

Soil pit description: PF09

Images: PF09_01.jpg, PF09_02.jpg
Soil class: Hood
Map unit: Ho
Location: Near marker 11, Van Tyne Trail
Site position: Step on midslope
Slope: 2%, irregular
Parent material: Caimito volcanic facies
Forest structure: Partly closed canopy, thick understory, common palms
Litter: 100% cover, 3 layers, no root mat
Outcrops: None
Stones: Few hard subrounded hard boulders (to 30 cm diameter)
Cracks: Network of continuous open cracks, width 10 mm, spacing 8 cm
Microrelief: None
Faunal activity: Many fine worm casts
Other surface features: None

Horizon [cm]		Samples [cm]
0 - 5	7.5YR 3/4 (dark brown); no mottles; silty clay loam; weak strong coarse subangular blocky not breaking to secondary structures, common fine worm casts; no cutans; common medium & coarse pores; dry & friable; common coarse & many fine & medium tree roots; no stones; no concretions; no charcoal; clear regular boundary to:	[0-5]
5 - 38	6YR 4/4 (reddish brown); no mottles; silty clay loam; moderate medium breaking to weak fine subangular blocky, no cutans; common coarse pores including common coarse (to 1 cm) faunal channels; dry & slightly firm; many fine tree roots; no stones; few fine black ferrimanganiferous concretions; no charcoal; clear slightly wavy boundary to:	[5-15] [15-25] [25-35]
38 - 85	4YR 4/6 (reddish orange); no mottles; (silty) clay loam; moderate fine & medium subangular blocky breaking to moderate fine crumb, including few fine worm casts; weak discontinuous clayskins cutans; common medium pores; slightly dry & firm; few coarse common fine & medium tree roots; no stones; few fine black ferrimanganiferous concretions; no charcoal; clear wavy boundary to:	[35-45] [45-55] [55-65] [65-75] [75-85]
85 - 95+	2.5YR 4/6 (red); no mottles; silty clay loam; strong fine & medium subangular blocky breaking to strong fine crumb; weak continuous clayskins; few medium pores; slightly dry & firm; few fine tree roots; many large hard orange boulders; common fine - coarse black ferrimanganiferous concretions; no charcoal:	[85-95]

Correlations

Catapan (1970): O C W Kc 2
 E A 1 2
World Reference Base: Ferralic Eutric Cambisol
Soil Taxonomy: Typic Eutrudept (-Eutrudox)

Features: Redder than most Hood, but a good example of Caimito volcanic fine loam that is shallow over clasts rather than saprolite. Weathering status unclear from combination of gibbsite and montmorillonite.