

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: N32 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: D.B. Kidd
 Date Desc.: 14/09/05
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:
 Locality: Evercreech
 Elevation: 270 metres
 Rainfall: 913
 Runoff: Slow
 Drainage: Well drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m
 1-3%
 Morph. Type: Flat
 Elem. Type: Valley flat
 Slope: 2 %
 Pattern Type: Flood plain
 Relief: No Data
 Slope Category: Very gently sloped
 Aspect: 175 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

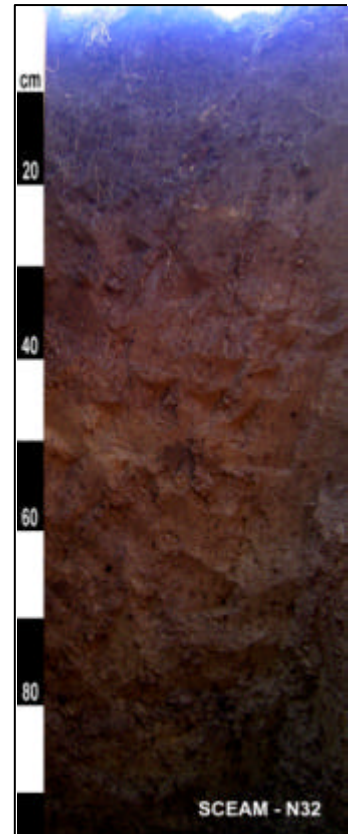
Australian Soil Classification:
 Bauxitic Mesotrophic Brown Dermosol Medium Non-gravelly
 Clay-loamy Clayey Deep

ASC Confidence:
 reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: None



Profile Morphology

A1	0 - 0.15 m	Very dark brown (10YR2/2-Moist); Clay loam; Strong grade of structure, 2-5 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Very plastic; Normal plasticity; Slightly sticky; 2-10%, medium gravelly, 6-20mm, rounded, dispersed, Sandstone, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), Manganiferous, Soft segregations, Medium (2 -6 mm) segregations; Common, very fine (0-1mm) roots; Clear, Wavy change to -
B1	0.15 - 0.42 m	Dark brown (7.5YR3/3-Moist); Biological mixing, 2-10%, 5-15mm, Distinct, 10YR2/2; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; 0-2%, medium gravelly, 6-20mm, subrounded, undisturbed, Chert, coarse fragments; Very few (0 - 2 %), Manganiferous, Soft segregations, Medium (2 -6 mm) segregations; Very few (0 - 2 %), Ferruginous, Soft segregations, Medium (2 -6 mm) segregations; Common, very fine (0-1mm) roots; Clear, Smooth change to -
B2t	0.42 - 0.8 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 2-10%, 5-15mm, Faint, 7.5YR3/3; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Slightly plastic; Normal plasticity; Moderately sticky; Few (2 - 10 %), Manganiferous, Soft segregations, Fine (0 - 2 mm) segregations; Few, very fine (0-1mm) roots; Clear, Smooth change to -
BC	0.8 - 1.1 m	Light olive brown (2.5Y5/4-Moist); Mottles, 10-20%, 5-15mm, Faint, 10YR4/4; Fine sandy light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; Slightly plastic; Normal plasticity; Very sticky; Few (2 - 10 %), Manganiferous, Soft segregations, Fine (0 - 2 mm) segregations; Few, very fine (0-1mm) roots;

Chemistry Data

N32	0	to	75 mm	Organic	pH	pH	EC	Exchangeable Bases (meq/100g)				ECEC	ESP	Olsen P	Total N	Colwell_K
				C%	(H2O)	(CaCl2)	(dS/m)	Ca	Mg	Na	K	(meq/100g)	%	(mg/kg)	%	(mg/kg)
				5.64	5.7	5.1	0.16	11.91	1.69	0.23	0.53	14.81	1.55	32.50	0.48	220
	150	to	225 mm	3.10	5.6	4.8	0.10	6.12	1.06	0.13	0.32	8.87	1.47	14.80	0.30	120
	150	to	400 mm	1.65	4.9	4.3	0.06	2.30	0.62	0.18	0.33	5.92	3.04	4.90	0.14	126
	450	to	750 mm	0.80	5.0	4.4	0.04	2.24	1.07	0.14	0.06	4.73	2.96	4.00	0.06	30
	800	to	1000 mm	0.79	5.5	4.7	0.03	1.41	2.35	0.13	0.09	4.67	2.78	3.20	0.06	45