

San Juan Area, Puerto Rico
Soil Features

04/26/2002

(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				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
AaB: Aceitunas-----	---	---	---	---	0	---	None	High	High
AaC: Aceitunas-----	---	---	---	---	0	---	None	High	High
AbD: Aibonito-----	---	---	---	---	0	---	None	High	High
AbE: Aibonito-----	---	---	---	---	0	---	None	High	High
AmB: Almirante-----	---	---	---	---	0	---	None	High	High
AmC: Almirante-----	---	---	---	---	0	---	None	High	High
Ba: Bajura-----	---	---	---	---	0	---	None	High	Moderate
BmB: Bayamon-----	---	---	---	---	0	---	None	High	High
CaE: Caguabo-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
CaF: Caguabo-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
CbF: Caguabo-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Ce: Candelerio-----	---	---	---	---	0	---	None	High	High
Cayagua-----	---	---	---	---	---	---	---	---	---
CLC: Catalina-----	---	---	---	---	0	---	None	High	High
Cn: Catano-----	---	---	---	---	0	---	None	Low	Low
Co: Cayagua-----	---	---	---	---	0	---	None	High	High
CrD2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
CrE2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
CrF2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
Cs: Coloso-----	---	---	---	---	0	---	None	High	Moderate
CuE: Consumo-----	---	---	---	---	0	---	None	High	High
CuF: Consumo-----	---	---	---	---	0	---	None	High	High
CzC: Corozal-----	---	---	---	---	0	---	None	High	High
DaC: Daguey-----	---	---	---	---	0	---	None	High	High

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
DaD: Daguey-----	---	---	---	---	0	---	None	High	High
DeF: Descalabrado-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
DgF: Descalabrado-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
Dm: Dique-----	---	---	---	---	0	---	None	Low	Moderate
Dr: Durados-----	---	---	---	---	0	---	None	Low	Low
Es: Estacion-----	---	---	---	---	0	---	None	Moderate	Moderate
GPQ: Canteras And Graveros--	---	---	---	---	---	---	---	---	---
GuF: Guayama-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
Hm: Humacao-----	---	---	---	---	0	---	None	Moderate	Moderate
HtE: Humatas-----	---	---	---	---	0	---	None	High	High
HtF: Humatas-----	---	---	---	---	0	---	None	High	High
HuF: Humatas-----	---	---	---	---	0	---	None	High	High
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Hy: Hydraquents-----	---	---	---	---	0	---	None	High	High
JaE2: Jagueyes-----	---	---	---	---	0	---	None	Low	High
JnD2: Juncal-----	---	---	---	---	0	---	None	High	Low
JuC: Juncos-----	Bedrock (paralithic)	36-60	---	---	0	---	None	High	Low
JuD: Juncos-----	Bedrock (paralithic)	36-60	---	---	0	---	None	High	Low
LaB: Lares-----	---	---	---	---	0	---	None	High	High
LaC2: Lares-----	---	---	---	---	0	---	None	High	High
LmE: Limonos-----	---	---	---	---	0	---	None	High	High
LmF: Limonos-----	---	---	---	---	0	---	None	High	High
LoF2: Lirios-----	---	---	---	---	0	---	None	High	High
LsE: Los Guineos-----	---	---	---	---	0	---	None	High	High
LsF: Los Guineos-----	---	---	---	---	0	---	None	High	High

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
MaA: Mabi-----	---	---	---	---	0	---	None	High	Moderate
MaB: Mabi-----	---	---	---	---	0	---	None	High	Moderate
MaC: Mabi-----	---	---	---	---	0	---	None	High	Moderate
Md: Made Land-----	---	---	---	---	---	---	---	---	---
MlF: Malaya-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low
MoF: Maricao-----	---	---	---	---	0	---	None	High	High
Mp: Martin Pena-----	---	---	---	---	0	---	None	High	Low
MsB: Matanzas-----	Bedrock (lithic)	40-60	---	---	0	---	None	High	Low
MtB: Monte grande-----	---	---	---	---	0	---	None	High	Moderate
MtC: Monte grande-----	---	---	---	---	0	---	None	High	Moderate
MuF2: Morado-----	Bedrock (paralithic)	20-40	---	---	0	---	None	Moderate	Low
MxD: Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low
MxE: Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In			In	In	In		
MxF: Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low
NaD2: Naranjito-----	Bedrock (paralithic)	25-40	---	---	0	---	None	High	High
NaE2: Naranjito-----	Bedrock (paralithic)	25-40	---	---	0	---	None	High	High
NaF2: Naranjito-----	Bedrock (paralithic)	25-40	---	---	0	---	None	High	High
PaD: Pandura-----	Bedrock (paralithic)	12-20	---	---	0	---	None	Low	Moderate
PaE: Pandura-----	Bedrock (paralithic)	12-20	---	---	0	---	None	Low	Moderate
PaF: Pandura-----	Bedrock (paralithic)	12-20	---	---	0	---	None	Low	Moderate
PeF: Pellejas-----	---	---	---	---	0	---	None	Low	High
Re: Reilly-----	---	---	---	---	0	---	None	Low	Moderate
RoB: Rio Arriba-----	---	---	---	---	0	---	None	High	Low
RoC2: Rio Arriba-----	---	---	---	---	0	---	None	High	Low

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
RpD2: Rio Piedras-----	---	---	---	---	0	---	None	High	High
RpE2: Rio Piedras-----	---	---	---	---	0	---	None	High	High
RpF2: Rio Piedras-----	---	---	---	---	0	---	None	High	High
SaF: Sabana-----	Bedrock (lithic)	10-20	---	---	0	---	None	High	High
ScB: Sabana Seca-----	---	---	---	---	0	---	None	High	High
Sm: Saladar-----	---	---	---	---	20-40	40-60	None	Moderate	Low
SNS: Soils Not Surveyed-----	---	---	---	---	---	---	---	---	---
SoE: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SoF: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
TaF: Tanama-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
To: Toa-----	---	---	---	---	0	---	None	Moderate	Low
TrB: Torres-----	---	---	---	---	0	---	None	High	High
Ts: Tropopsamments-----	---	---	---	---	0	---	None	High	High

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Ud: Urban Land-----	---	---	---	---	0	---	None	---	---
Durados-----	---	---	---	---	0	---	None	Low	Low
Um: Urban Land-----	---	---	---	---	0	---	None	---	---
Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low
Us: Urban Land-----	---	---	---	---	0	---	None	---	---
Sabana Seca-----	---	---	---	---	0	---	None	High	High
Uv: Urban Land-----	---	---	---	---	0	---	None	---	---
Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VaB: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VaC2: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
Vg: Vega Baja-----	---	---	---	---	0	---	None	High	High
VkC2: Via-----	---	---	---	---	0	---	None	Moderate	Moderate
Vv: Vivi-----	---	---	---	---	0	---	None	Moderate	High

Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
W: Water-----	---	---	---	---	---	---	---	---	---
YeE: Yunes-----	Bedrock (paralithic)	10-20	---	---	0	---	None	Moderate	High
YeF: Yunes-----	Bedrock (paralithic)	10-20	---	---	0	---	None	Moderate	High