

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: N7 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: D.B. Kidd
 Date Desc.: 05/08/04
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:
 Locality: Nearest town, Hagley.
 Elevation: No Data
 Rainfall: No Data
 Runoff: Moderately rapid
 Drainage: Imperfectly drained

Geology

Exposure Type: Soil pit
 Geol. Ref.: Qa
 Conf. Sub. is Parent. Mat.: Qa
 Substrate Material: Clay

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-32%
 Morph. Type: Crest
 Elem. Type: Hillslope
 Slope: 4 %
 Pattern Type: Low hills
 Relief: No Data
 Slope Category: Very gently sloped
 Aspect: No Data

Surface Soil Condition (dry): Firm

Erosion: Partial, Minor (sheet)

Soil Classification

Australian Soil Classification:
 Rudaceous Bleached-Sodic Brown Dermosol Fine Medium
 Slightly gravelly Clay-loamy Clayey

ASC Confidence:
 Analytical data is complete.

Site Disturbance: Complete clearing. Cultivation.

Vegetation:

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm



Profile Morphology

AP	0 - 0.21 m	Dark yellowish brown (10YR3/4-Moist); Clay loam; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; Non-plastic; Non-sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Dolerite, coarse fragments; Common, very fine (0-1mm) roots; Abrupt, Wavy change to -
A3	0.21 - 0.37 m	Dark brown (7.5YR3/4-Moist); Mottles, 0-2%, 0-5mm, Faint; Light clay; Weak grade of structure, 2-5 mm, Polyhedral; Earthy fabric; Moist; Very weak consistence; Non-plastic; Non-sticky; 50-90%, cobbly, 60-200mm, subrounded, stratified, Dolerite, coarse fragments; Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
B2t	0.37 - 1.2 m	Strong brown (7.5YR4/6-Moist); Mottles, 10-20%, 0-5mm, Distinct, 2.5YR5/6; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Rough-ped fabric; Moist; Firm consistence; Slightly plastic; Normal plasticity; Moderately sticky; 10-20%, coarse gravelly, 20-60mm, subrounded, dispersed, Lacustrine Sediment, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Very few (0 - 2 %), Ferromanganiferous, Soft segregations, Fine (0 - 2 mm) segregations; Very few (0 - 2 %), Ferruginous-organic, Soft segregations, Fine (0 - 2 mm) segregations; Few, very fine (0-1mm) roots;

Chemistry

	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					
N7 0 to 75 mm	2.30	6.2	5.5	0.07	11.08	2.96	0.12	0.28	14.44	0.83	24.60	0.22	95
175 to 250 mm	2.42	6.1	5.5	0.11	10.66	2.89	0.19	0.44	14.18	1.34	27.60	0.22	189
370 to 670 mm	0.44	6.5	5.9	0.08	9.94	4.34	0.13	0.14	14.63	0.89	1.40	0.08	51
700 to 1000 mm	0.39	6.2	5.4	0.05	8.06	6.13	0.16	0.15	14.66	1.09	1.90	0.05	55