

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N45 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: Heather Hawkins
Date Desc.: 04/07/06
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Near Campbell Town
Elevation: 161 metres
Rainfall: 545
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Qs

Conf. Sub. is Parent. Mat.: Certain
Substrate Material: Tertiary Sediments

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 9 %

Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: 214 degrees

Surface Soil Condition (dry): Firm

Erosion: No Data

Soil Classification

Australian Soil Classification:
 Basic Inceptic Class Undetermined Tenosol Medium
 Non-gravelly Loamy Clayey Deep

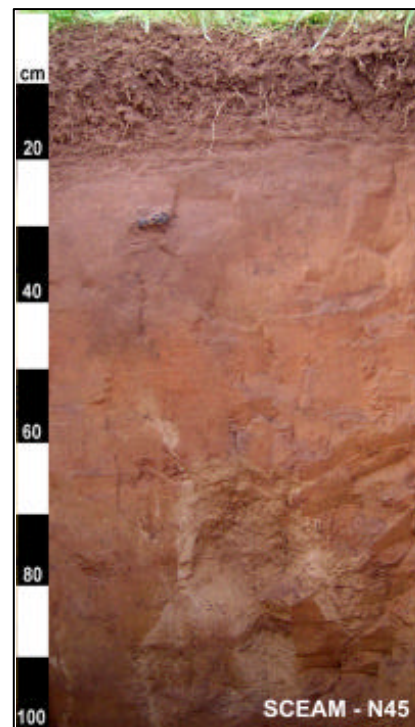
ASC Confidence:

All necessary analytical data are available.

Site Disturbance: No effective disturbance

Vegetation:

Surface Coarse Fragments: No surface coarse fragments



Profile Morphology

A1	0 - 0.21 m	Dark reddish brown (5YR3/3-Moist); Sandy loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Moderately moist; Very weak consistence; Non-plastic; Normal plasticity; Non-sticky; Many, very fine (0-1mm) roots; Abrupt, Wavy change to -
B21t	0.21 - 0.42 m	Dark reddish brown (5YR3/2-Moist); Mottles, 2-10%, 5-15mm, Faint, 5YR2.5/1; Mottles, 2-10%, 5-15mm, Faint, 2.5YR3/4; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; crack; Dry; Weak consistence; Non-plastic; Normal plasticity; Slightly sticky; Few, very fine (0-1mm) roots; Clear, Wavy change to -
B22t	0.42 - 0.6 m	Reddish brown (5YR4/3-Moist); Mottles, 10-20%, 15-30mm, Distinct, 5YR4/6; Mottles, 0-2%, 5-15mm, Distinct, 5YR3/2; Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Firm consistence; Moderately plastic; Normal plasticity; Slightly sticky; Common (10 - 20 %), Manganiferous, Veins, Fine (0 - 2 mm) segregations; Clear, Wavy change to -
BC	0.6 - 1 m	Reddish brown (5YR4/4-Moist); Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence;

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						
N45	0	to	75 mm	1.36	6.9	6.0	0.07	5.92	0.89	0.13	0.94	7.91	1.64	15.50	0.16	383
	200	to	275 mm	0.85	6.8	6.0	0.04	4.35	0.66	0.10	0.46	5.59	1.79	8.70	0.10	201
	500	to	600 mm	0.21	7.0	6.0	0.03	5.60	5.69	0.23	0.35	11.89	1.93	1.50	0.03	148
	650	to	900 mm	0.12	7.4	6.1	0.03	5.21	6.15	0.24	0.32	11.94	2.01	2.70	0.02	142