

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: S18 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: R. Moreton
 Date Desc.: 23/03/06
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:
 Locality: Brighton
 Elevation: 99 metres
 Rainfall: 519
 Runoff: Very rapid
 Drainage: Well drained

Geology

ExposureType: Soil pit
 Geol. Ref.: Jurassic Dolerite
 Conf. Sub. is Parent. Mat.: Certain
 Substrate Material: Dolerite

Land Form

Rel/Slope Class: Rolling hills 90-300m 10-32%
 Morph. Type: Upper-slope
 Elem. Type: Hillslope
 Slope: 20 %
 Pattern Type: Low hills
 Relief: No Data
 Slope Category: Moderately inclined
 Aspect: 355 degrees

Surface Soil Condition (dry): Loose

Erosion: Partial, Minor (sheet)

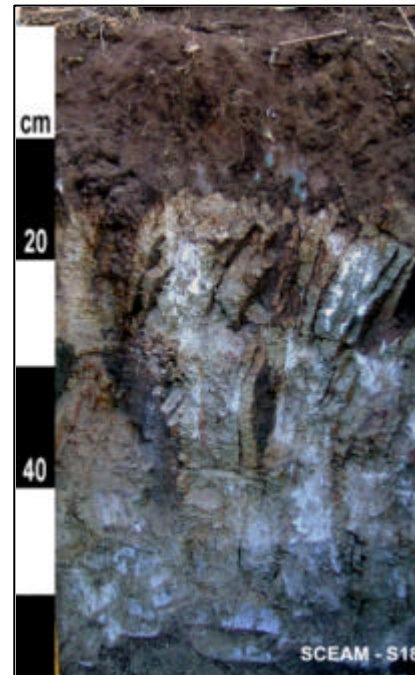
Soil Classification

Australian Soil Classification:
 Basic Paralithic Leptic Rudosol Non-gravelly
 Clay-loamy Shallow

ASC Confidence:
 All necessary analytical data are available.

Site Disturbance: Extensive clearing

Surface Coarse Fragments: 10-20%, cobbly, 60-200mm



Profile Morphology

A11	0 - 0.03 m	Black (10YR2/1-Moist); Dark brown (10YR3/3-Moist); Clay loam; Weak grade of structure, <2 mm, Polyhedral; Earthy fabric; Dry; Non-plastic; Slightly sticky; 0-2%, coarse gravelly, 20-60mm, subangular, dispersed, Dolerite, coarse fragments; Few, very fine (0-1mm) roots; Clear, Smooth change to -
A12	0.03 - 0.17 m	(/-Moist); Dark brown (7.5YR3/2-Moist); Clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Slightly sticky; 0-2%, coarse gravelly, 20-60mm, subangular, dispersed, Dolerite, coarse fragments; Few, very fine (0-1mm) roots; Sharp, Smooth change to -
CR	0.17 - 0.54 m	Olive brown (2.5Y4/4-Moist); Light grey (2.5Y7/2-Moist); Massive grade of structure; Earthy fabric; Dry;

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					
0	to 75 mm	3.52	6.4	5.7	0.06	18.53	6.75	0.24	0.63	26.23	0.91	6.80	0.38	267
200	to 500 mm	0.37	7.3	6.6	0.04	9.57	7.15	0.14	0.05	16.93	0.83	0.90	0.03	24