

Project Name: SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
Project Code: SCEAM **Site ID:** C34 **Observation ID:** 1
Agency Name: TAS Department of Primary Industries and Water

Site Information

Desc. By: H. Hawkins
Date Desc.: 28/08/06
Map Ref.:
Northing/Long.:
Easting/Lat.:

Locality: Wesley Vale
Elevation: 132 metres
Rainfall: 874
Runoff: Rapid
Drainage: Well drained

Geology

Exposure Type: Soil pit
Geol. Ref.: Tertiary Basalt
Conf. Sub. is Parent. Mat.: Probable
Substrate Material: Basalt

Land Form

Rel/Slope Class: Rolling low hills 30-90m
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 21 %

Pattern Type: Low hills
Relief: No Data
Slope Category: Moderately inclined
Aspect: No Data

Surface Soil Condition (dry): Recently cultivated

Erosion: None

Soil Classification

Australian Soil Classification:
 Haplic Mesotrophic Red Ferrosol Medium Non-gravelly Loamy Clay-loamy Deep

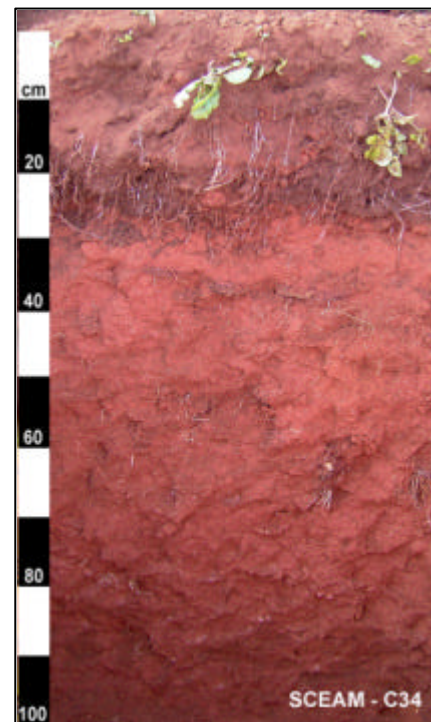
ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Cultivation. Irrigated

Vegetation: Pasture/ Crop

Surface Coarse Fragments: None



Profile Morphology

A1p	0 - 0.22 m	Dark reddish brown (2.5YR2/3-Moist); Loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated, distinct; Many, very fine (0-1mm) roots; Abrupt, Wavy change to -
B21t	0.22 - 0.78 m	Dark reddish brown (2.5YR2/3-Moist); Clay loam; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 2-5 mm, Prismatic; Earthy fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Common, very fine (0-1mm) roots; Few, coarse (>5mm) roots; Clear, Wavy change to -
B22t	0.78 - 1 m	Dark reddish brown (2.5YR2/3-Moist); Clay loam; Moderate grade of structure, 10-20 mm, Prismatic; Moderate grade of structure, 2-5 mm, Prismatic; Earthy fabric; Moderately moist; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Few, coarse (>5mm) roots;

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					
C34	0	to 75 mm	7.99	5.9	5.2	0.14	13.89	2.37	0.43	1.42	18.27	2.35	40.90	0.55	568
	200	to 275 mm	8.86	5.9	5.2	0.14	14.64	2.49	0.47	1.42	19.17	2.45	39.10	0.57	558
	300	to 600 mm	1.38	4.8	4.3	0.14	2.59	0.87	0.33	0.48	6.53	5.05	1.20	0.09	177
	600	to 780 mm	0.74	4.8	4.5	0.14	2.19	0.84	0.32	0.38	6.34	5.05	0.10	0.06	144
	780	to 1000 mm	0.62	4.5	4.4	0.14	1.53	0.58	0.35	0.19	6.27	5.58	0.60	0.05	68