Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania Observation ID: 1

Project Code: SCEAM Site ID: N30 **Agency Name:** TAS Department of Primary Industries and Water

Site Information

Desc. By: Near Gladstone R. Moreton Locality: Date Desc.: 14/04/05 Elevation: 34 metres Map Ref.: Rainfall: 786 Northing/Long.: Runoff: Slow

Easting/Lat.: Drainage: Imperfectly drained

Geology ExposureType: Soil pit Conf. Sub. is Parent. Mat.: certain Substrate Material: Geol. Ref.: Quartz

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-32% Pattern Type: Low hills No Data Relief: Morph. Type: Lower-slope

Elem. Type: Drainage depression Slope Category: Very gently sloped Slope: 5 % Aspect: 200 degrees

Surface Soil Condition (dry): Firm

Erosion: No Data Soil Classification

Australian Soil Classification:

Placic Humosequic Semiaguic Podosol Thick Non-gravelly Loamy Sandy Deep

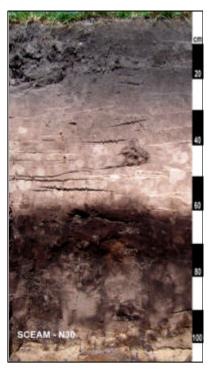
ASC Confidence:

Analytical data are incomplete but reasonable confidence. Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: None





Profile Morphology

A11 0 - 0.15 m Black (10YR2/1-Moist); Sandy loam; Weak grade of structure, <2 mm, Polyhedral; Single grain grade of structure, <2 mm, Granular; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Slightly sticky; Field pH 5.4 (pH meter); Common, very fine (0-1mm) roots; Abrupt, Wavy change to -Very dark grey (10YR3/1-Moist); Grey (10YR5/1-Dry); 0-2%, 0-5mm, Distinct, 10YR4/1; A12 0.15 - 0.3 m Loamy sand; Weak grade of structure, <2 mm, Polyhedral; Single grain grade of structure, <2 mm, Granular; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Field pH 4.7 (pH meter); Common, very fine (0-1mm) roots; Clear, Smooth change to -Α2 0.3 - 0.6 m Dark greyish brown (10YR4/2-Moist); 0-2%, 0-5mm, Distinct, 10YR4/1; 0-2%, 5-15mm, Distinct, 7.5YR4/6; Sand; Single grain grade of structure, <2 mm, Granular; ; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Field pH 4.7 (pH meter); Few, very fine (0-1mm) roots; Abrupt, Wavy change to -(7.5YR4/3-Moist); 2-10%, 15-30mm, Prominent, 10YR4/3; Loam; Massive grade of structure; 0.6 - 0.73 m R₁hs Earthy fabric; Wet; Weak consistence; Non-plastic; Slightly sticky; Very few (0 - 2 %), Ferruginous, Nodules, Medium (2 -6 mm) segregations; Ortstein, Moderately cemented, Continuous, Massive; Field pH 4.9 (pH meter); Few, fine (1-2mm) roots; Abrupt, Tongued ВЗ 0.73 - m Greyish brown (10YR5/2-Moist); 2-10%, 30-mm, Prominent, 7.5YR4/6; Clayey sand; Massive

Slightly sticky; Field pH 4.8 (pH meter);

Chemistry Data

			Organic C%	pH (H20)	pH (CaCl2)	EC (dS/m)	Exchangeable Bases (meq/100g)				ECEC	ESP	Olsen P	Total N	tal N Colwell_K
							Ca	Mg	Na	K	(meq/100g)	%	(mg/kg)	%	(mg/kg)
N30 0	to	75 mm	4.32	5.6	4.9	0.22	7.54	3.72	0.81	0.26	12.56	6.45	19.90	0.31	99
200	to	275 mm	0.55	5.6	4.5	0.04	0.78	0.29	0.12	0.03	1.43	8.41	4.20	0.05	16
600	to	730 mm	1.57	5.4	4.4	0.05	0.65	0.45	0.20	0.03	3.96	5.05	2.70	0.11	15
800	to	1000 mm	0.12	5.5	4.5	0.04	0.13	0.11	0.08	0.03	1.18	6.79	2.20	0.02	16

grade of structure; Sandy (grains prominent) fabric; Wet; Loose consistence; Non-plastic;