Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** N36 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: C.J. Grose
Date Desc.: 03/02/06
Map Ref.:
Northing/Long.:
Easting/Lat.:
Locality: Campbell Town
Elevation: 182 metres
Rainfall: 548
Runoff: Very slow
Drainage: Rapidly drained

Geology

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

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 3 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: 40 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

Australian Soil Classification:
Basic Arenic Class Undetermined Tenosol Medium Non-gravelly Sandy Sandy Very deep
ASC Confidence:
All necessary analytical data are available.

Site Disturbance: Extensive clearing

Vegetation:

Surface Coarse Fragments: None

Profile Morphology

A11	0 - 0.02 m	Fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Non-plastic; Non-sticky; Many, very fine (0-1mm) roots; Sharp, Smooth change
A12	0.02 - 0.08 m	Dark brown (10YR3/3-Moist); Loamy fine sand; Weak grade of structure, 10-20 mm, Subangular blocky; Single grain grade of structure; Sandy (grains prominent) fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Common, very fine (0-1mm) roots; Sharp, Wavy change to -
A13b	0.08 - 0.14 m	Dark brown (7.5YR3/4-Moist); Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Sharp, Wavy change to -
B1	0.14 - 0.3 m	Strong brown (7.5YR4/6-Moist); Loamy sand (Light); Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Clear, Wavy change to -
B21t	0.3 - 0.7 m	Strong brown (7.5YR5/6-Moist); Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Clear, Wavy change to -
B22t	0.7 - 0.93 m	Strong brown (7.5YR5/6-Moist); Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Abrupt, Wavy change to -
B31	0.93 - 1.08 m	Strong brown (7.5YR4/6-Moist); Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; Non-plastic; Slightly sticky; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Manganiferous, Soft segregations, Fine (0 - 2 mm) segregations; Abrupt, Wavy change to -
B32	1.08 - 1.25 m	Strong brown (7.5YR4/6-Moist); Clayey sand; Weak grade of structure, 10-20 mm, Angular blocky; Sandy (grains prominent) fabric; Moist; Very weak consistence; Non-plastic; Slightly sticky; Very few (0 - 2 %), Manganiferous, Soft segregations, Fine (0 - 2 mm) segregations;

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)
N36															
0	to	75 mm	1.38	5.5	4.6	0.08	4.22	1.09	0.05	0.54	6.01	0.83	8.70	0.15	249
200	to	275 mm	0.46	5.6	4.9	0.03	2.40	0.65	0.04	0.37	3.54	1.13	4.20	0.05	184
300	to	500 mm	0.21	6.3	5.7	0.02	2.60	0.80	0.06	0.32	3.84	1.56	1.70	0.02	156
500	to	700 mm	0.19	6.8	5.9	0.03	2.60	0.92	0.05	0.23	3.82	1.31	1.80	0.02	105
700	to	930 mm	0.08	7.0	6.0	0.02	2.29	0.73	0.06	0.15	3.26	1.84	1.70	0.02	71
930	to	110 mm	0.09	7.2	6.0	0.02	4.44	2.67	0.10	0.29	7.53	1.33	1.10	0.02	115