

Soil pit description: PR05

Images: PR05_01.jpg, PR05_02.jpg

Soil class: Miller
Map unit: S
Location: Halfway down trail from basketball court to weir on Lutz Creek
Site position: Midslope
Slope: 25% upslope 12% downslope, concave, aspect 12°
Parent material: Bohio conglomerate-breccia
Forest structure: Closed canopy, open understory, few palms
Litter: 100% cover, 3 layers, discontinuous mat of fine surface roots
Outcrops: None
Stones: None
Cracks: None
Microrelief: None
Faunal activity: None
Other surface features: None

Horizon**Samples**

[cm]		[cm]
0 - 9	2.5YR 2.5/2 (very dusky red); no mottles; humic loam; weak fine crumb including many fine & medium worm casts; no cutans; many fine pores; slightly moist & friable; many fine & medium tree roots; few fine medium hard quartz gravel; no concretions; no charcoal; clear wavy boundary to:	[0-9]
9 - 37	7.5YR 3/3 (dark brown); no mottles; silty clay loam; moderate fine-coarse crumb, including many fine worm casts; no cutans; few fine pores; moist & slightly friable; few coarse, medium & fine tree roots; few coarse grey hard & common fine dark grey Mn-coated stones; no concretions; no charcoal; clear wavy boundary to:	[9-20] [20-30] [30-40]
37 - 63	5YR 4/3 (reddish brown); no mottles; stony clay loam; stony structure with interstitial weak fine-coarse crumb & few patches of fine worm casts; no cutans; many coarse-fine pores; moist & stony; few medium tree roots; many medium & coarse grey hard & dark grey Mn-coated stones; no concretions; no charcoal; clear wavy boundary to:	[40-50] [50-60] [60-70]
45 - 95+	<i>In situ</i> dark slightly bluish grey hard slightly weathered rock	None

Correlations

Catapan

(1970): M C W Kc 3
 M D 1 2

World

Reference

Base: Mollic Leptic Cambisol

Soil

Taxonomy: Humic Lithic Eutrudept

Features: Very dark appearance accentuated by dark rock. Designation as Miller based mainly on Woodring (1958) geological map – could be Oscuro.