100	0.74	8.2	---	---
	16-25	Bw2	---	1.2	0.2	0.1	17.1	100	0.53	8.2	---	---
	25-35	Bk1	---	1.5	0.2	0.2	18.3	100	0.34	8.2	---	---
	35-43	Bk2	---	1.7	0.2	0.1	16.3	100	0.12	8.3	---	---
	43-50	BCk	---	1.8	0.1	0.2	15.4	100	0.08	8.3	---	---
	50-69	Cr1	---	2.2	0.1	0.3	15.9	100	0.03	8.1	---	---
	69-80	Cr2	---	2.4	0.1	0.7	14.6	100	0.03	8.6	---	---
Buchel (1)	0-8	Ap	---	1.4	2.3	0.3	38.9	100	1.02	8.1	0.61	tr
S92TX-297-005	8-22	Bss1	---	1.1	1.1	0.8	38.8	100	0.72	8.2	0.42	1.0
	22-32	Bss2	---	1.1	0.9	1.7	39.4	100	0.88	8.4	0.40	2.0
	32-42	Bss3	---	1.0	1.0	2.7	38.8	100	0.78	8.5	0.54	3.0
	42-63	Bss4	---	1.1	1.0	4.2	40.0	100	0.58	8.6	0.64	5.0
	63-74	Bss5	---	1.2	0.9	4.9	38.7	100	0.40	8.7	0.71	6.0
	74-80	BC	---	1.1	0.9	5.0	36.1	100	0.26	8.6	0.74	5.0
Choke (1)	0-4	A1	---	---	---	---	37.7	100	1.97	7.9	0.69	tr
S91TX-297-005	4-10	A2	---	---	---	---	39.6	100	1.34	7.9	0.61	tr
	10-16	Bw1	---	---	---	---	37.4	100	1.95	7.9	0.85	tr
	16-24	Bw2	---	---	---	---	35.4	100	0.77	8.0	0.49	tr
	24-34	Bk1	---	---	---	---	31.1	100	0.48	8.1	0.45	tr
	34-48	Bk2	---	---	---	---	23.3	100	0.27	8.0	1.27	tr
	48-58	Bk3	---	---	---	---	21.3	100	0.18	7.7	4.32	0.1
	58-73	BCk	---	---	---	---	19.7	100	0.11	7.5	6.03	0.2
	73-80	2Cr	---	---	---	---	34.0	100	0.09	7.6	9.37	0.4
Danjer (1,2)	0-6	A1	---	3.2	2.1	0.3	28.3	100	2.53	8.0	0.85	tr
S92TX-297-003	6-15	A2	---	4.7	0.9	0.8	25.3	100	1.25	8.3	0.50	2
	15-27	Bss1	---	6.4	0.7	1.8	23.9	100	0.85	8.6	0.63	4
	27-45	Bss2	---	7.5	0.9	4.1	22.6	100	0.74	8.3	2.00	9
	45-59	Bw1	---	7.4	1.1	5.7	28.3	100	0.34	8.2	3.11	11
	59-71	Bw2	---	5.5	0.6	4.6	25.8	100	0.19	8.2	2.92	11
	71-80	Bw3	---	5.9	0.8	5.3	25.9	100	0.17	8.3	3.66	13
Esseville (1)	0-5	A	---	1.7	2.1	1.4	41.2	100	1.79	8.2	0.82	2
S92TX-297-004	5-15	Bss	---	1.3	1.1	6.5	42.3	100	1.13	8.3	1.19	8
	15-18	Bkyssz1	---	1.2	1.0	9.6	57.0	100	0.89	7.8	5.32	11
	18-32	Bkyssz2	---	1.2	1.0	15.8	37.2	100	0.58	7.8	8.31	18
	32-36	Bcssyz	---	1.4	1.1	23.0	41.8	100	0.22	7.7	9.43	21
	36-53	Cyz1	---	1.6	1.3	25.4	47.3	100	0.17	7.7	9.87	20
	53-60	Cyz2	83.3	1.2	1.1	21.0	40.8	100	0.1	7.4	9.71	20
	60-80	Cyz3	160.8	1.5	1.6	25.2	49.0	100	0.01	7.4	9.73	21
Lacoste (1)	0-4	A	5.3	0.6	0.2	0.2	5.9	100	0.55	6.2	---	---
S91TX-297-006	4-10	Bt1	6.9	0.8	0.1	0.1	8.0	99	0.53	6.2	---	---
	10-13	Bt2	15.9	1.2	0.3	0.4	16.6	100	0.95	6.6	---	---
	13-22	Bkm	---	---	---	---	---	---	---	---	---	---
Lattas (1)	0-6	Ap	---	3.6	1.1	0.8	19.4	100	0.97	7.9	1.03	1
S91TX-297-010	6-14	A	---	5.4	0.9	2.1	35.1	100	0.64	8.1	0.55	3
	14-24	Bss1	---	5.6	0.6	4.0	34.1	100	0.61	8.3	0.66	8
	24-36	Bss2	---	6.6	0.9	6.5	36.4	100	0.53	8.3	1.02	10
	36-45	Bss3	---	7.7	1.0	9.4	35.1	100	0.43	8.2	1.40	11
	45-52	BCssk1	---	6.1	0.9	9.2	32.7	100	0.17	8.1	2.38	14
	52-64	BCssk2	---	5.4	1.0	9.2	32.9	100	0.08	7.7	5.12	12
	64-80	BCky1	---	5.9	0.8	10.5	31.3	100	0.04	7.8	5.27	13

See footnotes at end of table

Table 28.--Chemical Analyses of Selected Soils--Continued

Soil name and sample number	Depth	Horizon	Extractable bases				Cation Exchange Capacity	Base saturation	Organic carbon	pH 1:1 (soil:water)	Electric Conductivity	Sodium adsorption ratio (SAR)
			Ca	Mg	K	Na						
	In		----------Meq/100 gm----------					Pct	Pct	pH	(mmhos/cm)	
Olmos (1)	0-8	A1	---	0.9	0.2	0.1	14.5	100	2.64	7.6	0.82	tr
S91TX-297-001	8-18	A2	---	0.4	0.1	0.1	9.4	100	1.44	8.0	0.59	tr
	18-30	Bkm	---	0.4	---	0.2	3.7	100	0.18	8.3	0.18	---
	30-41	BCk1	---	0.5	---	0.2	4.9	100	0.13	8.4	0.17	---
	41-51	BCk2	---	0.8	---	0.2	4.6	100	0.10	8.5	0.16	---
	51-61	BCk3	---	1.0	tr	0.3	5.0	100	0.10	8.3	0.19	---
	61-75	BCk4	---	1.7	0.1	1.1	6.8	100	0.09	8.2	1.67	5.0
	75-80	2BCks	---	2.8	1.0	3.5	7.5	100	0.09	8.3	4.03	14.0
Pernitas (1)	0-7	Ap	---	1.5	1.0	0.1	17.6	100	1.08	8.0	0.63	tr
S91TX-297-002	7-14	Bt1	---	1.4	0.4	0.2	22.0	100	0.93	8.0	0.24	---
	14-20	Bt2	---	1.2	0.4	0.2	21.1	100	0.74	8.1	0.24	---
	20-26	Bt3	---	1.1	0.4	0.1	21.1	100	0.56	8.2	0.22	---
	26-36	Bt4	---	1.3	0.4	0.1	22.7	100	0.50	8.1	0.57	tr
	36-48	Bk1	---	1.1	0.2	0.1	13.4	100	0.30	8.2	0.93	tr
	48-59	Bk2	---	2.0	0.2	0.2	12.8	100	0.17	8.1	0.70	1.0
	59-80	Bk3	---	3.4	0.2	0.3	13.8	100	0.11	8.2	0.21	---
Sarnosa (1)	0-6	Ap	---	1.4	0.6	---	12.2	100	1.14	8.0	0.67	1.0
S91TX-297-004	6-13	Bw1	---	1.7	0.3	---	13.5	100	1.07	8.0	0.69	tr
	13-22	Bw2	---	1.9	0.2	---	13.5	100	0.64	8.0	0.69	tr
	22-34	Bw3	---	1.8	0.1	---	12.4	100	0.41	7.8	1.22	tr
	34-48	Bk1	---	1.8	0.2	---	13.1	100	0.34	8.1	0.20	---
	48-57	Bk2	---	1.5	0.2	---	12.0	100	0.03	8.2	0.21	---
	57-68	Bk3	---	1.2	0.1	---	10.8	100	0.15	8.2	0.19	---
	68-80	Bk4	---	1.6	0.2	---	12.4	100	0.21	8.2	0.19	---
Tiocano (1)	0-8	A	17.8	4.2	1.6	0.2	27.0	88	1.94	8.2	---	---
S92TX-297-002	8-21	Bss1	19.9	5.3	1.4	0.2	28.8	93	0.66	7.1	---	---
	21-38	Bss2	19.5	5.3	1.7	0.4	28.1	96	0.53	7.1	---	---
	38-50	Bss3	18.9	5.2	1.5	0.3	26.5	98	0.35	7.3	---	---
	50-59	Bss4	19.3	5.3	1.6	0.3	26.9	99	0.22	7.7	---	---
	59-70	Bk1	---	5.7	1.5	0.5	26.0	100	0.10	8.2	0.52	1.0
	70-80	Bk2	---	4.2	0.9	0.5	16.7	100	0.07	8.3	---	---
Weesatche (1)	0-6	Ap	18.3	1.8	1.2	0.2	21.7	99	1.81	7.3	1.23	tr
S91TX-297-007	6-9	A	21.1	1.6	0.8	0.2	11.4	100	1.54	7.8	0.70	tr
	9-16	Bt1	27.5	1.6	0.6	0.2	23.8	100	1.30	7.7	0.85	tr
	16-22	Bt2	21.4	1.7	0.3	0.1	22.5	100	0.84	7.9	0.44	tr
	22-29	Bt3	---	2.3	0.3	0.2	20.0	100	0.66	8.1	0.24	---
	29-37	Btk	---	2.4	0.4	0.2	19.1	100	0.46	8.3	0.22	---
	37-52	Bk1	---	2.0	0.5	0.2	11.6	100	0.28	8.2	0.21	---
	52-71	Bk2	---	2.5	0.4	0.3	9.0	100	0.16	8.2	0.62	1.0
	71-80	Bk3	---	3.2	0.4	0.5	8.3	100	0.11	8.2	0.79	2.0

(1) Location of pedon sample is the same as the pedon given as typical for series in "Soil Series and Their Morphology."
(2) Pedon sampled has different surface texture than the map unit in which it is located.

Figure 29.--Clay Mineralogy of Selected Soils

(Analysis by USDA-NRCS National Soil Survey Laboratory, Lincoln, Nebraska. Relative amount: 5--Dominant; 4--Abundant; 3--Moderate; 2--Small; 1--Trace. Dashes indicate that none of the mineral was detected.)

Soil name and sample number	Depth	Horizon	Clay Minerals X-ray Diffraction (<2 microns)					
			Smectite	Mica	Kaolinite	Quartz	Calcite	Vermiculite
	In							
Annarose (1)	0-9	A	4	1	2	---	3	---
S91-TX297-003	25-35	Bk1	5	1	2	---	2	---
	50-69	Cr1	5	1	---	---	---	1
Buchel (1)	0-8	Ap	3	2	1	---	---	---
S92TX-297-005	22-32	Bss1	3	2	2	1	1	2
	42-63	Bss4	3	2	2	1	1	---
Choke (1)	0-4	A1	3	2	1	---	1	---
S91TX-297-005	16-24	Bw2	3	2	---	---	2	---
	34-48	Bk2	2	2	---	---	3	---
	73-80	2Cr	2	2	---	---	1	---
Danjer (1,2)	0-6	A1	2	3	2	---	2	---
S92TX-297-003	27-45	Bss2	2	3	2	1	2	---
Esseville (1)	0-5	A	3	2	1	1	2	---
S92TX-297-004	15-18	Bkssyz1	3	2	---	1	1	---
	32-36	Bcssyz	3	2	---	1	1	---
Lacoste (1)	0-4	A	1	3	2	1	---	---
S91TX-297-006	10-13	Bt2	1	3	2	1	---	---
Lattas (1)	0-6	Ap	3	2	2	2	1	---
S91TX-297-010	24-36	Bss2	3	2	2	3	2	---
	64-80	BCky1	3	2	1	2	2	---
Olmos (1)	0-8	A	3	2	2	---	3	---
S91TX-297-001	30-41	BCk1	3	1	---	---	3	---
	75-80	2BCk5	3	1	---	---	2	---
Pernitas (1)	0-7	Ap	3	3	2	1	2	---
S91TX-297-002	20-26	Bt3	3	2	2	1	3	---
	48-59	Bk2	3	2	2	1	3	---
Sarnosa (1)	0-6	Ap	3	2	2	---	2	---
S91TX-297-004	22-34	Bw3	4	2	2	1	3	---
	57-68	Bk3	4	2	2	1	3	---
Tiocano (1)	0-8	A	3	3	2	1	---	---
S92TX-297-002	21-38	Bss2	3	3	2	1	---	---
Weesatche (1)	0-6	Ap	2	3	2	1	---	---
S91TX-297-007	16-22	Bt2	3	3	2	1	---	---
	37-52	Bk1	2	3	2	---	3	1

(1) Location of pedon sample is the same as the pedon given as typical for series in "Soil Series and Their Morphology."

(2) Pedon sampled has different surface texture than map unit in which it is located.

Table 30.--Taxonomic Classification of the Soils

Soil name	Family or higher taxonomic class
Annarose	Coarse-loamy, mixed, superactive, hyperthermic Aridic Calciustepts
Buchel	Fine, smectitic, hyperthermic Typic Haplusterts
Campbellton	Fine, smectitic, hyperthermic Typic Argiustolls
Choke	Fine-silty, mixed, superactive, hyperthermic Aridic Calciustolls
Clareville	Fine, smectitic, hyperthermic Pachic Argiustolls
Condido	Clayey, smectitic, hyperthermic, shallow Petrocalcic Paleustolls
Conquista	Fine-loamy, mixed, superactive, hyperthermic Entic Haplustolls
Cotulla	Fine, smectitic, hyperthermic Sodic Haplusterts
Coy	Fine, smectitic, hyperthermic Vertic Argiustolls
Danjer	Fine, smectitic, hyperthermic Typic Haplusterts
Ecleto	Clayey, smectitic, hyperthermic, shallow Typic Argiustolls
Eloso	Fine, smectitic, hyperthermic Vertic Haplustolls
Esseville	Fine, smectitic, hyperthermic Sodic Gypsiusterts
Fashing	Clayey, smectitic, hyperthermic, shallow Entic Haplustolls
Goliad	Fine, mixed, active, hyperthermic Petrocalcic Paleustolls
Hindes	Clayey-skeletal, mixed, active, hyperthermic Aridic Argiustolls
Imogene	Fine-loamy, mixed, superactive, hyperthermic Mollic Natrustalfs
Lacoste	Loamy, mixed, active, hyperthermic, shallow Petrocalcic Paleustalfs
Laparita	Fine, smectitic, hyperthermic Vertic Argiustolls
Lattas	Fine, smectitic, hyperthermic Typic Haplusterts
Mata	Loamy-skeletal, mixed, superactive, hyperthermic Aridic Calciustepts
Monteola	Fine, smectitic, hyperthermic Typic Haplusterts
Nusil	Loamy, siliceous, active, hyperthermic Arenic Paleustalfs
Odem	Coarse-loamy, mixed, superactive, hyperthermic Cumulic Haplustolls
Olmos	Loamy-skeletal, carbonatic, hyperthermic, shallow Petrocalcic Calciustolls
Papalote	Fine, smectitic, hyperthermic Typic Paleustalfs
Parrita	Clayey, mixed, active, hyperthermic, shallow Petrocalcic Paleustolls
Pavelek	Clayey, smectitic, hyperthermic, shallow Petrocalcic Calciustolls
Pernitas	Fine-loamy, mixed, superactive, hyperthermic Typic Argiustolls
Pettus	Loamy-skeletal, carbonatic, hyperthermic Typic Calciustolls
Picosa	Loamy, mixed, superactive, hyperthermic, shallow Entic Haplustolls
Rhymes	Loamy, siliceous, active, hyperthermic Grossarenic Paleustalfs
Rosenbrock	Fine, smectitic, hyperthermic Typic Haplusterts
Sancajo	Loamy-skeletal, mixed, superactive, hyperthermic, shallow Petrocalcic Calciustolls
Sarnosa	Coarse-loamy, mixed, superactive, hyperthermic Typic Calciustolls
Schattel	Fine, smectitic, hyperthermic Vertic Calciustepts
Sinton	Fine-loamy, mixed, superactive, hyperthermic Cumulic Haplustolls
Tiocano	Fine, smectitic, hyperthermic Udic Haplusterts
Weesatche	Fine-loamy, mixed, superactive, hyperthermic Typic Argiustolls