

Soil pit description: PR08

Images: PR08_01.jpg, PR08_02.jpg

Soil class: Wetmore
Map unit: Lu
Location: Near 4.5, T Barbour Trail
Site position: Low saddle
Slope: 25%, irregular, aspect 260°
Parent material: Caimito marine sedimentary
Forest structure: Closed canopy, open understory, few palms
Litter: 80% cover, 2 layers, thin discontinuous root mat
Outcrops: None
Stones: None
Cracks: Discontinuous 3 mm wide, infilled
Microrelief: None
Faunal activity: Many fine worm casts
Other surface features: None

Horizon		Samples
[cm]		[cm]
0 - 3	7.5YR 2.5/1(black); no mottles; silty clay loam; weak medium subangular blocky breaking to weak fine crumb including common fine worm casts; no cutans; common fine pores; slightly moist & friable; many fine & common medium tree roots; few fine hard grey stones; few fine black ferrimanganiferous concretions; no charcoal; clear regular boundary to:	[0-3]
3 - 20	7.5YR 5/2 (dark brown); no mottles; silty clay loam; moderate medium breaking to fine subangular blocky with common fine worm cast-crumb; no cutans; common fine pores; slightly moist & slightly friable; few medium tree roots; few fine soft orange weathered and common coarse greenish grey hard stones; few fine black ferrimanganiferous concretions; no charcoal; clear regular boundary to:	[3-20] [3-10] [10-20]
20 - 45	Mixed brown, grey, orange & purple; silty clay loam; moderate medium subangular blocky breaking to moderate fine crumb; moderate discontinuous clayskins; common fine pores & common fine faunal channels; slightly moist & slightly friable; common fine tree roots; many fine hard grey stones; few fine black ferrimanganiferous concretions; no charcoal; clear regular boundary to:	[20-45] [20-30] [30-40]
45 -175+	Red, purple & grey hard weathered rock; moderate medium subangular blocky breaking to moderate medium crumb; weak discontinuous clayskins; many fine pores & few fine faunal channels; slightly dry & slightly firm; few fine tree roots;; few fine black ferrimanganiferous concretions; no charcoal	[45-110] [40-50]

Correlations

Catapan

(1970): M C W-M Kc 4

M D 1 1

World

Reference

Base:

Soil

Taxonomy: Typic Eutrudept

Features:

High CEC and base status are, and mixed greyish colours make this transitional to Lutz, but in Wetmore because solum < 50 cm deep.