

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N41 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: R. Moreton
Date Desc.: 14/07/06
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Near Perth
Elevation: 149 metres
Rainfall: 619
Runoff: Very slow
Drainage: Well drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Ts

Conf. Sub. is Parent. Mat.: Certain
Substrate Material: Tertiary Sediments

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Crest
Elem. Type: Dune
Slope: 2 %

Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Very gently sloped
Aspect: 290 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

Australian Soil Classification:
 Melanic Ferric Chernic Tenosol Thick Non-gravelly
 Sandy Clayey Deep
ASC Confidence:
 All necessary analytical data are available.



Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 12 m	Very dark greyish brown (10YR3/2-Moist); Moderately moist; Non-plastic; Slightly sticky; Many, very fine (0-1mm) roots; Gradual, Smooth change to -
A12	12 - 40 m	Dark brown (10YR3/3-Moist); Moderately moist; Non-plastic; Slightly sticky; Common, very fine (0-1mm) roots; Clear, Wavy change to -
A2	40 - 70 m	Dark yellowish brown (10YR3/4-Moist); Mottles, 2-10%, 5-15mm, Faint, 10YR4/4; Moderately moist; Non-plastic; Slightly sticky; Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B2	70 - 90 m	Strong brown (7.5YR4/6-Moist); Mottles, 2-10%, 15-30mm, Prominent, 7.5YR5/8; Mottles, 2-10%, 5-15mm, Prominent, 7.5YR5/6; Moderately moist; Slightly plastic; Slightly sticky; Abrupt, Wavy change to -
B3	90 - m	Moderately moist;

Chemistry Data

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			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	1.81	7.2	6.7	0.11	6.19	0.83	0.38	0.38	7.82	4.86	20.30	0.17	150
150	to	225 mm	1.19	6.5	5.5	0.07	2.49	0.45	0.38	0.22	3.62	10.50	13.20	0.19	86
400	to	700 mm	0.13	6.9	6.3	0.03	1.23	0.36	0.20	0.08	1.89	10.58	2.10	0.06	42
700	to	900 mm	0.11	7.4	6.5	0.05	1.80	2.37	0.47	0.14	4.81	9.77	0.80	0.02	67