Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N19 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: R. Moreton
Date Desc.: 09/09/05
Map Ref.:
Northing/Long.:
Easting/Lat.:
Locality: near Nile.
Elevation: 164 metres
Rainfall: 598
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Ts
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Soil pit, No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: Simple-slope
Elem. Type: Plain
Slope: 3 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Very gently sloped
Aspect: 160 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

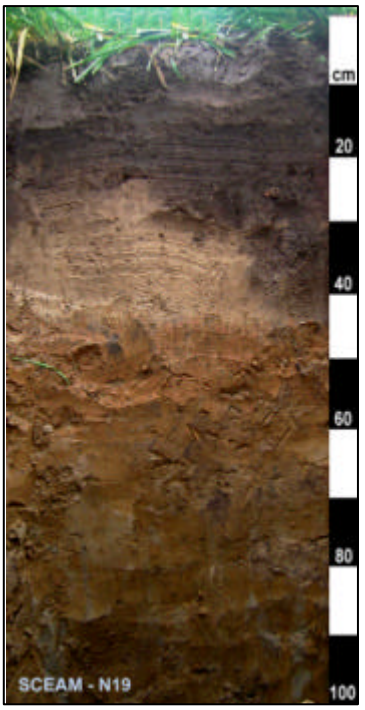
Australian Soil Classification:
Eutrophic Mottled-Subnatric Brown Sodosol, Medium Non-gravelly Clay-loamy Clayey Deep

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: No surface coarse fragments



Profile Morphology

Ap1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); Fine sandy clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; 2-5 mm, Subangular blocky; Sandy (grains prominent) fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Non-plastic; Slightly sticky; Few, fine (1-2mm) roots; Sharp, Smooth
Ap2	0.15 - 0.28 m	Black (10YR2/1-Moist); Mottles, 2-10%, 5-15mm, Distinct, 10YR5/4; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Non-plastic; Moderately sticky; Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
A2	0.28 - 0.42 m	Yellowish brown (10YR5/4-Moist); Mottles, 2-10%, 5-15mm, Distinct, 10YR2/1; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moist; Very weak consistence; Non-plastic; Slightly sticky; Few (2 - 10 %), Ferruginous, Nodules, Medium (2 -6 mm) segregations; Abrupt, Smooth change to -
B1t	0.42 - 0.8 m	Strong brown (7.5YR4/6-Moist); Mottles, 2-10%, 5-15mm, Distinct, 10YR3/1; Medium clay (Light); Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Firm consistence; Very plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, distinct; Diffuse, Smooth change to -
B2t	0.8 - 1.1 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 10-20%, 15-30mm, Distinct, 2.5Y4/2; Medium clay (Light); Moderate grade of structure, 20-50 mm, Angular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Firm consistence; Very plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, distinct;

Chemistry Data

				Organic C%	pH (H20)	pH (CaCl2)	EC (dS/m)	Exchangeable Bases (meq/100g) Ca	Mg	Na	K	ECEC (meq/100g)	ESP %	Olsen P (mg/kg)	Total N %	Colwell_K (mg/kg)
N19																
0	to	75	mm	1.99	7.2	6.7	0.10	10.78	0.70	0.07	0.48	12.13	0.58	49.00	0.17	191
200	to	275	mm	1.29	5.8	4.8	0.04	4.39	0.55	0.05	0.32	5.54	0.90	14.40	0.09	139
280	to	420	mm	0.22	6.3	5.9	0.04	2.23	0.91	0.09	0.14	3.40	2.65	2.20	0.02	64
450	to	800	mm	0.47	6.9	5.9	0.05	9.50	10.66	1.07	0.38	21.62	4.95	1.10	0.06	156
800	to	1100	mm	0.37	7.4	6.4	0.07	8.88	10.77	1.55	0.31	21.53	7.20	4.10	0.05	97