

**Project Name:** SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania  
**Project Code:** SCEAM **Site ID:** N65 **Observation ID:** 1  
**Agency Name:** TAS Department of Primary Industries and Water

**Site Information**

**Desc. By:** Heather Hawkins  
**Date Desc.:** 17/07/06  
**Map Ref.:**  
**Northing/Long.:**  
**Easting/Lat.:**

**Locality:** Leverington  
**Elevation:** 175 metres  
**Rainfall:** 595  
**Runoff:** Slow  
**Drainage:** Moderately well drained

**Geology**

**Exposure Type:** Soil pit  
**Geol. Ref.:** No Data

**Conf. Sub. is Parent. Mat.:** Not parent  
**Substrate Material:** Tertiary Sediments

**Land Form**

**Rel/Slope Class:** Gently undulating rises 9-30m  
 1-3%

**Pattern Type:** Rises

**Morph. Type:** Flat  
**Elem. Type:** Hillcrest  
**Slope:** 0 %

**Relief:** No Data  
**Slope Category:** Very gently sloped  
**Aspect:** No Data

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

**Erosion:** No Data

**Soil Classification**

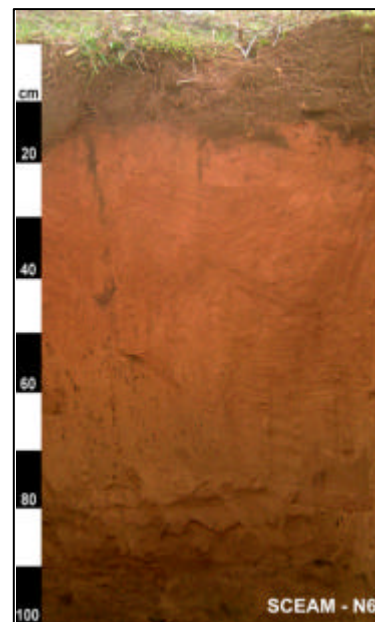
**Australian Soil Classification:**  
 Basic Ferric Class Undetermined Tenosol Medium  
 Non-gravelly Sandy Clay-loamy Very deep

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

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

**Vegetation:** Pasture/ Crop

**Surface Coarse Fragments:** None



**Profile Morphology**

A1p	0 - 0.18 m	(/-Moist); Loamy sand; Weak grade of structure, 5-10 mm, Subangular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Common, very fine (0-1mm) roots; Clear, Wavy change to -
B21t	0.18 - 0.54 m	Yellowish red (5YR4/6-Moist); Biological mixing, 0-2%, 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Abrupt, Smooth change
B22t	0.54 - 0.88 m	Strong brown (7.5YR5/6-Moist); Mottles, 0-2%, 0-5mm, Distinct; Clayey sand; Single grain grade of structure; ; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Sharp, Smooth change to -
B23t	0.88 - 1.03 m	Brown (7.5YR5/4-Moist); Substrate influence, 20-50%, 15-30mm, Prominent, 5YR5/8; Substrate influence, 20-50%, 15-30mm, Prominent, 7.5YR4/6; Clay loam, sandy; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Common (10 - 20 %), Ferromanganiferous, Nodules, Very coarse (20 - 60 mm) segregations;

**Chemistry Data**

N65	Depth	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	0.82	6.3	5.8	0.05	2.89	0.62	0.09	0.63	4.29	2.10	35.60	0.10	270
200	to 275 mm	0.23	5.9	5.0	0.03	1.20	0.37	1.06	0.41	3.34	31.74	31.20	0.04	160
570	to 850 mm	0.12	6.5	6.2	0.02	1.10	0.21	0.11	0.21	1.69	6.51	2.40	0.02	87
900	to 1020 mm	0.12	7.1	6.6	0.08	2.91	6.46	0.76	0.24	10.42	7.29	0.90	0.02	95