

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N2 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: R. Moreton
Date Desc.: 15/11/05
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Jetsonville
Elevation: 170 metres
Rainfall: 983
Runoff: Rapid
Drainage: Well drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Tertiary Basalt

Conf. Sub. is Parent. Mat.: Certain
Substrate Material: Basalt

Land Form

Rel/Slope Class: Rolling low hills 30-90m
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 12 %

Pattern Type: Hills
Relief: No Data
Slope Category: Gently inclined
Aspect: 220 degrees

Surface Soil Condition (dry): Firm

Erosion: No Data

Soil Classification

Australian Soil Classification:
 Acidic Eutrophic Red Ferrosol Medium Slightly gravelly
 Clay-loamy Clayey Deep

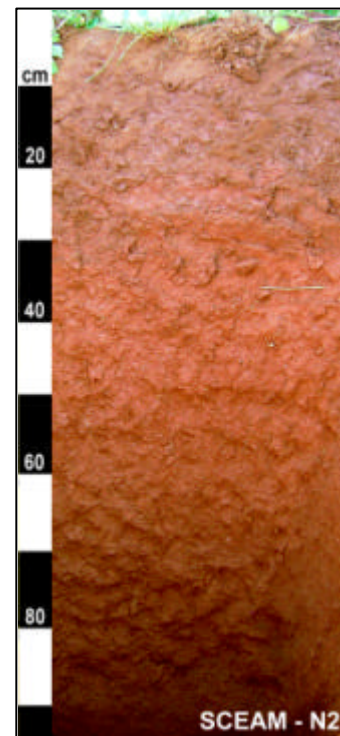
ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture/ Crop

Vegetation:

Surface Coarse Fragments: No surface coarse fragments



Profile Morphology

A1	0 - 0.22 m	Dark reddish brown (2.5YR3/3-Moist); Mottles, 2-10%, 5-15mm, Faint, 2.5YR3/6; Clay loam; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Rough-ped fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Firm consistence; Non-plastic; Very sticky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Basalt, coarse fragments; Very few (0 - 2 %), Manganiferous, Nodules, Fine (0 - 2 mm) segregations; Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B1	0.22 - 0.58 m	Dark red (2.5YR3/6-Moist); Clay loam; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Weak consistence; Non-plastic; Very sticky; Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B2	0.58 - 1.05 m	Dark red (2.5YR3/6-Moist); Clay loam; Moderate grade of structure, 5-10 mm, Angular blocky; Weak grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Weak consistence; Non-plastic; Very sticky;

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					
0	to	75 mm	4.05	6.5	5.6	0.09	12.23	3.10	0.50	1.89	17.72	2.82	34.30	0.35	740
175	to	225 mm	4.12	6.4	5.5	0.09	12.77	2.70	0.60	1.51	17.58	3.41	36.90	0.34	592
280	to	580 mm	1.03	5.2	4.1	0.11	3.44	0.71	0.38	0.44	6.63	5.73	1.00	0.13	161
600	to	900 mm	1.02	4.8	4.4	0.08	3.18	0.72	0.49	0.25	7.04	6.96	2.60	0.11	106
900	to	1050 mm	0.86	5.0	4.4	0.09	3.17	0.85	0.48	0.26	6.71	7.15	1.00	0.10	91