

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** S1 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: Darren Kidd
Date Desc.: 25/06/05
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Near Nala
Elevation: 379 metres
Rainfall: 565
Runoff: Fast
Drainage: Imperfect

Geology

Exposure Type: Soil pit
Geol. Ref.: Triassic Sandstone
Conf. Sub. is Parent. Mat.: Probable
Substrate Material: Sandstone

Land Form

Rel/Slope Class: Rolling rises 9-30m 10-32%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 8 %

Pattern Type: Low hills
Relief: No Data
Slope Category: Gently inclined
Aspect: 73 degrees

Surface Soil Condition (dry): Soft

Erosion: Partial, Minor (sheet)

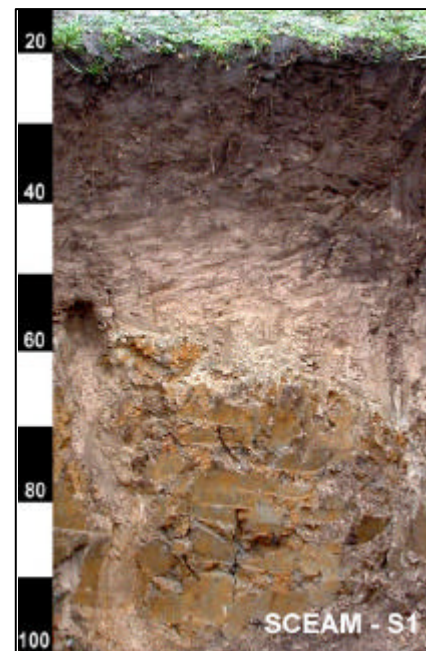
Soil Classification

Australian Soil Classification:
 Eutrophic Mottled-Subnatric Grey Sodosol Medium
 Non-gravelly Clay-loamy Clayey Deep
ASC Confidence:
 reasonable confidence.

Site Disturbance: Complete clearing

Vegetation: Pasture

Surface Coarse Fragments: None



Profile Morphology

A11	0 - 0.12 m	Very dark brown (10YR2/2-Moist); Sandy clay loam; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Earthy fabric; Weak consistence; Non-plastic; Non-sticky; Field pH 6.5 (pH meter); CommonClear, Wavy change to -
A12	0.12 - 0.23 m	Very dark grey (10YR3/1-Moist); Sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Very weak consistence; Non-plastic; Non-sticky; Field pH 6.5 (pH meter); FewGradual, Smooth change to -
A21	0.23 - 0.33 m	Greyish brown (10YR5/2-Dry); Sandy loam; Weak grade of structure, <2 mm, Subangular blocky; Earthy fabric; Very weak consistence; Non-plastic; Non-sticky; Field pH 6.4 (pH meter); FewClear, Smooth change to -
A22e	0.33 - 0.4 m	Pale yellow (2.5Y7/3-Dry); Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Non-plastic; Non-sticky; Field pH 6.5 (pH meter); FewAbrupt, Tongued change to -
B2t	0.4 - 0.8 m	Grey (2.5Y5/1-Moist); 20-50%, 5-15mm, Prominent, 10YR4/6; Heavy clay; Weak grade of structure, 100-200 mm, Angular blocky; Weak grade of structure, 50-100 mm, Angular blocky; Rough-ped fabric; Very strong consistence; Slightly plastic; Normal plasticity; Slightly sticky; Field pH 6.2 (pH meter); Few

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_I (mg/kg)
							Ca	Mg	Na	K					
S1	0	to 75 mm	2.11	5.6	4.8	0.07	3.73	1.06	0.11	0.26	5.46	2.01	14.60	0.19	116
	120	to 230 mm	1.70	5.8	4.9	0.05	5.46	1.41	0.15	0.14	7.21	2.08	0.00	0.11	70
	230	to 330 mm	0.63	6.1	5.3	0.06	3.43	0.62	0.09	0.11	4.25	2.12	0.00	0.06	38
	330	to 400 mm	0.33	6.2	5.5	0.03	1.29	0.39	0.07	0.10	1.85	3.78	0.00	0.02	38
	400	to 700 mm	0.67	6.0	4.8	0.11	7.13	12.07	1.88	0.61	22.52	8.35	0.00	0.09	220