Humacao Area, Puerto Rico Eastern Part 03/15/2002

Engineering Index Properties

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

Map symbol and soil name	Horizon	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	
AcC:													
Aceitunas-------	H1	0-10	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	34-43	13-18
	H2	10-60	Clay	MH	A-7-5	0	0	100	100	90-100	75-95	56-72	25-35
Ad:													
Aguadilla-------	H1	0-8	Loamy sand	SM	A-2-4	0	0	100	100	50-75	15-30	0-20	NP
	H2	8-58	Sand	SM, SP-SM	A-2-4, A-3	0	0	100	100	50-70	5-15	0-20	NP
Ag:													
Aguadilla-------	H1	0-8	Sandy loam	SC, SC-SM	A-2-4, A-4	0	0	100	100	60-70	30-40	21-26	4-8
	H2	8-60	Sand	SM, SP-SM	A-2-4, A-3	0	0	100	100	50-70	5-15	0-20	NP
Unnamed---------		---	---	---	---	---	---	---	---	---	---	---	---
AmB:													
Amelia----------	H1	0-7	Gravelly clay loam	CL, GC, SC	A-7	0	0	65-85	50-75	45-65	35-60	44-48	22-25
	H2	7-14	Gravelly clay loam, gravelly clay, clay loam	CH, CL, GC, SC	A-7	---	0-15	60-100	50-95	45-95	35-75	44-57	22-32
	H3	14-23	Very gravelly clay	GC	A-2-7, A-7	---	0-15	40-55	30-50	30-50	25-45	48-57	25-32
	H4	23-60	Very gravelly clay loam, very gravelly clay, extremely gravelly clay	GC	A-2-6, A-2-7	---	0-15	30-45	20-40	20-40	15-35	39-57	18-32

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
AmC2:													
Amelia----------	H1	0-6	Gravelly clay loam	CL, GC, SC	A-7	0	0	65-85	50-75	45-65	35-60	44-48	22-25
	H2	6-12	Gravelly clay loam, gravelly clay, clay loam	CH, CL, GC, SC	A-7	---	0-15	60-100	50-95	45-95	35-75	44-57	22-32
	H3	12-22	Very gravelly clay	GC	A-2-7, A-7	---	0-15	40-55	30-50	30-50	25-45	48-57	25-32
	H4	22-60	Very gravelly clay loam, very gravelly clay, extremely gravelly clay	GC	A-2-6, A-2-7	---	0-15	30-45	20-40	20-40	15-35	39-57	18-32
An:													
Arenales--------	H1	0-8	Sandy loam	SM	A-4	0	0	100	85-100	55-80	36-50	0-14	NP
	H2	8-24	Loamy sand	SM	A-1-b, A-2-4	0	0	100	85-100	40-50	20-35	0-14	NP
	H3	24-31	Coarse sand	SP, SP-SM	A-1-b	0	0	100	85-100	20-30	2-10	0-14	NP
	H4	31-42	Sand	SM, SP-SM	A-1-b	0	0	100	85-100	35-45	5-15	0-14	NP
	H5	42-60	Very gravelly coarse sand	SP, SP-SM, SW	A-1-a	0	0	65-85	30-50	10-20	2-5	0-14	NP
Ar:													
Arenales--------	H1	0-8	Sandy loam	SM	A-4	0	0	100	85-100	55-80	36-50	0-14	NP
	H2	8-24	Loamy sand	SM	A-1-b, A-2-4	0	0	100	85-100	40-50	20-35	0-14	NP
	H3	24-30	Coarse sand	SP, SP-SM	A-1-b	0	0	100	85-100	20-30	2-10	0-14	NP
	H4	30-60	Very gravelly coarse sand	SP, SP-SM, SW	A-1-a	0	0	65-85	30-50	10-20	2-5	0-14	NP
Ba:													
Bajura----------	H1	0-5	Silty clay	CH	A-7-6	0	0	100	100	95-100	90-95	66-76	41-49
	H2	5-60	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	60-76	36-49

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Bc:													
Bajura---------	H1	0-5	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	66-76	41-49
	H2	5-66	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	60-76	36-49
CbD2:													
Caguabo---------	H1	0-5	Clay loam	CL	A-6, A-7-6	0	0	80-100	75-100	75-100	50-80	35-43	15-21
	H2	5-10	Very gravelly clay loam, very gravelly silty clay loam	GC	A-2-6, A-2-7	0	0	35-50	30-45	25-45	20-35	35-43	15-21
	H3	10-18	Weathered bedrock			---	---	---	---	---	---	---	---
	H4	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
CbF2:													
Caguabo---------	H1	0-4	Clay loam	CL	A-6, A-7-6	0	0	80-100	75-100	75-100	50-80	35-43	15-21
	H2	4-10	Very gravelly clay loam, very gravelly silty clay loam	GC	A-2-6, A-2-7	0	0	35-50	30-45	25-45	20-35	35-43	15-21
	H3	10-16	Weathered bedrock			---	---	---	---	---	---	---	---
	H4	16-20	Unweathered bedrock			---	---	---	---	---	---	---	---
CdB:													
Candelero-------	H1	0-9	Loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0	100	100	60-95	30-75	21-28	4-9
	H2	9-26	Sandy clay loam	CL, SC	A-6, A-7	0	0	100	100	80-90	45-60	35-43	15-21
	H3	26-60	Sandy clay loam, sandy clay	CL, SC	A-6, A-7	0	0	100	100	80-95	35-60	30-46	11-23

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
CdC2:													
Candelero-------	H1	0-7	Loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0	100	100	60-95	30-75	21-28	4-9
	H2	7-24	Sandy clay loam	CL, SC	A-6, A-7	0	0	100	100	80-90	45-60	35-43	15-21
	H3	24-64	Sandy clay loam, sandy clay	CL, SC	A-6, A-7	0	0	100	100	80-95	35-60	30-46	11-23
Ce:													
Cartagena-------	H1	0-10	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	60-66	36-41
	H2	10-19	Clay	CH	A-7-6	0	0	100	100	90-100	85-95	66-76	41-49
	H3	19-60	Clay	CH	A-7-6	0	0	100	100	90-100	85-95	66-76	41-49
Cf:													
Catano----------	H1	0-8	Loamy sand	SM	A-2-4	0	0	100	100	50-75	15-30	0-20	NP
	H2	8-60	Sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-70	5-15	0-20	NP
CgC2:													
Cayagua---------	H1	0-4	Sandy loam	CL, CL-ML, SC, SC-SM	A-2-4, A-2-6, A-4, A-6	0	0	100	100	60-90	30-60	21-39	4-18
	H2	4-20	Clay, sandy clay	CH, CL	A-7-6	0	0	100	100	85-100	50-95	48-64	25-37
	H3	20-60	Sandy loam, sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	60-90	35-60	21-39	4-18
CgD2:													
Cayagua---------	H1	0-2	Sandy loam	CL, CL-ML, SC, SC-SM	A-2-4, A-2-6, A-4, A-6	0	0	100	100	60-90	30-60	21-39	4-18
	H2	2-18	Clay, sandy clay	CH, CL	A-7-6	0	0	100	100	85-100	50-95	48-64	25-37
	H3	18-60	Sandy loam, sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	60-90	35-60	21-39	4-18

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
ClB:													
Coamo----------	H1	0-15	Clay loam	CL	A-7-6	0	0	100	100	90-100	70-80	41-48	20-25
	H2	15-25	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	57-64	32-37
	H3	25-38	Gravelly clay	SC	A-7-6	0	0	80-90	70-80	50-70	40-50	52-59	28-34
	H4	38-48	Stratified gravelly clay loam	GC, GC-GM, SC, SC-SM	A-2	0	0-10	60-70	40-50	30-45	25-35	21-30	4-11
ClC:													
Coamo----------	H1	0-15	Clay loam	CL	A-7-6	0	0	100	100	90-100	70-80	41-48	20-25
	H2	15-25	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	57-64	32-37
	H3	25-38	Gravelly clay	SC	A-7-6	0	0	80-90	70-80	50-70	40-50	52-59	28-34
	H4	38-48	Stratified gravelly clay loam	GC, GC-GM, SC, SC-SM	A-2	0	0-10	60-70	40-50	30-45	25-35	21-30	4-11
Urban Land------		---	---	---	---	---	---	---	---	---	---	---	---
Cm:													
Coastal Beaches-	H1	0-6	Sand	SP	A-1, A-3	0	0	100	75-100	5-85	0-5	0-14	NP
	H2	6-80	Coarse sand, sand, fine sand	SP	A-1, A-3	0	0	100	75-100	5-85	0-5	0-14	NP
Cn:													
Cobbly Alluvial Land----------		---	---	---	---	---	---	---	---	---	---	---	---
Co:													
Coloso----------	H1	0-9	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	39-48	18-25
	H2	9-60	Silty clay loam, silty clay, clay	CH, CL	A-7-6	0	0	100	100	95-100	75-95	43-61	21-35

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Cr:													
Coloso----------	H1	0-7	Silty clay	CH, CL	A-7-6	0	0	100	100	95-100	90-95	48-61	25-35
	H2	7-60	Silty clay loam, silty clay, clay	CH, CL	A-7-6	0	0	100	100	95-100	75-95	43-61	21-35
Cs:													
Corcega---------	H1	0-8	Sandy loam	SC, SC-SM	A-2	0	0	100	100	60-70	30-35	21-30	4-11
	H2	8-14	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H3	14-32	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	80-90	36-55	30-43	11-21
	H4	32-50	Sand	SM, SP-SM	A-2-4, A-3	0	0	100	100	50-70	5-15	0-14	NP
DaC:													
Daguao Variant--	H1	0-11	Silty clay loam	CL	A-6, A-7-6	0	0	95-100	90-100	85-100	75-95	38-43	15-18
	H2	11-35	Clay	CL	A-7-6	0	0	95-100	90-100	85-100	75-95	43-50	18-23
	H3	35-45	Silty clay loam	CL	A-6, A-7-6	0	0	95-100	90-100	85-100	75-95	36-43	14-18
	H4	45-49	Weathered bedrock			---	---	---	---	---	---	---	---
DcE2:													
Daguao----------	H1	0-34	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	43-70	18-32
	H2	34-40	Unweathered bedrock			---	---	---	---	---	---	---	---
DeC2:													
Descalabrado----	H1	0-7	Clay loam	CH	A-7	0	0	100	100	100	70-80	50-56	28-33
	H2	7-18	Gravelly clay, gravelly clay loam	CH, SC	A-7	0	0	100	50-75	45-75	35-70	50-68	28-43
	H3	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
DeE2:													
Descalabrado----	H1	0-6	Clay loam	CH	A-7	0	0	100	100	100	70-80	50-56	28-33
	H2	6-19	Gravelly clay, gravelly clay loam	CH, SC	A-7	0	0	100	50-75	45-75	35-70	50-68	28-43
	H3	19-23	Unweathered bedrock			---	---	---	---	---	---	---	---
DgF2:													
Descalabrado----	H1	0-5	Clay loam	CH	A-7	0	0	100	100	100	70-80	50-56	28-33
	H2	5-12	Gravelly clay, gravelly clay loam	CH, SC	A-7	0	0	100	50-75	45-75	35-70	50-68	28-43
	H3	12-16	Unweathered bedrock			---	---	---	---	---	---	---	---
Guayama---------	H1	0-5	Clay loam	CL	A-7-6	0	0	100	75-100	70-100	55-80	43-46	21-23
	H2	5-18	Gravelly clay, gravelly clay loam, clay	CH, CL, GC, SC	A-2, A-7-6	0	0	50-100	50-100	40-100	20-80	41-53	20-29
	H3	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
DrF:													
Descalabrado----	H1	0-5	Clay loam	CH	A-7	0	0	100	100	100	70-80	50-56	28-33
	H2	5-12	Gravelly clay, gravelly clay loam	CH, SC	A-7	0	0	100	50-75	45-75	35-70	50-68	28-43
	H3	12-16	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Land-------	H1	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
FaC:													
Fajardo---------	H1	0-9	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-37
	H2	9-60	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-37
FaC2:													
Fajardo---------	H1	0-6	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-37
	H2	6-60	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-37
Fo:													
Fortuna---------	H1	0-5	Clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-38
	H2	5-77	Clay, silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-64	25-38
FrA:													
Fraternidad-----	H1	0-13	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	66-76	41-49
	H2	13-18	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	70-76	44-49
	H3	18-31	Clay, gravelly clay	CH, GC, SC	A-7	0	0	60-100	50-100	45-100	40-95	66-76	41-49
	H4	31-50	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	66-76	41-49
FrB:													
Fraternidad-----	H1	0-13	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	66-76	41-49
	H2	13-18	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	70-76	44-49
	H3	18-31	Clay, gravelly clay	CH, GC, SC	A-7	0	0	60-100	50-100	45-100	40-95	66-76	41-49
	H4	31-50	Clay	CH	A-7	0	0	85-100	75-100	65-100	60-95	66-76	41-49
Gm:													
Guamani---------	H1	0-6	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	80-100	65-85	35-43	15-21
	H2	6-20	Silty clay loam, clay loam, loam	CL	A-6, A-7-6	0	0	100	95-100	80-100	60-85	35-43	15-21
	H3	20-60	Stratified sand and gravel	GP, GW, SP, SW	A-1	0-1	5-15	50-60	30-40	20-30	2-5	0-14	NP

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
GuE2:													
Guayabota-------	H1	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H2	5-14	Silty clay	CH, CL	A-7	0	0	100	100	95-100	90-95	48-66	25-39
	H3	14-18	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H4	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
GvF:													
Guayabota-------	H1	0-5	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H2	5-14	Silty clay	CH, CL	A-7	0	0	100	100	95-100	90-95	48-66	25-39
	H3	14-18	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H4	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
Ciales----------	H1	0-7	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	34-41	13-17
	H2	7-33	Clay, silty clay	CH, CL, MH, ML	A-7-6	0	0	100	100	90-100	75-95	43-52	18-23
	H3	33-41	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-41	14-17
	H4	41-48	Silt loam	CL	A-4, A-6	0	0	100	100	90-100	70-90	27-30	9-11
	H5	48-60	Silty clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-38	11-15
Picacho---------	H1	0-9	Silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	100	100	90-100	70-95	34-64	13-30
	H2	9-35	Clay, silty clay	CH, CL, MH, ML	A-7	0	0-10	100	100	90-100	75-95	43-78	18-38
	H3	35-65	Clay loam, silty clay loam	CL	A-6, A-7-6	0	0-10	100	100	90-100	70-95	31-43	12-18
	H4	65-72	Loam	CL	A-4, A-6	0	0-10	100	100	80-95	60-75	23-31	7-12
GyC2:													
Guayama Variant-	H1	0-8	Clay loam	CL	A-7	0	0	90-100	85-100	75-100	60-80	43-48	21-25
	H2	8-26	Clay	CH, CL	A-7	0	0	90-100	85-100	75-100	65-95	48-57	25-32
	H3	26-30	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
HmB:													
Humacao---------	H1	0-14	Loam	CL	A-4, A-6	0	0	100	100	85-95	60-75	28-35	9-15
	H2	14-55	Sandy clay loam, clay loam, loam	CL	A-6, A-7-6	0	0	100	100	80-90	70-80	32-43	13-21
HtE2:													
Humatas---------	H1	0-5	Clay	MH	A-7-5, A-7-6	0	0	100	100	90-100	85-95	52-65	23-30
	H2	5-27	Clay, silty clay	MH	A-7-5	0	0	100	100	90-100	85-95	61-72	28-36
	H3	27-60	Silty clay loam, silty clay, clay	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-47	14-20
HtF2:													
Humatas---------	H1	0-4	Clay	MH	A-7-5, A-7-6	0	0	100	100	90-100	85-95	52-65	23-30
	H2	4-25	Clay, silty clay	MH	A-7-5	0	0	100	100	90-100	85-95	61-72	28-36
	H3	25-60	Silty clay loam, silty clay, clay	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-47	14-20
HuF:													
Humatas---------	H1	0-4	Clay	MH	A-7-5, A-7-6	0	0	100	100	90-100	85-95	52-65	23-30
	H2	4-25	Clay, silty clay	MH	A-7-5	0	0	100	100	90-100	85-95	61-72	28-36
	H3	25-60	Silty clay loam, silty clay, clay	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-47	14-20
Stony Land------	H1	0-60	Fragmental material	GP	A-1	70-80	75-90	0-10	0-5	0-5	0	0-14	NP

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
InE2:													
Ingenio---------	H1	0-7	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	34-43	13-18
	H2	7-40	Silty clay, clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	43-56	18-25
	H3	40-51	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	32-43	12-18
	H4	51-76	Silt loam	CL, CL-ML	A-4	0	0	100	100	90-100	70-90	16-25	4-8
JaB:													
Jacana----------	H1	0-5	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	52-57	28-32
	H2	5-21	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	52-66	28-39
	H3	21-26	Clay loam, sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	70-80	40-60	35-43	15-21
	H4	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
JaC2:													
Jacana----------	H1	0-5	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	52-57	28-32
	H2	5-21	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	52-66	28-39
	H3	21-26	Clay loam, sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	70-80	40-60	35-43	15-21
	H4	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
JgE2:													
Jagueyes--------	H1	0-8	Loam	CL, ML, SC, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	16-25	3-8
	H2	8-14	Sandy clay loam	SC	A-4, A-6	0	0	100	100	80-90	36-50	25-38	8-15
	H3	14-37	Clay loam, sandy clay loam	CL, SC	A-4, A-6, A-7-6	0	0	100	100	80-100	35-80	25-43	8-18
	H4	37-52	Sandy clay loam, clay loam	CL, SC	A-4, A-6, A-7-6	0	0	100	100	80-100	35-80	25-43	8-18

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
JgE2:													
Jagueyes--------	H5	52-95	Loam, sandy loam, sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-2-6, A-4, A-6	0	0	100	100	60-95	30-75	20-34	5-13
JuC:													
Junquitos-------	H1	0-7	Gravelly clay loam	CL, GC, SC	A-6, A-7-6	0	0	65-75	60-70	55-70	40-55	35-48	15-25
	H2	7-35	Clay	CH, CL	A-7-6	0	0	90-95	85-90	75-85	65-85	48-66	25-39
	H3	35-39	Weathered bedrock			---	---	---	---	---	---	---	---
LeE2:													
Limones---------	H1	0-5	Silty clay	MH	A-7-5, A-7-6	0	0	100	100	90-100	75-95	52-70	23-34
	H2	5-40	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	70-80	43-70	18-34
	H3	40-54	Clay, clay loam	MH	A-7-5, A-7-6	0	0	100	100	90-100	75-95	52-70	23-34
	H4	54-99	Silty clay loam, clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	34-43	13-18
LoC2:													
Lirios----------	H1	0-5	Clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-43	14-18
	H2	5-25	Clay, silty clay	MH	A-7-5	0	0	100	100	90-100	75-95	54-65	24-31
	H3	25-60	Silty clay loam, clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-38	11-15
LrE2:													
Lirios----------	H1	0-4	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	36-43	14-18
	H2	4-23	Clay, silty clay	MH	A-7-5	0	0	100	100	90-100	75-95	54-65	24-31
	H3	23-60	Silty clay loam, clay loam	CL	A-6	0	0	100	100	95-100	85-95	30-38	11-15

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
LsD:													
Los Guineos-----	H1	0-6	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	30-43	11-18
	H2	6-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	47-61	20-28
LsE2:													
Los Guineos-----	H1	0-5	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	30-43	11-18
	H2	5-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	47-61	20-28
LsF2:													
Los Guineos-----	H1	0-5	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	30-43	11-18
	H2	5-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	47-61	20-28
LyF:													
Los Guineos-----	H1	0-5	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	30-43	11-18
	H2	5-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	47-61	20-28
Yunque----------	H1	0-8	Silty clay	MH	A-7	0	0	100	100	90-100	75-98	56-68	18-24
	H2	8-68	Silty clay, clay, clay loam	MH	A-7	0	0-5	95-100	95-100	90-100	75-98	55-75	18-25
MaB:													
Mabi----------	H1	0-6	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H2	6-18	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H3	18-56	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
MaC2:													
Mabi----------	H1	0-6	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H2	6-20	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H3	20-60	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
MaD2:													
Mabi----------	H1	0-5	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H2	5-18	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
	H3	18-60	Clay	CH	A-7-6	0	0	100	90-100	85-100	70-95	70-76	44-49
McA:													
Machete---------	H1	0-14	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	60-75	23-30	6-11
	H2	14-20	Clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-80	36-41	15-20
	H3	20-32	Clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-52	25-28
	H4	32-39	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	80-90	35-55	37-43	16-21
	H5	39-45	Gravelly sandy clay loam	GC, SC	A-2-6	0	0	60-75	55-70	45-65	20-35	30-35	11-15
	H6	45-60	Loamy sand	SM	A-2-4	0	0	100	100	60-75	15-30	0-14	NP
McB:													
Machete---------	H1	0-12	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	60-75	23-30	6-11
	H2	12-18	Clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-80	36-41	15-20
	H3	18-30	Clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-52	25-28
	H4	30-37	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	80-90	35-55	37-43	16-21
	H5	37-43	Gravelly sandy clay loam	GC, SC	A-2-6	0	0	60-75	55-70	45-65	20-35	30-35	11-15
	H6	43-60	Loamy sand	SM	A-2-4	0	0	100	100	60-75	15-30	0-14	NP
Md:													
Made Land-------		---	---	---	---	---	---	---	---	---	---	---	---
					A-4, A-6								
MlC:													
Mayo----------	H1	0-8	Loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	100	100	60-90	30-70	21-35	4-15
	H2	8-18	Sandy loam, loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	100	100	60-90	30-70	21-35	4-15
	H3	18-60	Stratified sandy loam to loamy sand	SC, SC-SM	A-2, A-4, A-6	0	0	100	100	50-75	15-40	21-30	4-11

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
MrB:													
Meros----------	H1	0-14	Sand	SM, SP-SM	A-2-4, A-3	0	0	100	100	50-70	5-15	0-14	NP
	H2	14-60	Sand, fine sand	SM, SP-SM	A-2-4, A-3	0	0	100	100	50-70	5-15	0-14	NP
MuD2:													
Mucara----------	H1	0-7	Silty clay loam	CH, CL	A-7-6	0	0	100	100	95-100	85-95	46-56	25-33
	H2	7-18	Clay, silty clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-72	33-46
	H3	18-32	Weathered bedrock			---	---	---	---	---	---	---	---
	H4	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
MuE2:													
Mucara----------	H1	0-6	Silty clay loam	CH, CL	A-7-6	0	0	100	100	95-100	85-95	46-56	25-33
	H2	6-18	Clay, silty clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-72	33-46
	H3	18-32	Weathered bedrock			---	---	---	---	---	---	---	---
	H4	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
NaE2:													
Naranjito-------	H1	0-7	Silty clay loam	CL	A-6, A-7-6	0	0	80-95	75-95	70-95	65-90	30-43	11-18
	H2	7-30	Clay, silty clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	80-95	75-90	70-90	55-85	43-61	18-28
	H3	30-38	Clay loam, silty clay loam	CL	A-6, A-7-6	0	0	80-90	75-90	70-90	55-70	30-43	11-18
	H4	38-42	Weathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
NaF2:													
Naranjito-------	H1	0-6	Silty clay loam	CL	A-6, A-7-6	0	0	80-95	75-95	70-95	65-90	30-43	11-18
	H2	6-30	Clay, silty clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	80-95	75-90	70-90	55-85	43-61	18-28
	H3	30-38	Clay loam, silty clay loam	CL	A-6, A-7-6	0	0	80-90	75-90	70-90	55-70	30-43	11-18
	H4	38-42	Weathered bedrock			---	---	---	---	---	---	---	---
PaE2:													
Pandura---------	H1	0-3	Loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H2	3-19	Sandy loam, loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H3	19-35	Weathered bedrock			---	---	---	---	---	---	---	---
PaF2:													
Pandura---------	H1	0-3	Loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H2	3-19	Sandy loam, loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H3	19-35	Weathered bedrock			---	---	---	---	---	---	---	---
PdF:													
Pandura---------	H1	0-3	Loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H2	3-19	Sandy loam, loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	100	100	60-95	30-75	0-21	NP-10
	H3	19-35	Weathered bedrock			---	---	---	---	---	---	---	---
Very Stony Land-	H1	0-60	Fragmental material	GP	A-1	70-80	75-90	0-10	0-5	0-5	0	0-14	NP

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
PeC2:													
Parcelas--------	H1	0-7	Clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-64	25-37
	H2	7-31	Clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-64	25-37
	H3	31-60	Clay, clay loam	CH, CL	A-7-6	0	0	100	100	90-100	70-95	43-64	22-37
PlB:													
Paso Seco-------	H1	0-5	Clay	CH	A-7	0	0	90-95	85-90	75-90	65-85	66-76	41-49
	H2	5-19	Clay	CH	A-7	0	0	90-95	85-90	75-90	65-85	66-76	41-49
	H3	19-38	Clay, gravelly clay	CH, GC, SC	A-7	0	0	60-95	55-90	50-90	40-85	60-76	36-49
	H4	38-50	Very gravelly loam, very gravelly clay loam	GC	A-2-6, A-2-7	0	0	30-55	25-50	20-45	15-35	31-46	14-25
PmD2:													
Patillas--------	H1	0-9	Clay loam	CL	A-6	0	0	90-95	85-90	75-90	60-85	30-35	11-15
	H2	9-20	Clay loam, silty clay loam	CL	A-6	0	0	90-95	85-90	75-90	60-70	36-38	14-15
	H3	20-60	Sandy loam	SC, SC-SM	A-2-4	0	0	90-95	85-90	50-65	25-35	18-25	4-8
PmE2:													
Patillas--------	H1	0-8	Clay loam	CL	A-6	0	0	90-95	85-90	75-90	60-85	30-35	11-15
	H2	8-19	Clay loam, silty clay loam	CL	A-6	0	0	90-95	85-90	75-90	60-70	36-38	14-15
	H3	19-60	Sandy loam	SC, SC-SM	A-2-4	0	0	90-95	85-90	50-65	25-35	18-25	4-8
Pn:													
Pinones---------	H1	0-4	Silty clay	CH, CL	A-7	0	0	100	100	90-100	75-95	43-57	21-32
	H2	4-18	Silty clay, silty clay loam	CH, CL	A-7	0	0	100	100	90-100	75-95	43-57	21-32
	H3	18-60	Muck, peat	OL, PT	A-4, A-8	0	0	100	100	100	95-100	0-14	NP

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Po:													
Poncena---------	H1	0-2	Clay	CH	A-7	0	0	100	85-100	75-100	60-95	60-66	36-41
	H2	2-14	Clay	CH	A-7	0	0	100	85-100	75-100	60-95	60-66	36-41
	H3	14-41	Clay	CH	A-7	0	0	100	85-100	75-100	60-95	60-66	36-41
	H4	41-60	Clay loam	CL	A-7	0	0	90-100	85-100	75-100	55-80	46-50	25-28
PrC2:													
Pozo Blanco-----	H1	0-7	Clay loam	CL	A-6, A-7	0	0	100	100	90-100	70-80	37-43	16-22
	H2	7-15	Clay loam, gravelly loam, gravelly clay loam	CL, GC, SC	A-6, A-7	0	0	60-100	55-100	50-100	40-80	30-43	11-22
	H3	15-60	Loam	CL	A-4, A-6	0	0	90-100	85-100	80-100	60-80	28-32	9-13
Re:													
Reilly----------	H1	0-9	Sandy loam	SM	A-2-4	0	0	100	100	60-70	30-35	0-14	NP
	H2	9-60	Stratified very gravelly sand to sand	GP, GW, SP, SP-SM	A-1	0	5-10	20-55	10-50	5-35	0-8	0-14	NP
Rp:													
Reparada--------	H1	0-8	Clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-66	25-39
	H2	8-18	Clay, silty clay	CH, CL	A-7-6	0	0	100	100	90-100	75-95	48-66	25-39
	H3	18-60	Muck, peat	PT	A-8	0	0	---	---	---	---	0-14	NP
RrB:													
Rio Arriba------	H1	0-5	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-74	33-47
	H2	5-60	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-74	33-47
RrC2:													
Rio Arriba------	H1	0-5	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-74	33-47
	H2	5-60	Clay	CH	A-7-6	0	0	100	100	90-100	75-95	56-74	33-47

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Rs:													
Rock Land-------	H1	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Ru:													
Rough Stony Land	H1	0-60	Fragmental material	GP	A-1	70-80	75-90	0-10	0-5	0-5	0	0-14	NP
SaE2:													
Sabana----------	H1	0-4	Silty clay loam	CL	A-7, A-6	0	0	100	100	95-100	85-95	35-48	15-25
	H2	4-18	Silty clay, clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-66	25-39
	H3	18-22	Unweathered bedrock			---	---	---	---	---	---	---	---
SaF2:													
Sabana----------	H1	0-2	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-48	15-25
	H2	2-15	Silty clay, clay	CH, CL	A-7	0	0	100	100	90-100	75-95	48-66	25-39
	H3	15-19	Unweathered bedrock			---	---	---	---	---	---	---	---
Sm:													
Salt Water Marsh	H1	0-60	Variable			0	0	---	---	---	---	---	---
Ta:													
Talante---------	H1	0-4	Clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-80	37-43	16-21
	H2	4-10	Sandy clay loam	CL, SC	A-6, A-7-6	0	0	100	100	80-90	35-55	30-43	11-21
	H3	10-18	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	60-75	23-35	6-15
	H4	18-40	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	0-14	NP
	H5	40-58	Coarse sand, fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-70	5-15	0-14	NP

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
TeE:													
Teja----------	H1	0-6	Gravelly sandy loam	GM, GP-GM	A-1-a, A-1-b	0	0	45-55	40-50	25-35	10-20	0-14	NP
	H2	6-14	Gravelly sandy loam, very gravelly sandy loam	GM, GP-GM	A-1-a, A-1-b	0	0-4	45-55	40-50	25-35	10-20	0-14	NP
	H3	14-18	Unweathered bedrock			0	0	---	---	---	---	---	---
Tf:													
Tidal Flats-----	H1	0-60	Variable			0	0	---	---	---	---	---	---
Ts:													
Tidal Swamp-----	H1	0-60	Variable			0	0	---	---	---	---	---	---
Tt:													
Toa----------	H1	0-10	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	95-100	85-95	37-48	16-25
	H2	10-16	Silty clay loam, silty clay, clay loam	CH, CL	A-7-6	0	0	100	100	90-100	70-95	43-52	21-28
	H3	16-60	Silty clay loam, silty clay, clay loam	CH, CL	A-7-6	0	0	100	100	90-100	70-95	43-52	21-28
UpF:													
Picacho---------	H1	0-9	Silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	100	100	90-100	70-95	34-64	13-30
	H2	9-35	Clay, silty clay	CH, CL, MH, ML	A-7	0	0-10	100	100	90-100	75-95	43-78	18-38
	H3	35-65	Clay loam, silty clay loam	CL	A-6, A-7-6	0	0-10	100	100	90-100	70-95	31-43	12-18
	H4	65-72	Loam	CL	A-4, A-6	0	0-10	100	100	80-95	60-75	23-31	7-12

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Utuado----------	H1	0-5	Clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-80	37-43	16-21
	H2	5-18	Clay loam, loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-80	37-43	16-21
	H3	18-23	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	60-75	21-36	4-16
	H4	23-72	Sandy loam	SC, SC-SM	A-2, A-4	0	0	100	100	60-70	30-40	21-28	4-9
Stony Rockland--	H1	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Va:													
Vayas----------	H1	0-8	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	85-95	39-44	18-22
	H2	8-20	Silty clay, clay	CH, CL	A-7	0	0	100	100	90-100	80-95	48-57	25-32
	H3	20-60	Clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	75-90	43-57	21-32
Vc:													
Vayas----------	H1	0-8	Silty clay	CH	A-7	0	0	100	100	90-100	80-95	52-57	28-32
	H2	8-21	Silty clay, clay	CH, CL	A-7	0	0	100	100	90-100	80-95	48-57	25-32
	H3	21-60	Clay loam, clay	CH, CL	A-7	0	0	100	100	90-100	75-90	43-57	21-32
VeB:													
Vega Alta-------	H1	0-9	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-95	32-43	12-18
	H2	9-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	43-56	18-25
VeC:													
Vega Alta-------	H1	0-9	Silty clay loam	CL	A-6, A-7-6	0	0	100	100	90-100	70-95	32-43	12-18
	H2	9-60	Clay	CH, CL, MH, ML	A-7-5, A-7-6	0	0	100	100	90-100	75-95	43-56	18-25
VgA:													
Vega Baja-------	H1	0-12	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	90-100	75-95	39-48	18-25
	H2	12-23	Silty clay, clay	CH	A-7-6	0	0	100	95-100	90-100	75-95	57-66	32-39
	H3	23-60	Silty clay loam, clay loam, clay	CH, CL	A-7-6	0	0	100	95-100	90-100	75-95	43-62	21-36

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
VlC:													
Via----------	H1	0-8	Silty clay loam	CL	A-6, A-7	---	0-5	100	85-95	80-95	60-90	36-46	16-23
	H2	8-47	Clay loam	CL	A-7	0	0	85-95	80-95	70-95	55-75	41-44	20-22
	H3	47-62	Very gravelly clay loam, extremely gravelly clay loam	GC, GP-GC	A-2-6, A-2-7	0	0	20-40	10-35	10-35	10-30	36-44	16-22
VmC:													
Vieques---------	H1	0-7	Loam	CL, CL-ML	A-4, A-6, A-7-6	0	0	100	100	85-95	60-75	25-48	7-25
	H2	7-15	Sandy clay loam, loam	SC	A-4, A-6, A-7-6	0	0	90-95	85-90	70-80	35-50	28-43	9-21
	H3	15-38	Very gravelly sand, very gravelly coarse sand	GM, GP, GP-GM, GW	A-1, A-2-4	0	0-10	20-55	20-50	10-45	2-35	0-14	NP
	H4	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---
VmE2:													
Vieques---------	H1	0-5	Loam	CL, CL-ML	A-4, A-6, A-7-6	0	0	100	100	85-95	60-75	25-48	7-25
	H2	5-15	Sandy clay loam, loam	SC	A-4, A-6, A-7-6	0	0	90-95	85-90	70-80	35-50	28-43	9-21
	H3	15-38	Very gravelly sand, very gravelly coarse sand	GM, GP, GP-GM, GW	A-1, A-2-4	0	0-10	20-55	20-50	10-45	2-35	0-14	NP
	H4	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Vs:													
Vives----------	H1	0-9	Silty clay loam	CH, CL	A-7	0	0	95-100	90-100	75-90	65-85	43-52	21-28
	H2	9-32	Clay loam	CL	A-6, A-7	0	0	90-100	85-90	75-90	60-70	35-43	15-21
	H3	32-43	Silt loam, clay loam, loam	CL	A-6, A-7	0	0	100	100	90-100	70-80	32-43	13-21
	H4	43-50	Silt loam, clay loam, loam	CL	A-6, A-7	0	0-5	90-100	90-100	85-95	70-80	32-43	13-21
VvA:													
Vives----------	H1	0-9	Clay	CH, CL	A-7	0	0	90-100	85-90	75-90	65-85	43-52	21-28
	H2	9-32	Clay loam	CL	A-6, A-7	0	0	90-100	85-90	75-90	60-70	35-43	15-21
	H3	32-43	Silt loam, clay loam, loam	CL	A-6, A-7	0	0	100	100	90-100	70-80	32-43	13-21
	H4	43-50	Silt loam, clay loam, loam	CL	A-6, A-7	0	0-5	90-100	90-100	85-95	70-80	32-43	13-21
VvB:													
Vives----------	H1	0-9	Clay	CH, CL	A-7	0	0	90-100	85-90	75-90	65-85	43-52	21-28
	H2	9-32	Clay loam	CL	A-6, A-7	0	0	90-100	85-90	75-90	60-70	35-43	15-21
	H3	32-43	Silt loam, clay loam, loam	CL	A-6, A-7	0	0	100	100	90-100	70-80	32-43	13-21
	H4	43-50	Silt loam, clay loam, loam	CL	A-6, A-7	0	0-5	90-100	90-100	85-95	70-80	32-43	13-21
Vw:													
Vivi----------	H1	0-14	Loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	100	100	60-95	30-75	21-30	4-11
	H2	14-20	Very fine sandy loam, loam	CL-ML, ML	A-4	0	0	100	100	85-95	50-75	0-25	NP-5
	H3	20-30	Loam	CL, CL-ML	A-4	0	0	100	100	85-95	60-75	20-28	4-9
	H4	30-36	Sand	SM, SP-SM	A-1, A-2, A-3	0	0	100	85-100	45-65	5-15	0-14	NP
	H5	36-60	Sandy loam, loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-95	30-75	0-25	NP-5

Engineering Index Properties--Continued

Map symbol and soil name	Horizon	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	
Wa:													
Wet Alluvial Land----------	H1	0-60	Variable			---	---	---	---	---	---	---	---
YuF2:													
Yunes----------	H1	0-2	Silty clay loam	CL	A-6, A-7-6	0	0	100	75-100	70-100	60-95	35-48	15-25
	H2	2-16	Very channery silty clay loam, very channery clay loam	GC, GP-GC	A-2	0	0	15-40	10-35	5-30	5-30	35-48	15-25
	H3	16-20	Weathered bedrock			---	---	---	---	---	---	---	---