Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** C18 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: Susan Tate
Date Desc.: 19/04/05
Map Ref.:
Northing/Long.:
Easting/Lat.:
Locality: Togari
Elevation: 29 metres
Rainfall: 1266
Runoff: Very slow
Drainage: Imperfectly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Quaternary Alluvium
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Fan
Slope: 1 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Level
Aspect: 300 degrees

Surface Soil Condition (dry): Firm

Erosion: No Data

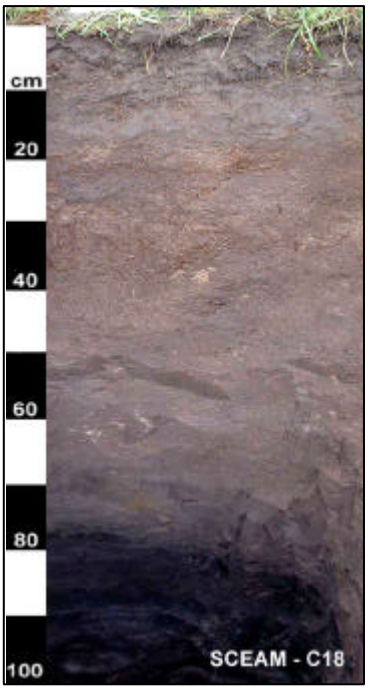
Soil Classification

Australian Soil Classification:
Basic Inceptic Tenosol Thick Non-gravelly Loamy Clayey Deep
ASC Confidence:
reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: None



Profile Morphology

A1	0 - 0.2 m	Black (10YR2/1-Moist); Fine sandy loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Moderately moist; Weak consistence; Non-plastic; Non-sticky; Field pH 5.6 (pH meter); Common, very fine (0-1mm) roots; Abrupt, Wavy change to -
2A1b	0.2 - 0.36 m	(7.5YR2.5/1-Moist); Mottles, 20-50%, 0-5mm, Distinct, 5YR3/3; Loamy fine sand; Weak grade of structure, 2-5 mm, Subangular blocky; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Non-plastic; Non-sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Nodules, Medium (2 -6 mm) segregations; Field pH 5.7 (pH meter); Few, very fine (0-1mm) roots; Clear, Wavy change to -
2A2b	0.36 - 0.7 m	Very dark grey (10YR3/1-Moist); Mottles, 0-2%, 5-15mm, Distinct, 10YR5/1; Silty loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.8 (pH meter); Few, very fine (0-1mm) roots; Clear, Smooth
2B1b	0.7 - 0.82 m	Very dark grey (10YR3/1-Moist); Mottles, 2-10%, 0-5mm, Distinct, 7.5YR4/6; Light clay; Earthy fabric; Moderately moist; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Nodules, Coarse (6 - 20 mm) segregations; Organic pan, Uncemented, Continuous, Massive; Field pH 6 (pH meter); Sharp, Smooth change to -
3B2b	0.82 - 1.25 m	Black (10YR2/1-Moist); Mottles, 2-10%, 5-15mm, Faint, 10YR3/1; Loam; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Slightly sticky; Field pH 6 (pH meter);

Chemistry Data

				Organic C%	pH (H20)	pH (CaCl2)	EC (dS/m)	Exchangeable Bases (meq/100g) Ca	Mg	Na	K	ECEC (meq/100g)	ESP %	Olsen P (mg/kg)	Total N %	Colwell_K (mg/kg)
18																
0	to	75	mm	5.08	6.3	5.6	0.16	10.68	4.48	0.27	0.45	16.03	1.68	0.00	0.29	162
200	to	275	mm	5.49	6.0	5.2	0.14	9.77	4.35	0.29	0.38	14.97	1.94	0.00	0.37	151
820	to	1250	mm	1.58	6.3	5.7	0.09	10.80	1.91	0.22	0.25	13.24	1.66	1.90	0.09	103