

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: C20 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: D.B. Kidd
 Date Desc.: 20/04/05
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:

Locality: Togari
 Elevation: 30 metres
 Rainfall: 1270
 Runoff: Moderately rapid
 Drainage: Poorly 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: Alluvial plain

Morph. Type: Flat
 Elem. Type: Backplain
 Slope: 1 %

Relief: No Data
 Slope Category: Level
 Aspect: 0

Surface Soil Condition (dry): Firm

Erosion: No Data

Soil Classification

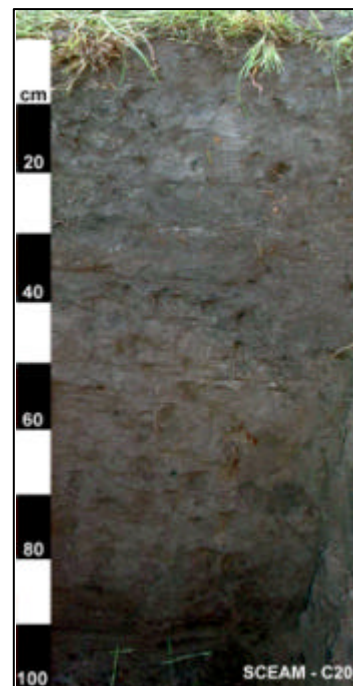
Australian Soil Classification:
 Humose-Acidic Dermosolic Oxyaquic Hydrosol Thick
 Non-gravelly Loamy Clay-loamy Deep

ASC Confidence:
 reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: None



Profile Morphology

A11	0 - 0.12 m	Black (10YR2/1-Moist); Sandy loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Granular; Sandy (grains prominent) fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moist; Very weak consistence; Non-plastic; Non-sticky; Field pH 7.1 (pH meter); Common, very fine (0-1mm) roots; Clear, Irregular
A12	0.12 - 0.3 m	Very dark brown (10YR2/2-Moist); Sandy loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moist; Very weak consistence; Non-plastic; Non-sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 7.1 (pH meter); Common, very fine (0-1mm) roots; Sharp, Wavy change to -
2O1b	0.3 - 0.32 m	Organic Layer; Black (10YR2/1-Moist); Fibric peat; Single grain grade of structure; Sandy (grains prominent) fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moist; Loose consistence; Non-plastic; Non-sticky; Field pH 6.8 (pH meter); Many, very fine (0-1mm) roots; Sharp, Irregular change to -
2A1b	0.32 - 0.43 m	Black (10YR2/1-Moist); Sandy peat; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Moist; Weak consistence; Non-plastic; Non-sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6.8 (pH meter); Common, very fine (0-1mm) roots; Clear, Irregular change to -
2A2b	0.43 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); Mottles, 2-10%, 0-5mm, Faint, 10YR6/1; Loamy sand (Light); Weak grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 2-5 mm, Granular; Sandy (grains prominent) fabric; Moist; Very weak consistence; Non-plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6.7 (pH meter); Common, very fine (0-1mm) roots; Gradual,
2B2b	0.6 - 1 m	Very dark greyish brown (10YR3/2-Moist); Mottles, 2-10%, 0-5mm, Faint, 10YR5/1; Sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Moist; Weak consistence; Non-plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 5.1 (pH meter); Common, very fine (0-1mm)

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					
0	to 75 mm	4.69	6.6	5.9	0.15	12.93	4.97	0.25	0.22	18.37	1.36	0.00	0.39	81
200	to 275 mm	4.36	5.9	5.0	0.08	5.65	3.74	0.16	0.13	9.68	1.65	0.00	0.27	48
430	to 600 mm	3.43	5.2	4.3	0.09	1.98	0.55	0.20	0.33	4.09	4.88	33.30	0.15	148
600	to 900 mm	1.84	4.9	4.0	0.06	1.39	0.51	0.10	0.17	4.13	2.42	3.10	0.11	78