

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N29 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: C.J. Grose
Date Desc.: 07/09/05
Map Ref.:
Northing/Long.:
Easting/Lat.:
Locality: Upper Blessington
Elevation: 451 metres
Rainfall: 1055
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Dgr
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-32%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 7 %
Pattern Type: Low hills
Relief: No Data
Slope Category: Gently inclined
Aspect: 146 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

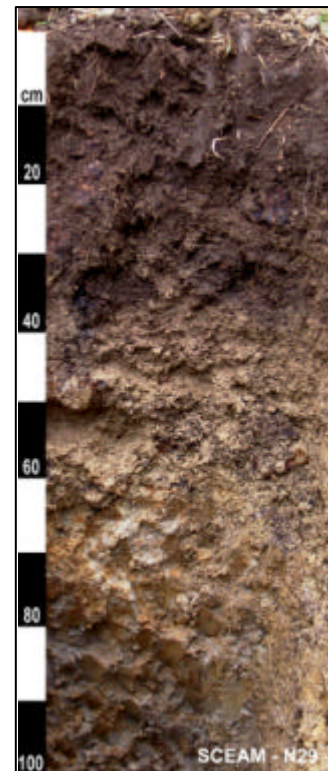
Soil Classification

Australian Soil Classification:
 Ferric Eutrophic Yellow Dermosol Medium Slightly gravelly
 Loamy Clayey Deep
ASC Confidence:
 reasonable confidence.

Site Disturbance: Highly disturbed

Vegetation:

Surface Coarse Fragments: 2-10%, bouldery, 600mm-2m



Profile Morphology

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); Loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Granular; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Moderately plastic; Non-sticky; Common, very fine (0-1mm) roots; Clear, Smooth change to
A3	0.12 - 0.33 m	Dark greyish brown (10YR4/2-Moist); Clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very weak consistence; Non-plastic; Non-sticky; 10-20%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; 2-10%, stony, 200-600mm, subrounded, dispersed, Dolerite, coarse fragments; Many (20 - 50 %), Ferruginous, Nodules, Coarse (6 - 20 mm) segregations; Common, very fine (0-1mm) roots; Clear, Wavy change to
B21gc	0.33 - 0.6 m	Light yellowish brown (10YR6/4-Moist); Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Wet; Very weak consistence; 50-90%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Very many (50 - 100 %), Ferruginous, Nodules, Coarse (6 - 20 mm) segregations; Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
B22gc	0.6 - 0.84 m	Pale brown (10YR6/3-Moist); Mottles, 20-50%, 15-30mm, Prominent, 10YR5/6; Light medium clay; Moderate grade of structure, 10-20 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Very plastic; Normal plasticity; Moderately sticky; Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
Cg	0.84 - 1.05 m	Greyish brown (2.5Y5/2-Moist); Mottles, 10-20%, 15-30mm, Prominent, 10YR5/6; Light medium clay; Weak grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Firm consistence; Very plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Few, very fine (0-1mm) roots;

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					
N29 0 to 75 mm	3.45	5.8	4.8	0.07	5.93	1.18	0.14	0.21	7.98	1.75	5.00	0.28	88
150 to 225 mm	2.76	5.7	4.8	0.05	4.96	1.00	0.13	0.14	6.86	1.89	3.00	0.22	53
130 to 330 mm	0.93	6.0	5.0	0.02	2.14	0.79	0.09	0.09	3.24	2.78	5.20	0.07	42
330 to 600 mm	0.27	5.9	5.0	0.01	1.09	0.76	0.08	0.11	2.10	3.81	2.40	0.02	37
600 to 840 mm	0.29	5.6	4.4	0.01	3.10	4.29	0.21	0.13	9.32	2.25	1.30	0.03	55
840 to 1050 mm	0.33	5.4	4.1	0.01	5.67	8.12	0.40	0.21	17.40	2.30	1.60	0.03	88