

Table 12.--Engineering Index Properties

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

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments 3-10 inches	Percentage passing sieve number--				Liquid limit Pct	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
AmA----- Amagon	0-3	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-34	4-14
	3-15	Silt loam-----	CL-ML, ML, CL	A-4	0	100	100	85-100	70-90	<30	3-9
	15-53	Silt loam, silty clay loam, loam.	CL	A-6, A-4, A-7	0	100	100	85-100	60-95	28-43	9-21
	53-80	Silt loam, loam, fine sandy loam, silty clay loam.	CL, CL-ML, SC-SM, SC	A-4, A-6	0	100	100	70-100	40-95	23-39	6-18
AsB----- Askew	0-5	Fine sandy loam	SM, SC-SM	A-4	0	100	100	70-85	40-50	<20	NP-5
	5-26	Silty clay loam, silt loam, clay loam, loam.	CL, CL-ML	A-6, A-4	0	100	100	85-100	60-95	23-38	7-15
	26-41	Sandy loam, fine sandy loam, loam.	SM, CL-ML, ML, SC-SM, SC, CL	A-2, A-4	0	100	100	60-95	30-75	<25	3-8
	41-72	Sandy loam, loamy sand, loamy fine sand, sand.	SM, SP-SM	A-2, A-3, A-4	0	100	100	50-70	5-40	<20	NP-3
BsA, BsB, BsC----- Bosket	0-10	Loam-----	CL, ML, CL-ML	A-4	0	100	100	85-95	60-75	<25	3-8
	10-20	Fine sandy loam, sandy loam, loam.	SC-SM, SC, CL-ML, CL	A-2, A-4	0	100	100	60-95	30-75	<25	4-8
	20-40	Sandy clay loam, clay loam, loam.	SC, SC-SM, CL, CL-ML	A-4, A-6	0	100	100	80-100	35-80	23-34	7-13
	40-51	Fine sandy loam, sandy loam, loam.	SM, SC-SM, SC, ML, CL-ML, CL	A-2, A-4	0	100	100	60-95	30-75	<25	3-8
	51-80	Fine sandy loam, sandy loam, fine sand, loamy sand.	SM, SC-SM	A-2, A-4, A-3	0	100	100	50-85	15-50	<20	NP-5
BuC----- Bulltown	0-8	Loamy fine sand	SM	A-2, A-4	0	100	100	70-85	30-45	<20	NP
	8-26	Loamy fine sand, loamy sand.	SM	A-2, A-4	0	100	100	50-85	15-45	<20	NP
	26-51	Fine sandy loam, sandy clay loam, loam.	SC-SM, SC, CL-ML, CL	A-4, A-6	0	100	100	70-95	40-75	20-30	5-11
	51-69	Fine sandy loam, loamy fine sand, loamy sand, sandy loam.	SM, SC-SM	A-2, A-4	0	100	100	50-85	15-50	<25	NP-7
	69-80	Loamy sand, loamy fine sand, fine sand, sand.	SM, SP-SM	A-2, A-3	0	100	100	50-85	5-45	<20	NP
CaA----- Calhoun	0-6	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-32	4-13
	6-16	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-32	4-13
	16-54	Silty clay loam, silt loam.	CL	A-6	0	100	100	90-100	70-95	30-40	11-20
	54-72	Silt loam, silty clay loam.	CL, CL-ML	A-6, A-4	0	100	100	90-100	70-95	21-39	4-18

See footnote at end of table.

Table 12.--Engineering Index Properties--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments 3-10 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
In											
ClA, ClB----- Calloway	0-5	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-32	4-13
	5-8	Silt loam, silt	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<30	NP-9
	8-18	Silt loam, silty clay loam.	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-95	21-39	4-18
	18-23	Silt loam, silt	ML, CL-ML	A-4	0	100	100	90-100	70-100	<25	NP-7
	23-42	Silt loam, silty clay loam.	CL	A-6, A-4	0	100	100	90-100	70-95	26-40	8-20
	42-72	Silt loam, silty clay loam.	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-95	21-40	4-20
DbA, DbB, DbC---- Dubbs	0-5	Silt loam-----	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<30	3-8
	5-12	Silt loam, loam	ML, CL-ML, CL	A-4	0	100	100	85-100	60-90	<30	3-8
	12-50	Silty clay loam, clay loam, silt loam, loam.	CL	A-6	0	100	100	85-100	60-95	30-40	11-20
	50-60	Loam, silt loam, very fine sandy loam.	CL-ML, CL	A-4, A-6	0	100	100	85-100	50-90	21-34	4-14
	60-72	Loam, fine sandy loam, sandy loam, loamy fine sand.	ML, CL-ML, SM, SC-SM	A-2, A-4	0	100	100	60-95	25-75	<25	NP-7
DuA----- Dundee	0-6	Silt loam-----	CL, CL-ML	A-4, A-6	0	100	100	90-100	70-90	21-32	4-13
	6-32	Silty clay loam, clay loam, silt loam.	CL	A-6, A-7, A-4	0	100	100	90-100	70-95	28-43	9-21
	32-72	Loam, very fine sandy loam, silt loam.	CL, CL-ML	A-4, A-6	0	100	100	85-100	50-90	23-35	6-15
FbA*: Foley-----	0-9	Silt loam-----	CL, CL-ML	A-4, A-6	0	100	100	90-100	70-90	21-30	4-11
	9-20	Silt loam, silt	CL, CL-ML, ML	A-4	0	100	100	90-100	70-100	<30	NP-9
	20-67	Silty clay loam, silt loam.	CL	A-6, A-7	0	100	100	90-100	70-95	30-48	11-25
	67-80	Silt loam, silty clay loam.	ML, CL-ML, CL	A-4, A-6	0	100	100	90-100	70-95	20-39	3-18
Bonn-----	0-5	Silt loam-----	CL, CL-ML	A-4, A-6	0	100	100	90-100	70-90	21-30	4-11
	5-9	Silt loam-----	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<28	NP-9
	9-55	Silt loam, silty clay loam.	CL	A-6, A-7, A-4	0	95-100	90-100	90-100	70-95	28-43	9-21
	55-72	Silt loam, silty clay loam.	CL, CL-ML	A-6, A-4	0	100	95-100	90-100	70-95	25-39	7-18
FdA----- Forestdale	0-6	Silty clay loam	CL, CH	A-7	0	100	100	95-100	85-95	42-56	22-33
	6-58	Silty clay, silty clay loam.	CH	A-7	0	100	100	95-100	85-95	50-66	28-41
	58-72	Silty clay loam, silt loam.	CL	A-6, A-7, A-4	0	100	100	90-100	70-95	26-50	9-28

See footnote at end of table.

Table 12.--Engineering Index Properties--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments 3-10 inches	Percentage passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
GrB, GrC----- Grenada	0-4	Silt loam-----	ML, CL-ML	A-4, A-6	0	100	100	90-100	70-90	<30	3-11
	4-22	Silt loam, silty clay loam.	CL	A-6, A-4	0	100	100	90-100	70-95	27-40	9-18
	22-24	Silt loam, silt	CL-ML, CL	A-4	0	100	100	90-100	70-100	<25	NP-7
	24-50	Silt loam, silty clay loam.	CL, CL-ML	A-6, A-4	0	100	100	90-100	70-95	25-40	7-20
	50-72	Silt loam, silty clay loam.	CL, CL-ML	A-6, A-4	0	100	100	90-100	70-95	25-40	7-20
GuB, GuC----- Grubbs	0-5	Silt loam-----	ML, CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	20-30	3-11
	5-26	Clay, silty clay, silty clay loam.	CH, CL	A-6, A-7	0	100	100	90-100	85-95	39-66	18-39
	26-52	Silty clay, silty clay loam, silt loam.	CH, CL	A-7, A-6	0	100	100	90-100	70-95	34-57	14-32
	52-64	Silty clay loam, silt loam.	CL	A-6, A-7	0	100	100	90-100	70-95	30-48	11-25
	64-76	Silty clay loam, silt loam.	CL-ML, CL	A-6, A-4	0	100	100	90-100	70-95	25-39	7-18
HeA----- Henry	0-6	Silt loam-----	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<30	3-9
	6-22	Silt loam-----	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<30	NP-9
	22-60	Silty clay loam, silt loam.	CL	A-4, A-6	0	100	100	90-100	70-95	28-40	9-20
	60-72	Silt loam-----	ML, CL-ML, CL	A-4	0	100	100	90-100	70-90	<30	3-10
HmA, HmB----- Hillemann	0-8	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	20-30	4-11
	8-15	Silt loam, silt	ML, CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	<30	3-11
	15-23	Silty clay loam, silty clay.	CL, CH	A-6, A-7	0	100	100	95-100	85-95	35-52	15-28
	23-28	Silty clay loam, silty clay, silt loam.	CL, CH	A-6, A-7	0	100	100	90-100	70-95	34-52	14-28
	28-80	Silt loam, silty clay loam.	CL	A-6, A-7	0	100	100	90-100	70-95	30-48	11-25
JpA----- Jackport	0-5	Silty clay loam	CL, CH	A-7	0	100	100	95-100	85-95	42-56	22-33
	5-12	Clay, silty clay	CH	A-7	0	100	100	90-100	75-95	56-76	33-49
	12-58	Clay, silty clay	CH	A-7	0	100	100	90-100	75-95	56-76	33-49
	58-72	Silty clay, silty clay loam.	CH, CL	A-7	0	100	100	95-100	85-95	42-66	22-41
KbA, KlA, KoA---- Kobel	0-4	Silty clay loam	CL, CH	A-7	0	100	100	95-100	85-95	42-56	22-33
	4-60	Clay, silty clay, silty clay loam.	CH	A-7	0	100	100	95-100	75-95	50-76	28-49
	60-72	Sandy clay, silty clay, silty clay loam, clay loam.	CH, CL	A-7	0	100	100	85-95	150-95	46-66	25-41
LfA----- Lafe	0-4	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-35	4-15
	4-8	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-90	21-35	4-15
	8-22	Silt loam, silty clay loam.	CL	A-4, A-6, A-7	0	100	100	90-100	70-95	28-43	9-21
	22-72	Silt loam, silty clay loam.	CL	A-6, A-7	0	100	100	90-100	70-95	30-48	11-25

See footnote at end of table.

Table 12.--Engineering Index Properties--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments 3-10 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
Lv----- Levee	0-60	Variable-----	---	---	---	---	---	---	---	---	---
McA----- McCrorry	0-7	Fine sandy loam	SM, SC-SM	A-4	0	100	100	70-85	40-50	<25	NP-7
	7-15	Fine sandy loam	SM, SC-SM	A-4	0	100	100	70-85	40-50	<20	NP-5
	15-70	Sandy clay loam, fine sandy loam, loam.	SC, CL, CL-ML, SC-SM	A-4, A-6	0	100	100	70-95	40-75	20-38	5-15
	70-98	Loamy fine sand, fine sandy loam, loam, sandy loam, fine sand.	SM, SC-SM	A-4, A-2	0	100	100	50-85	15-50	<25	NP-7
OaB----- Oaklimeter	0-6	Silt loam-----	ML, CL, CL-ML	A-4	0	100	100	90-100	70-90	<25	NP-8
	6-30	Silt loam, loam	ML, CL, CL-ML	A-4	0	100	100	85-100	60-90	<30	NP-9
	30-72	Silt loam, silty clay loam, loam.	CL, CL-ML	A-4, A-6	0	100	100	85-100	60-95	21-41	4-20
OvA----- Overcup	0-4	Silt loam-----	CL	A-4, A-6	0	100	100	90-100	70-90	30-43	12-22
	4-8	Silt loam-----	CL	A-4, A-6	0	100	100	90-100	70-90	28-43	11-22
	8-61	Silty clay, clay	CH	A-7	0	100	100	90-100	75-95	56-76	33-49
	61-72	Silty clay, silty clay loam.	CL, CH	A-7	0	100	100	95-100	85-95	43-66	22-41
PaB----- Patterson	0-10	Fine sandy loam	SM, SC-SM	A-4	0	100	100	70-85	40-50	<25	NP-7
	10-33	Fine sandy loam, sandy loam, loamy fine sand.	SM, SC-SM	A-2, A-4	0	100	100	70-85	25-50	<20	NP-6
	33-53	Sandy clay loam, sandy loam, fine sandy loam.	SC	A-2, A-4, A-6	0	100	100	60-90	30-50	28-39	9-18
	53-67	Fine sandy loam, loam, sandy loam.	SC-SM, SC	A-2, A-4	0	100	100	60-85	30-50	20-30	4-11
	67-90	Loamy fine sand, sandy loam, fine sandy loam, fine sand.	SM, SC-SM	A-2, A-4	0	100	100	65-85	20-50	<25	NP-7
TaB, TbB----- Taylorbay	0-25	Silt loam-----	CL, CL-ML	A-4, A-6	0	100	100	90-100	70-90	28-35	7-15
	25-56	Silt loam, silty clay loam.	CL	A-4, A-6 A-7	0	100	100	90-100	70-95	28-43	9-21
	56-72	Silt loam, silty clay loam, clay loam, loam.	CL	A-6, A-7	0	100	100	85-100	60-95	30-48	11-25
TcA----- Tichnor	0-6	Silt loam-----	CL-ML, CL	A-4, A-6	0	100	100	90-100	70-95	20-35	4-15
	6-27	Silt loam, silt	ML, CL-ML, CL	A-4, A-6	0	100	100	90-100	70-100	<35	NP-15
	27-72	Silt loam, silty clay loam.	CL, CL-ML	A-4, A-6, A-7	0	100	100	90-100	70-95	25-48	7-25
TiB, TpB----- Tipp	0-10	Silty clay loam	CL	A-6, A-7,	0	100	100	95-100	85-95	35-43	15-21
	10-47	Silty clay, silty clay loam.	CL, CH	A-7	0	100	100	95-100	85-95	43-57	21-32
	47-77	Silty clay loam, silty clay.	CL, CH	A-6, A-7	0	100	100	95-100	80-95	39-52	18-28

See footnote at end of table.

Table 12.--Engineering Index Properties--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag- ments 3-10 inches	Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
In											
TrA----- Tuckerman	0-7	Loam-----	ML, CL-ML, CL	A-4	0	100	100	85-95	60-75	20-30	3-11
	7-18	Fine sandy loam, loam.	ML, CL-ML, SM, SC-SM	A-4	0	100	100	70-95	40-75	<25	NP-7
	18-48	Sandy clay loam, loam, clay loam.	CL, SC A-7	A-4, A-6	0	100	100	80-100	35-80	28-43	9-21
	48-57	Fine sandy loam, loam, sandy loam.	CL-ML, CL, SC-SM, SC	A-2-4, A-4	0	100	100	60-95	30-75	20-30	4-11
	57-86	Loamy fine sand, loam, sandy loam, sand.	SM, SC-SM, CL-ML, SP-SM	A-2-4, A-4	0	100	100	50-95	5-75	<30	NP-9
TuA----- Tuckerman	0-6	Silty clay loam	CL	A-6, A-7-6	0	100	100	95-100	85-95	35-48	15-25
	6-18	Fine sandy loam, loam.	ML, CL-ML, SM, SC-SM	A-4	0	100	100	70-95	40-75	<25	NP-7
	18-48	Sandy clay loam, loam, clay loam.	CL, SC A-7	A-4, A-6, A-7	0	100	100	80-100	35-80	28-43	9-21
	48-57	Fine sandy loam, loam, sandy loam.	CL-ML, CL, SC-SM, SC	A-2-4, A-3, A-4	0	100	100	60-95	30-75	20-30	4-11
	57-86	Loamy fine sand, loam, sandy loam, sand.	SM, SC-SM, SP-SM, CL-ML	A-2-4, A-3, A-4	0	100	100	50-95	5-75	<30	NP-9
W*. Water											
WvA, WvB, WvC---- Wiville	0-11	Fine sandy loam	SM	A-4	0	100	100	70-85	40-50	<20	NP-3
	11-18	Fine sandy loam, sandy loam, loam.	SM, SC-SM, ML, CL-ML	A-2, A-4	0	100	100	60-95	30-75	<20	NP-5
	18-56	Fine sandy loam, loam, sandy clay loam, clay loam.	SC-SM, SC, CL-ML, CL	A-4, A-6	0	100	100	70-100	35-80	16-34	3-13
	56-64	Fine sandy loam, sandy loam, loamy sand, loamy fine sand.	SM, SC-SM	A-2, A-4	0	100	100	50-85	15-50	<25	NP-7
	64-80	Loamy fine sand, loamy sand, fine sand, sand.	SM, SP-SM	A-2, A-4, A-3	0	100	100	50-85	5-50	<20	NP
YaB, YpB----- Yancopin	0-4	Silty clay loam	CL	A-6, A-7	0	100	100	95-100	85-95	35-48	15-25
	4-56	Silt loam, silty clay loam.	CL	A-6, A-7	0	100	100	90-100	70-95	30-48	11-25
	56-76	Silty clay loam, silt loam, loam.	CL	A-6, A-7	0	100	100	85-100	60-95	30-48	11-25

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