

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N33 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: D.B. Kidd
Date Desc.: 08/09/05
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Nunamara
Elevation: 412 metres
Rainfall: 1194
Runoff: Very slow
Drainage: Well drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Tb

Conf. Sub. is Parent. Mat.: Almost Certain
Substrate Material: Tertiary basalt

Land Form

Rel/Slope Class: Undulating low hills 30-90m
 3-10%

Pattern Type: Low hills

Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 3 %

Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

Australian Soil Classification:

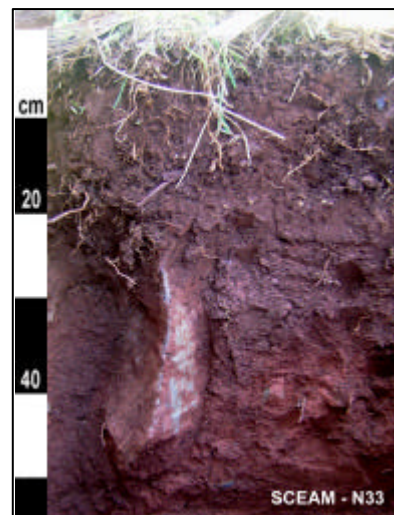
Melanic Eutrophic Red Ferrosol Medium Moderately gravelly
Clay-loamy Clayey Moderately deep

ASC Confidence:
 reasonable confidence.

Site Disturbance: Highly disturbed

Vegetation:

Surface Coarse Fragments: 10-20%, stony, 200-600mm, , Basalt



Profile Morphology

O1	-0.01 - 0 m	Organic Layer; (5YR2.5/2-Moist); ; ; Sharp, Smooth change to -
A1	0 - 0.1 m	Dark reddish brown (5YR2.5/2-Moist); Clay loam; Moderate grade of structure, 10-20 mm, Granular; Moderate grade of structure, 2-5 mm, Granular; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Very weak consistence; Non-plastic; Non-sticky; 50-90%, cobbly, 60-200mm, subrounded, dispersed, Basalt, coarse fragments; Many, very fine (0-1mm) roots; Clear, Smooth change to -
A3	0.1 - 0.21 m	Dark reddish brown (5YR3/3-Moist); Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Granular; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Very weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; 50-90%, stony, 200-600mm, subrounded, dispersed, Basalt, coarse fragments; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
B2	0.21 - 0.6 m	Dark red (2.5YR3/6-Moist); Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; 50-90%, bouldery, 600mm-2m, subrounded, dispersed, Basalt, coarse fragments; Few, very fine (0-1mm) roots;

Chemistry Data

		Organic C%	pH (H2O)	pH (CaCl2)	EC (dS/m)	Exchangeable Bases (meq/100g)				ECEC (meq/100g)	ESP %	Olsen P (mg/kg)	Total N %	Colwell_K (mg/kg)
						Ca	Mg	Na	K					
N33	0 to 75 mm	6.62	5.8	5.0	0.07	9.64	2.65	0.15	0.56	13.59	1.10	3.60	0.53	197
	150 to 225 mm	5.62	6.1	5.2	0.06	8.54	1.99	0.14	0.55	11.96	1.17	3.70	0.47	217
	300 to 600 mm	4.15	6.0	5.5	0.04	8.53	2.28	0.11	0.64	11.68	0.94	3.90	0.31	241