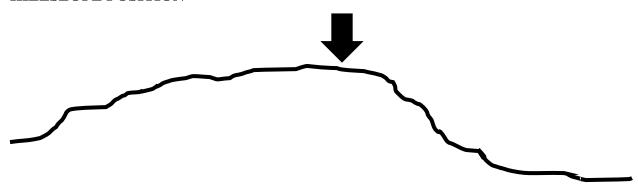
SITE INFORMATION

This soil is found near San German, Puerto Rico. This soil formed in iron-rich residuum weathered from serpentinite bedrock. The climate is humid tropical with a mean annual temperature of about 75 degrees F., and a mean annual precipitation of about 57 inches. The site has mixed forest and an intact thin organic layer that is not described. This site has not been in agriculture. The site has no ponding or flooding.

LANDFORM

This soil is found on a stable mountain tops in humid mountains and valleys region in Puerto Rico. The slope is 5%.

HILLSLOPE POSITION



SOIL MOISTURE AND TEMPERATURE REGIME

Soil moisture regime is udic and the hyperthermic soil temperature regime.

SOIL PIT INFORMATION

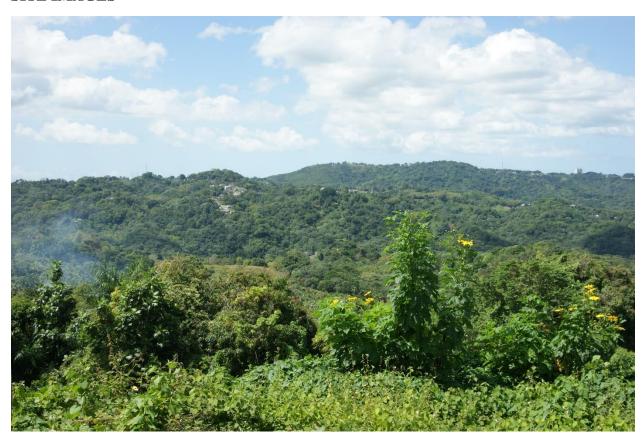
Clay films on ped faces were not observed in the 1^{st} , 2^{nd} , 3^{rd} , and 4^{th} horizon. Clay films on ped faces were observed in the 5^{th} and 6^{th} horizons. Fine iron concretions are found in the 4^{th} , 5^{th} , and 6^{th} horizons, which are not easily seen in the pedon image. These are not plinthite and likely weathered from the Serpentinite. The clay in all horizons is slightly sticky and slightly plastic.

CHARACTERIZATION DATA

Horizon	Org. C (%)	pH (1N KCl)	Base sat.	CEC (cmol+/ kg clay)	ECEC (cmol+/ kg clay)	Weatherable minerals* (%)	
1	0.8	5.8	45	8.0	5.0	12	
2	0.4	5.4	44	2.2	1.4	9	
3	0.3	5.0	40	2.0	1.3	8	
4	0.2	4.7	35	1.8	1.1	6	
5	0.1	4.5	30	1.5	1.0	3	
6	0.0	5.1	28	1.0	0.5	2	

^{*}measured in the fine and very fine sand fractions

SITE IMAGES





PEDON IMAGE



SCORECARD

								Pre. (5)	7		-	A C S S S
-								. Let. (5)	Master	Но	1. Soil Morphology	SCORECARD VIRTUAL NA VIRTUAL NA SOIL JUDGIN CONTEST APRIL 5-16, 2
	-							-		Horizonation	lorph	L S LES LES LES
								(5)	-	ation	ology	AR DG 116,
								(5)	Z ₂			SCORECARD VIRTUAL NATION VIRTUAL NATION SOIL JUDGING CONTEST APRIL 5-16, 2021
		100F	160	130	0	60	90	(cm)	D.	Boundary		SCORECARD VIRTUAL NATIONAL VIRTUAL NATIONAL SOIL JUDGING CONTEST APRIL 5-16, 2021
		ı	5	2	9	0		Dist.		dary		AL
		6	6	16	9	20	22	(%)	Sand			
		=	2	CJ	12	=	10	(%)	Silt			
								(5)	Clay (%)	Te		Н
		רע	w	بو	J)	1	(%)	CF	Texture		1. 2. 3. 4. 5.
								(5)	CF			
								(5)	Class			
		IOR	IOR	100	IDR	108	108	Hue				
		w	w	w	W	W	w	Value		Color		
		2	エ	4	4	W	W	Chr.				
		_	_	_	_	N	\sim	Grade		Str		Se Se
		28 K	XBK	Sax	28x	JAS	68	Shape		Structure		Contestant:
		T	FR	FR	T	חַ	77	Strength		Cons.		nber:
		_	N				_	-	2	s.		
		1	1))	1	1	Depl.	Redox	Soil F		RACT
		1	١	1	1	1	1	Conc.	Х	Soil Features	S	10
)	J	1	1)	1	Eff.		S	Score:	(4)
								(35)		Score		

Reason # (2):	Slight Moderate Severe	Houses with Basements (3)	5. Interpretations	Epipedon (5)	4. Soil Classification	RESIDUUM	Parent Material (GIVEN)	3. Site Characteristics	LowL	Limiting I	Hydraulic Conductivity (10)
Reason # (2):	Slight Moderate Severe	Septic Tank Abs. Fields (3)		Subsurface horizons and/or diagnostic features (5 each)		STARLE MOUNTAIN TOP]	Landform (GIVEN)		_Low Ref. (2)		0) Loading Rate at 75 cm (5)
Reason (2):	Slight Moderate Severe	Local Roads and Streets (3)		1/or Order (10)		70	Slope (GIVEN)		Deep (100 to 149 cm) Very deep (≥150 cm)	V. shallow (<25 cm) Shallow (25 to 49 cm) Mod. deep (50 to 99 cm)	Effective Soil Depth (5)
Reason (2):	Slight Moderate Severe	Corn (3)		Subor		Shoulder Shoulder Backslope Footslope Toeslope None	Slope Profile (5)		Mod. (15 to < 22.5 cm)		Water Retention Difference (5)
Reason (2):	Slight Moderate Severe	Hopyards (3)		Suborder (10)		Very slow Slow Medium Rapid Very rapid	Surface Runoff (5)		< 22.5 cm)	7.5 cm)	Difference (5)
Reason (2):	Slight Moderate Severe	Created Wetlands (3)	Score:	Great Group (10)	Score:	Very Low Low Medium High Very High	Eros. Pot. (5)	Score:	(25 to 49 cm) (< 25 cm)	(> 150 cm) (100 to 150 cm) (50 to 99 cm)	Soil Wetness Class (5)