

Project Name: **SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania**  
 Project Code: **SCEAM** Site ID: **N35** Observation ID: **1**  
 Agency Name: **TAS Department of Primary Industries and Water**

**Site Information**

Desc. By: D.B. Kidd  
 Date Desc.: 14/09/05  
 Map Ref.:  
 Northing/Long.:  
 Easting/Lat.:  
 Locality: Evercreech  
 Elevation: 271 metres  
 Rainfall: 909  
 Runoff: Slow  
 Drainage: Well drained

**Geology**

Exposure Type: Soil pit  
 Geol. Ref.: Qa  
 Conf. Sub. is Parent. Mat.: No Data  
 Substrate Material: No Data

**Land Form**

Rel/Slope Class: Gently undulating plains <9m  
 1-3%  
 Pattern Type: Flood plain  
 Morph. Type: Flat  
 Elem. Type: Valley flat  
 Slope: 2 %  
 Relief: No Data  
 Slope Category: Very gently sloped  
 Aspect: 175 degrees

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

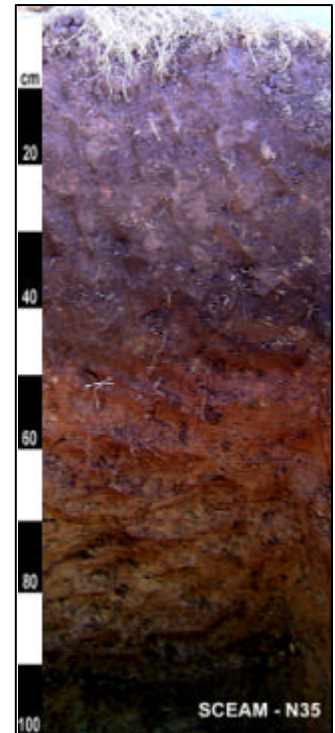
**Soil Classification**

**Australian Soil Classification:**  
 Melanic Mesotrophic Brown Dermosol Thick Non-gravelly  
 Clay-loamy Clayey Deep

**ASC Confidence:**  
 reasonable confidence.

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

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



**Profile Morphology**

- A11 0 - 0.15 m Very dark greyish brown (10YR3/2-Moist); Clay loam; Strong grade of structure, 10-20 mm, Polyhedral; Strong grade of structure, 2-5 mm, Angular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
- A12 0.15 - 0.45 m Very dark greyish brown (10YR3/2-Moist); Loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Slightly plastic; Normal plasticity; Moderately sticky; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
- B1t 0.45 - 0.68 m Dark yellowish brown (10YR3/4-Moist); Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Moist; Weak consistence; Moderately plastic; Normal plasticity; Very sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Sandstone, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), Manganiferous, Soft segregations, Fine (0 - 2 mm) segregations; Few, very fine (0-1mm) roots; Gradual, Smooth
- B2t 0.68 - 0.9 m Light olive brown (2.5Y5/4-Moist); Mottles, 0-2%, 5-15mm, Faint; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Sandstone, coarse fragments; Few (2 - 10 %), Manganiferous, Soft segregations, Medium (2 - 6 mm) segregations; Few (2 - 10 %), Manganiferous, Nodules, Medium (2 - 6 mm) segregations; Gradual, Smooth change to -
- BC 0.9 - 1.1 m Greyish brown (2.5Y5/3-Moist); Mottles, 2-10%, 5-15mm, Distinct, 10YR4/6; Light clay; Massive grade of structure; Rough-ped fabric; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Sandstone, coarse fragments; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Soft segregations, Medium (2 - 6 mm) segregations; Few (2 - 10 %), Manganiferous, Nodules, Medium (2 - 6 mm) segregations;
- BC 0.9 - 1.1 m Greyish brown (2.5Y5/3-Moist); Mottles, 2-10%, 5-15mm, Distinct, 10YR4/6; Light clay; Massive grade of structure; Rough-ped fabric; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, dispersed, Sandstone, coarse fragments; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Soft segregations, Medium (2 - 6 mm) segregations; Few (2 - 10 %), Manganiferous, Nodules, Medium (2 - 6 mm) segregations;

**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					
N35 0 to 75 mm	4.61	5.6	4.9	0.06	8.50	1.27	0.16	0.34	11.35	1.41	13.60	0.41	136
200 to 275 mm	5.74	5.9	5.2	0.11	15.19	1.87	0.27	0.56	18.33	1.47	25.70	0.50	216
300 to 450 mm	4.91	4.8	4.3	0.08	2.42	0.40	0.16	0.29	7.13	2.24	7.40	0.33	120
450 to 650 mm	1.02	5.0	4.4	0.05	2.20	1.31	0.10	0.07	5.35	1.87	4.70	0.07	31
700 to 900 mm	0.52	6.0	5.4	0.05	1.67	2.75	0.27	0.13	5.21	5.18	4.20	0.04	50