

**Project Name:** SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania  
**Project Code:** SCEAM **Site ID:** C44 **Observation ID:** 1  
**Agency Name:** TAS Department of Primary Industries and Water

**Site Information**

**Desc. By:** Heather Hawkins  
**Date Desc.:** 22/06/06  
**Map Ref.:**  
**Northing/Long.:**  
**Easting/Lat.:**

**Locality:** Stoodley  
**Elevation:** 161 metres  
**Rainfall:** 1098  
**Runoff:** Slow  
**Drainage:** Moderately well drained

**Geology**

**Exposure Type:** Soil pit  
**Geol. Ref.:** Ordovician Sandstone

**Conf. Sub. is Parent. Mat.:** Certain  
**Substrate Material:** Sandstone

**Land Form**

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

**Pattern Type:** Low hills  
**Relief:** No Data  
**Slope Category:** Gently inclined  
**Aspect:** No Data

**Surface Soil Condition (dry):** Firm

**Erosion:** No Data

**Soil Classification**

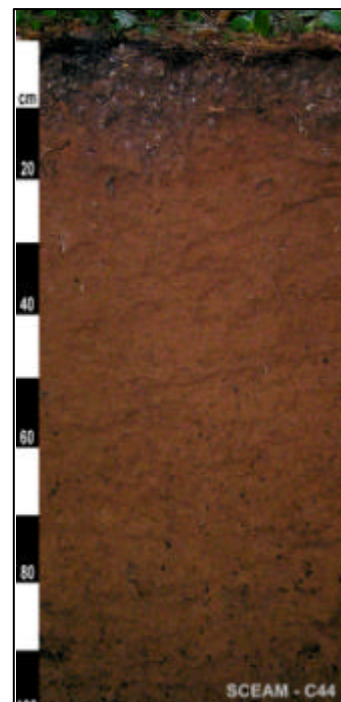
**Australian Soil Classification:**  
 Acidic Dystrophic Red Dermosol Medium Non-gravelly  
 Clay-loamy Clayey Very deep

**ASC Confidence:**  
 All necessary analytical data are available.

**Site Disturbance:** Complete Clearing

**Vegetation:** Radiata Pine

**Surface Coarse Fragments:** None



**Profile Morphology**

O1	-0.02 - 0 m	Organic Layer; Black (5YR2.5/1-Moist); Moderately moist; Loose consistence; Sharp, Smooth change to -
A1	0 - 0.18 m	Dark brown (7.5YR3/2-Moist); Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Firm consistence; Moderately plastic; Normal plasticity; Slightly sticky; Many, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Abrupt, Wavy change to -
B1t	0.18 - 0.62 m	Reddish brown (5YR4/4-Moist); Mottles, 0-2%, 5-15mm, Distinct, 5YR5/8; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Firm consistence; Moderately plastic; Subplastic; Slightly sticky; Common cutans, 10-50% of ped faces or walls coated, faint; Few, fine (1-2mm) roots; Few, fine (1-2mm) roots; Gradual, Wavy change to -
B2t	0.62 - 1 m	Strong brown (7.5YR4/6-Moist); Light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Firm consistence; Moderately plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, faint;

**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	3.73	5.5	4.7	0.06	6.02	2.14	0.14	0.47	9.41	1.49	3.10	0.29	188
200	to 275 mm	2.20	5.3	4.4	0.04	2.78	1.16	0.12	0.32	5.98	2.01	1.70	0.20	118
350	to 600 mm	0.94	4.9	4.2	0.03	0.61	0.34	0.10	0.23	4.04	2.48	1.00	0.11	79
650	to 950 mm	0.45	4.9	4.2	0.03	1.03	0.47	0.11	0.18	4.74	2.32	1.00	0.06	68