

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania  
 Project Code: SCEAM Site ID: S13 Observation ID: 1  
 Agency Name: TAS Department of Primary Industries and Water

**Site Information**

Desc. By: C.J. Grose  
 Date Desc.: 24/03/06  
 Map Ref.:  
 Northing/Long.:  
 Easting/Lat.:  
 Locality: near Campania  
 Elevation: 90 metres  
 Rainfall: 545  
 Runoff: Slow  
 Drainage: Imperfect

**Geology**

ExposureType: Soil pit  
 Geol. Ref.: Tb  
 Conf. Sub. is Parent. Mat.: Probable  
 Substrate Material: Basalt

**Land Form**

Rel/Slope Class: No Data  
 Morph. Type: Mid-slope  
 Elem. Type: Hillslope  
 Slope: 7 %  
 Pattern Type: Low hills  
 Relief: No Data  
 Slope Category: Gently inclined  
 Aspect: 3

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

**Erosion:** Partial, Not apparent (sheet)

**Soil Classification**

**Australian Soil Classification:**  
 Haplic Class Undetermined Grey Chromosol Medium  
 Non-gravelly Loamy Clayey Clay-loamy

**ASC Confidence:**  
 reasonable confidence.

**Site Disturbance:** Cultivation. Irrigated, past or present

**Vegetation:**

**Surface Coarse Fragments:** 0-2%, cobbly, 60-200mm, subangular, Basalt



**Profile Morphology**

AP	0 - 0.2 m	Very dark brown (10YR2/2-Moist); Mechanical, 2-10%, 5-15mm, Distinct, 10YR4/3; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; crack; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Non-plastic; Normal plasticity; Slightly sticky; Clear, Wavy change to -
B1t	0.2 - 0.34 m	Dark brown (7.5YR3/3-Moist); Mottles, 10-20%, 0-5mm, Faint, 7.5R5/6; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Very plastic; Normal plasticity; Moderately sticky; 10-20%, cobbly, 60-200mm, subangular, Basalt, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Few, very fine (0-1mm) roots; Clear,
B2t	0.34 - 0.65 m	Dark greyish brown (10YR4/2-Moist); Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Very plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Abrupt, Irregular change to -
R	0.65 - m	Rock

**Chemistry Data**

S13

			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	1.71	7.1	6.3	0.13	9.69	3.77	0.53	0.68	14.83	3.57	79.60	0.20	279
100	to	200 mm	1.42	8.1	7.0	0.17	9.80	2.82	0.40	0.21	13.26	3.02	68.00	0.12	85
200	to	275 mm	1.51	6.9	6.1	0.10	8.21	3.44	0.48	0.26	12.52	3.83	61.90	0.15	115
340	to	650 mm	0.67	8.0	7.0	0.12	8.72	23.74	3.31	0.14	35.93	9.21	1.50	0.08	46