

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N46 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: Heather Hawkins
Date Desc.: 20/06/06
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: near Longwod
Elevation: 166 metres
Rainfall: 650
Runoff: Slow
Drainage: Rapidly drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Qd

Conf. Sub. is Parent. Mat.: Not parent
Substrate Material: Tertiary Sediments

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Flat
Elem. Type: Plain
Slope: %

Pattern Type: Plain
Relief: No Data
Slope Category: Level
Aspect: 30 degrees

Surface Soil Condition (dry): Loose

Erosion: No Data

Soil Classification

Australian Soil Classification:

Acidic Regolithic Class Undetermined Tenosol Very thick Non-gravelly Sandy Sandy Very deep

ASC Confidence:

All necessary analytical data are available.

Site Disturbance: No effective disturbance

Vegetation:

Surface Coarse Fragments: None



Profile Morphology

A11p	0 - 0.18 m	Dark greyish brown (10YR4/2-Moist); Loamy sand; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Dry; Very weak consistence; Non-plastic; Non-sticky; Abundant, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Abrupt, Wavy change to -
A12	0.18 - 0.62 m	Dark yellowish brown (10YR4/6-Moist); Medium sand; Weak grade of structure, 10-20 mm, Angular blocky; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B1	0.62 - 0.95 m	Brownish yellow (10YR6/6-Moist); Fine sand; Weak grade of structure, 20-50 mm, Angular blocky; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Clear, Smooth change to -
B2	0.95 - 1.1 m	Yellowish brown (10YR5/6-Moist); Mottles, 10-20%, 5-15mm, Distinct, 10YR3/3; Mottles, 20-50%, 5-15mm, Distinct, 10YR4/6; Fine sand (Heavy); Weak grade of structure, 20-50 mm, Angular blocky; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky;

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					
N46 0 to 75 mm	1.02	6.7	6.1	0.06	4.94	0.19	0.06	0.32	5.54	1.08	37.60	0.10	126
190 to 265 mm	0.95	6.5	5.8	0.04	4.68	0.16	0.06	0.22	5.16	1.16	36.10	0.09	101
300 to 550 mm	0.14	5.3	4.6	0.01	0.54	0.08	0.05	0.16	1.40	3.57	15.10	0.02	71
650 to 930 mm	0.10	5.7	5.0	0.02	0.72	0.09	0.06	0.16	1.29	4.65	4.00	0.02	77
970 to 1100 mm	0.08	6.6	5.9	0.02	0.96	0.22	0.09	0.20	1.55	5.81	2.00	0.02	91