

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania  
 Project Code: SCEAM Site ID: C15 Observation ID: 1  
 Agency Name: TAS Department of Primary Industries and Water

**Site Information**

Desc. By: D.B. Kidd  
 Date Desc.: 21/04/05  
 Map Ref.:  
 Northing/Long.:  
 Easting/Lat.:

Locality: Trowutta, forest  
 Elevation: 175 metres  
 Rainfall: 1384  
 Runoff: Moderately rapid  
 Drainage: Moderately 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: Gently undulating plains <9m  
 1-3%

Pattern Type: Hills

Morph. Type: Mid-slope  
 Elem. Type: Hillslope  
 Slope: 8 %

Relief: No Data  
 Slope Category: Very gently sloped  
 Aspect: 32 Degrees

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

**Erosion:** No Data

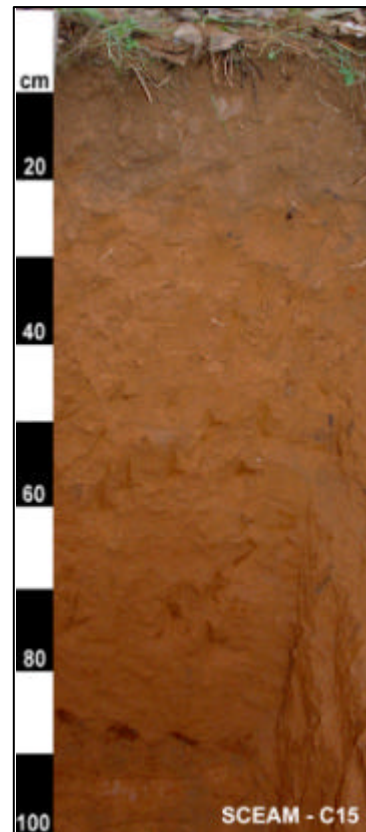
**Soil Classification**

Australian Soil Classification:  
 Acidic Dystrophic Brown Ferrosol  
 Medium Non-gravelly Clayey Clayey Deep  
 ASC Confidence:  
 All analytical data available

**Site Disturbance:** Highly disturbed

**Vegetation:** Plantation

**Surface Coarse Fragments:** None



**Profile Morphology**

O	-0.02 - 0 m	Organic Layer; Light clay; Moderately moist; Non-plastic; Slightly sticky; Abrupt, Smooth change to -
Ap	0 - 0.2 m	Dark yellowish brown (10YR4/6-Moist); Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Medium, (5 - 10) mm crack; Common (1-5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; Field pH 5.6 (pH meter); Common, fine (1-2mm) roots; Common, fine (1-2mm) roots; Common, fine (1-2mm) roots; Clear, Smooth change to -
B1t	0.2 - 0.54 m	Yellowish brown (10YR5/6-Moist); Medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; Very few (0 - 2 %), Ferruginous, Nodules, Medium (2 -6 mm) segregations; Field pH 5.3 (pH meter); Few, fine (1-2mm) roots; Diffuse, Smooth change to -
B2t	0.54 - 1 m	Strong brown (7.5YR5/6-Moist); Mottles, 2-10%, 0-5mm, Faint, 5YR4/6; Medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Moderate grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Moderately moist; Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 5.3 (pH meter); Few, very fine (0-1mm) roots;

**Chemistry**

			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					
C15	0	to 75 mm	4.77	5.3	4.4	0.06	3.56	0.60	0.16	0.32	5.91	2.71	0.00	0.34	115
	200	to 275 mm	4.53	5.4	4.5	0.05	3.66	0.59	0.15	0.32	5.60	2.68	0.00	0.28	122
	350	to 450 mm	0.95	5.4	4.9	0.05	1.54	0.43	0.04	0.43	2.71	1.48	1.10	0.10	157
	600	to 800 mm	0.59	5.4	5.1	0.05	2.53	0.60	0.07	0.20	3.62	1.94	0.90	0.07	78