

Soil pit description: PF03

Images: PF03_01.jpg, PF03_02.jpg
Soil class: Standley
Map unit: F
Location: NNE of marker 10, Balboa Trail
Site position: Midslope
Slope: 25%, irregular, aspect 320°
Parent material: Bohio volcanic
Forest structure: High old growth, closed canopy, open understory, few palms
Litter: 80% cover, 3 layers, no root mat
Outcrops: None
Stones: Common hard subrounded boulders (to 30 cm diameter)
Cracks: Discontinuous, 3mm wide, some infilled
Microrelief: None
Faunal activity: Common fine worm casts
Other surface features: None

Horizon [cm]		Samples [cm]
0 - 7	5YR 3/2 (dark reddish brown); no mottles; silty clay loam; moderate fine & medium crumb including many patches of worm casts; no cutans; abundant medium & fine pores; moist & very friable; many fine & coarse tree roots; few white hyphae; common medium hard subangular stones; no concretions; no charcoal; clear regular boundary to:	[0-5]
7 - 45	5YR 3/4 (reddish brown); no mottles; silty clay loam; moderate medium & fine crumb; no cutans; abundant medium & fine pores; moist & very friable; many coarse medium & fine tree roots; common medium grey slightly hard stones; no concretions; no charcoal; clear slightly wavy boundary to:	[5-15] [15-25] [25-35] [35-45]
45 - 95+	Mixed red, grey & black hard slightly weathered rock; common medium tree roots down cracks	[55-65]

Correlations

Catapan (1970): O C W Kc 4
 E D 1 0
World Reference Base: Eutric Cambisol
Soil Taxonomy: Typic Eutrudept

Features: Typical brown colours and shallow solum of Standley. Strongly developed & very porous crumb structures. High base status throughout.