U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

06/11/2002

PHYSICAL PROPERTIES OF SOILS
Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

(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)

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
AcD:												
AGUILITA--------	0-11	42-45	1.30-1.40	0.57-1.98	0.12-0.18	3.0-5.9	5.0-10	.24	.24	3	4L	86
AcE:												
AGUILITA--------	0-10	42-45	1.30-1.40	0.57-1.98	0.12-0.18	3.0-5.9	5.0-10	.24	.24	3	4L	86
Ag:												
AGUIRRE---------	0-10	60-68	1.25-1.35	0.00-0.06	0.15-0.20	9.0-25.0	3.0-5.0	.24	.24	5	4	86
AmB:												
AMELIA----------	0-9	35-40	1.30-1.35	0.57-1.98	0.11-0.16	3.0-5.9	3.0-5.0	.17	.24	5	4	86
MAGUAYO---------	0-5	30-35	1.20-1.35	0.57-1.98	0.11-0.17	0.0-2.9	3.0-5.0	.10	.17	4	6	48
AmC2:												
AMELIA----------	0-9	35-40	1.30-1.35	0.57-1.98	0.11-0.16	3.0-5.9	3.0-5.0	.17	.24	5	4	86
MAGUAYO---------	0-5	30-35	1.20-1.35	0.57-1.98	0.11-0.17	0.0-2.9	3.0-5.0	.10	.17	4	6	48

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PHYSICAL PROPERTIES OF SOILS--Continued

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Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
Ao:												
AMELIA----------	0-9	35-40	1.20-1.30	0.57-1.98	0.15-0.20	3.0-5.9	3.0-5.0	.17	.17	5	4	86
AsB:												
BAHIA----------	0-6	3-6	1.50-1.65	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.02	.02	5	1	220
Ca:												
CARTAGENA-------	0-12	45-50	1.25-1.30	0.06-0.20	0.13-0.16	9.0-25.0	2.0-5.0	.24	.24	5	4	86
Cc:												
CARTAGENA VARIANT--------	0-20	35-60	1.35-1.40	0.20-0.57	0.15-0.18	6.0-8.9	2.0-5.0	.24	.24	5	4	86
Co:												
COASTAL BEACH---	0-6	0-1	1.35-1.85	5.95-19.98	0.03-0.05	0.0-2.9	0.0-0.1	.05	---	5	1	310
DeC:												
DESCALABRADO----	0-6	35-40	1.34-1.36	0.57-1.98	0.15-0.20	6.0-8.9	3.0-5.0	.24	.24	1	4	86
DeD:												
DESCALABRADO----	0-5	35-40	1.34-1.36	0.57-1.98	0.15-0.20	6.0-8.9	3.0-5.0	.24	.24	1	4	86
DeF:												
DESCALABRADO----	0-4	35-40	1.34-1.36	0.57-1.98	0.15-0.20	6.0-8.9	3.0-5.0	.24	.24	1	4	86

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Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
Fe:												
FE----------	0-7	45-58	1.30-1.40	0.00-0.06	0.13-0.16	6.0-8.9	3.0-5.0	.24	.24	5	4	86
FrA:												
FRATERNIDAD-----	0-11	50-60	1.20-1.25	0.06-0.20	0.12-0.18	9.0-25.0	2.0-4.0	.24	.24	5	4	86
FrB:												
FRATERNIDAD-----	0-10	50-60	1.20-1.25	0.06-0.20	0.12-0.18	9.0-25.0	2.0-4.0	.24	.24	5	4	86
Ft:												
FRATERNIDAD-----	0-17	50-60	1.20-1.25	0.06-0.20	0.14-0.18	9.0-25.0	2.0-4.0	.24	.24	5	4	86
FvA:												
FRATERNIDAD-----	0-10	50-60	1.20-1.25	0.06-0.20	0.12-0.18	9.0-25.0	2.0-4.0	.24	.24	5	4	86
FvB:												
FRATERNIDAD-----	0-9	50-60	1.20-1.25	0.06-0.20	0.12-0.18	9.0-25.0	2.0-4.0	.24	.24	5	4	86
Gc:												
GUANICA---------	0-6	65-75	1.15-1.20	0.00-0.06	0.09-0.15	9.0-25.0	3.0-5.0	.24	.24	5	4	86
Gf:												
GUAYABO---------	0-7	1-2	1.40-1.55	19.98-19.98	0.05-0.08	0.0-2.9	0.5-1.0	.10	.10	5	1	220

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Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
GuD:												
GUAYAMA---------	0-8	35-38	1.25-1.32	0.57-1.98	0.10-0.15	3.0-5.9	3.0-5.0	.17	.24	1	4	86
GuF:												
GUAYAMA---------	0-5	35-38	1.25-1.32	0.57-1.98	0.10-0.15	3.0-5.9	3.0-5.0	.17	.24	1	4	86
JaB:												
JACANA----------	0-5	45-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.10	.10	3	4	86
JaC:												
JACANA----------	0-6	45-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.10	.10	3	4	86
JaC2:												
JACANA----------	0-4	45-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.10	.10	3	4	86
JaD2:												
JACANA----------	0-2	40-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.24	.24	2	4	86
JcB:												
JACANA----------	0-6	45-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.10	.10	3	4	86
JcC:												
JACANA----------	0-5	45-50	1.25-1.30	0.20-0.57	0.15-0.20	6.0-8.9	3.0-5.0	.10	.10	3	4	86

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Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
Lr:												
LIMESTONE ROCK LAND----------	0-60	---	---	0.06-5.95	---	---	---	---	---	-	8	0
MaD2:												
MARIANA---------	0-6	28-35	1.25-1.30	1.98-5.95	0.10-0.15	0.0-2.9	2.0-4.0	.10	.17	4	6	48
MaE2:												
MARIANA---------	0-6	28-35	1.25-1.30	1.98-5.95	0.10-0.15	0.0-2.9	2.0-4.0	.10	.17	4	6	48
PaA:												
PALMAREJO-------	0-12	20-25	1.30-1.35	0.57-1.98	0.10-0.15	0.0-2.9	3.0-5.0	.10	.10	5	6	48
PaB:												
PALMAREJO-------	0-9	20-25	1.30-1.35	0.57-1.98	0.10-0.15	0.0-2.9	3.0-5.0	.10	.10	5	6	48
PaC2:												
PALMAREJO-------	0-8	20-25	1.30-1.35	0.57-1.98	0.10-0.15	0.0-2.9	3.0-5.0	.10	.10	5	6	48
PcB:												
PONCENA---------	0-11	45-50	1.00-1.15	0.06-0.20	0.12-0.18	6.0-8.9	5.0-10	.24	.24	5	4	86
PcC2:												
PONCENA---------	0-8	45-50	1.00-1.15	0.06-0.20	0.12-0.18	6.0-8.9	5.0-10	.24	.24	5	4	86

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Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
PoA:												
POZO BLANCO-----	0-9	20-27	1.15-1.25	0.57-1.98	0.15-0.20	0.0-2.9	5.0-10	.10	.10	3	4L	86
PzB:												
POZO BLANCO-----	0-12	28-35	1.10-1.15	0.57-1.98	0.10-0.15	0.0-2.9	5.0-10	.10	.17	3	4L	86
PzC:												
POZO BLANCO-----	0-9	28-35	1.10-1.15	0.57-1.98	0.10-0.15	0.0-2.9	5.0-10	.10	.17	3	4L	86
PzD:												
POZO BLANCO-----	0-4	28-35	1.10-1.15	0.57-1.98	0.10-0.15	0.0-2.9	5.0-10	.10	.17	3	4L	86
Sa:												
SAN ANTON-------	0-20	28-45	1.30-1.40	0.57-1.98	0.11-0.20	3.0-5.9	4.0-6.0	.17	.20	5	4	86
Sc:												
SAN ANTON-------	0-18	28-45	1.30-1.40	0.57-1.98	0.11-0.20	3.0-5.9	4.0-6.0	.17	.20	5	4	86
Se:												
SAN ANTON VARIANT--------	0-12	27-36	1.30-1.40	0.57-1.98	0.15-0.20	0.0-2.9	4.0-6.0	.17	.17	4	6	48
SgD:												
SAN GERMAN------	0-2	10-27	1.40-1.50	1.98-5.95	0.05-0.10	0.0-2.9	2.0-4.0	.24	.28	1	8	0

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	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
SgF:												
SAN GERMAN------	0-2	10-27	1.40-1.50	1.98-5.95	0.05-0.10	0.0-2.9	2.0-4.0	.24	.28	1	8	0
SmE:												
SAN GERMAN------	0-8	28-40	1.30-1.40	0.57-1.98	0.02-0.10	3.0-5.9	2.0-4.0	.17	---	3	4L	86
Sn:												
SANTA ISABEL----	0-10	50-55	1.25-1.35	0.00-0.06	0.07-0.13	9.0-25.0	3.0-5.0	.24	.24	5	4	86
SoA:												
SOSA----------	0-5	11-18	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	1.0-2.0	.10	.10	3	2	134
SsB:												
SOSA----------	0-5	12-18	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	1.0-2.0	.10	.10	3	3	86
SsD2:												
SOSA----------	0-4	12-18	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	1.0-2.0	.10	.10	3	3	86
Tc:												
TERESA----------	0-7	40-50	1.20-1.25	0.20-0.57	0.15-0.18	3.0-5.9	2.0-4.0	.24	.24	4	4	86
Tf:												
TIDAL FLATS-----	0-60	---	---	---	---	---	3.0-6.0	.15	.15	5	8	0

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	In	Pct	g/cc	in/hr	In/in	Pct	Pct					
Ts:												
TIDAL SWAMP-----	0-60	---	---	0.06-0.20	---	---	---	---	---	5	---	---
Va:												
VAYAS----------	0-7	45-50	1.30-1.40	0.06-0.20	0.14-0.18	3.0-5.9	2.0-4.0	.24	.24	5	4	86
Vo:												
VOLCANIC ROCK LAND----------	0-60	---	---	0.06-5.95	---	---	---	---	---	-	8	0
W:												
WATER----------	---	---	---	---	---	---	---	---	---	-	---	---