

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** C23 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

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

Locality: near Roger River
Elevation: 34 metres
Rainfall: 1393
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: Undulating rises 9-30m 3-10%
Morph. Type: Flat
Elem. Type: Backplain
Slope: 3 %

Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Very gently sloped
Aspect: 307 degrees

Surface Soil Condition (dry): Firm

Erosion: No Data

Soil Classification

Australian Soil Classification:
 Humose-Acidic Dermosolic Oxyaquic Hydrosol
 Medium Non-gravelly Clay-loamy Clayey Deep

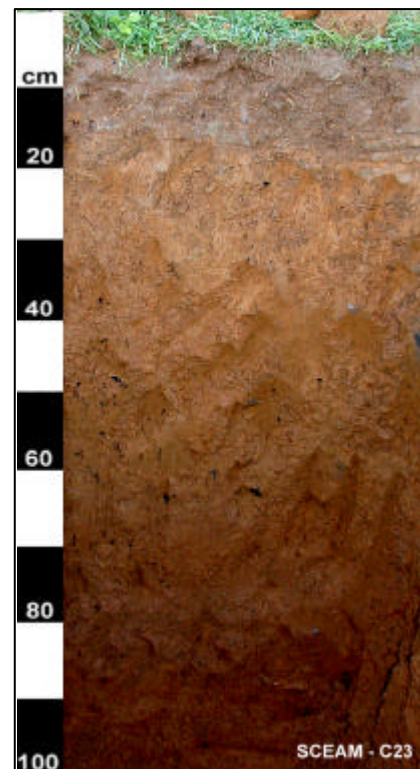
ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: None



Profile Morphology

A1	0 - 0.15 m	Dark brown (10YR3/3-Moist); Silty clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 7.2 (pH meter); Many, very fine (0-1mm) roots; Abrupt, Wavy change to -
B1t	0.15 - 0.35 m	Dark yellowish brown (10YR4/6-Moist); Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Clear, Smooth change to -
B2t	0.35 - 1 m	Dark yellowish brown (10YR4/6-Moist); Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Moist; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated, faint; Field pH 6.5 (pH meter); Few, very fine

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						
C23	0	to	75 mm	5.71	5.6	4.7	0.10	8.31	3.04	0.28	0.60	12.23	2.29	0.00	0.39	229
	200	to	275 mm	2.81	5.8	4.8	0.04	4.34	3.21	0.18	0.42	8.15	2.21	0.00	0.16	163
	300	to	600 mm	1.57	5.6	4.9	0.15	3.14	1.70	0.16	0.82	6.36	2.52	2.30	0.13	327
	600	to	900 mm	1.06	5.4	4.5	0.07	1.22	1.51	0.14	0.19	4.65	3.01	1.40	0.09	73