

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: N4 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: D. Kidd
 Date Desc.: 05/08/04
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:

Locality: Carrick
 Elevation: 181 metres
 Rainfall: 732
 Runoff: Slow
 Drainage: Moderately Well

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: Simple-slope
 Elem. Type: Hillslope
 Slope: 3 %

Pattern Type: Low hills
 Relief: No Data
 Slope Category: Very gently sloped
 Aspect: 234 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Minor (sheet) Partial, Minor (rill)

Soil Classification

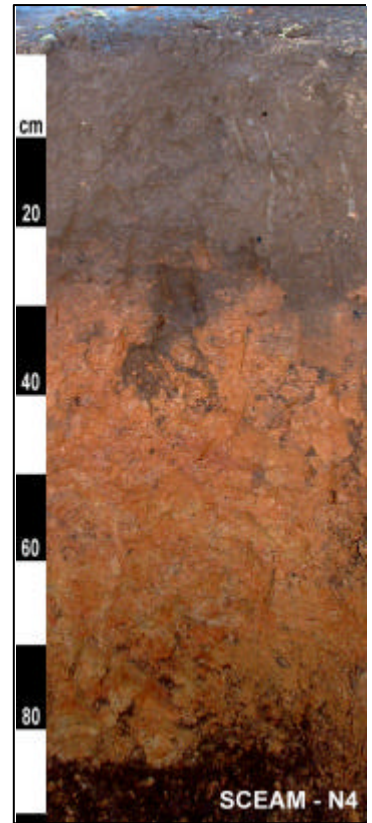
Australian Soil Classification:
 Melanic-Sodic Eutrophic Red Dermosol Medium Gravelly
 Clay-loamy Clayey Deep

ASC Confidence:
 reasonable confidence.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm



Profile Morphology

Ap	0 - 0.02 m	Dark reddish brown (5YR2.5/2-Moist); Clay loam; ; Earthy fabric; Moderately moist; Weak consistence; Non-plastic; Non-sticky; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, coarse fragments; Very few (0 - 2 %), Ferruginous, Nodules, Fine (0 - 2 mm) segregations; Few, fine (1-2mm) roots; Sharp, Smooth change to -
A12	0.02 - 0.28 m	Dark reddish brown (5YR2.5/2-Moist); Clay loam; Earthy fabric; Moist; Weak consistence; Non-plastic; Non-sticky; 10-20%, medium gravelly, 6-20mm, subrounded, dispersed, coarse fragments; Very few (0 - 2 %), Ferruginous, Nodules, Fine (0 - 2 mm) segregations; Few, fine (1-2mm) roots; Sharp, Smooth change to -
B21t	0.28 - 0.58 m	Yellowish red (5YR4/6-Moist); Mottles, 10-20%, 0-5mm, Distinct, 7.5YR5/8; Medium heavy clay; Rough-ped fabric; Moist; Very firm consistence; Non-plastic; Moderately sticky; 10-20%, medium gravelly, 6-20mm, subangular, dispersed, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Nodules, Fine (0 - 2 mm) segregations; Gradual, Wavy change to -
B22t	0.58 - 1.204 m	Strong brown (7.5YR5/8-Moist); Mottles, 20-50%, 5-15mm, Distinct, 5YR4/6; Medium heavy clay; Rough-ped fabric; Moist; Very firm consistence; Non-plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Nodules, Fine (0 - 2 mm)

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					
N4	0	to 75 mm	3.83	6.3	5.5	0.07	14.28	1.60	0.12	0.85	16.90	0.71	57.00	0.35	339
	175	to 250 mm	3.09	6.3	5.5	0.08	11.40	1.53	0.14	0.45	13.58	1.03	29.00	0.27	190
	280	to 580 mm	0.67	4.7	4.4	0.12	4.75	3.62	0.17	0.11	11.28	1.51	0.90	0.06	45
	580	to 780 mm	0.27	4.2	4.1	0.14	2.94	4.54	0.24	0.11	11.29	2.13	0.50	0.06	47
	780	to 980 mm	0.26	5.0	4.2	0.26	1.97	10.94	4.16	0.30	21.41	19.43	0.60	0.03	105
	980	to 1200 mm	0.20	4.6	4.0	0.52	1.92	10.92	6.53	0.29	23.32	28.00	0.70	0.03	104