

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
 Project Code: SCEAM Site ID: N39 Observation ID: 1
 Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: Heather Hawkins
 Date Desc.: 17/07/06
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:

Locality: Epping Forest
 Elevation: 160 metres
 Rainfall: 545
 Runoff: Slow
 Drainage: Moderately well drained

Geology

Exposure Type: Soil pit
 Geol. Ref.: Qd

Conf. Sub. is Parent. Mat.: Certain
 Substrate Material: Tertiary Sediments

Land Form

Rel/Slope Class: Level plain <9m <1%
 Morph. Type: Flat
 Elem. Type: Plain
 Slope: 0 %

Pattern Type: Plain
 Relief: No Data
 Slope Category: Level
 Aspect: No Data

Surface Soil Condition (dry): Firm

Erosion: No Data

Soil Classification

Australian Soil Classification:
 Basic Regolithic Class Undetermined Tenosol Medium
 Non-gravelly Sandy Sandy Deep

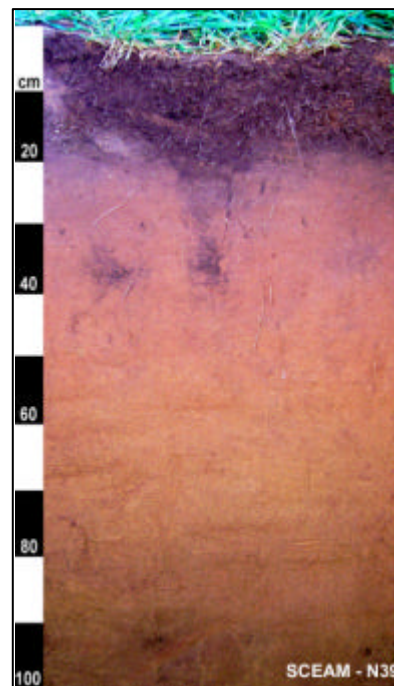
ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Cultivation. Irrigated

Vegetation: Pasture/ crop

Surface Coarse Fragments: None



Profile Morphology

A1	0 - 0.19 m	Dark reddish brown (5YR3/3-Moist); Loamy sand; Weak grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Very weak consistence; Non-plastic; Non-sticky; Few, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Abrupt, Tongued change to -
B21t	0.19 - 0.48 m	Yellowish red (5YR4/6-Moist); Biological mixing, 2-10%, 5-15mm, Distinct, 5YR3/3; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Very weak consistence; Non-plastic; Slightly sticky; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B22t	0.48 - 0.89 m	Yellowish red (5YR5/8-Moist); Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Slightly sticky; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B23t	0.89 - 1 m	Strong brown (7.5YR4/6-Moist); Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Non-plastic; Slightly sticky;

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					
39	0	to 75 mm	1.22	5.6	5.0	0.06	3.79	0.61	0.06	0.33	4.87	1.23	10.90	0.11	143
	200	to 275 mm	0.49	6.7	6.0	0.04	2.98	0.74	0.03	0.30	4.11	0.73	4.40	0.05	133
	480	to 680 mm	0.25	6.8	6.4	0.03	2.21	0.62	0.11	0.33	3.29	3.34	0.90	0.02	149
	690	to 890 mm	0.19	6.8	6.5	0.03	1.98	0.65	0.11	0.13	2.89	3.81	0.90	0.02	64
	890	to 1000 mm	0.18	7.0	6.9	0.04	2.21	1.01	0.25	0.13	3.64	6.87	0.90	0.02	52