Project Name:SCEAM - Soil Condition Evaluation & Monitoring Project, TasmaniaProject Code:SCEAMSite ID:S13Observation ID:1Agency Name:TAS Department of Primary Industries and Water

Site Information

Desc. By: C.J. Grose Date Desc.: 24/03/06 Map Ref.: Northing/Long.: Easting/Lat.:

<u>Geology</u>

ExposureType: Soil pit Geol. Ref.: Tb

Land Form

Rel/Slope Class:No DataMorph. Type:Mid-slopeElem. Type:HillslopeSlope:7 %

Surface Soil Condition (dry): Soft Erosion: Partial, Not apparent (sheet)

Soil Classification

Australian Soil Classification:

Haplic Class Undetermined Grey Chromosol Medium Non-gravelly Loamy Clayey Clay-loamy ASC Confidence:

reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present Vegetation:

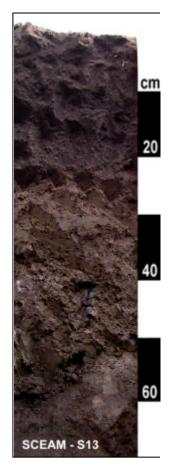
Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, subangular, Basalt

Locality: Elevation: Rainfall: Runoff: Drainage: near Campania 90 metres 545 Slow Imperfect

Conf. Sub. is Parent. Mat.:ProbableSubstrate Material:Basalt

Pattern Type: Relief: Slope Category: Aspect: Low hills No Data Gently inclined 3





Profile Morphology

AP	0 - 0.2 m	Very dark brown (10YR2/2-Moist); Mechanical, 2-10%, 5-15mm, Distinct, 10YR4/3; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Non-plastic; Normal plasticity; Slightly sticky; Clear, Wavy change to -
B1t	0.2 - 0.34 m	Dark brown (7.5YR3/3-Moist); Mottles, 10-20%, 0-5mm, Faint, 7.5R5/6; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Very plastic; Normal plasticity; Moderately sticky; 10-20%, cobbly, 60-200mm, subangular, Basalt, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Few, very fine (0-1mm) roots; Clear,
B2t	0.34 - 0.65 m	Dark greyish brown (10YR4/2-Moist); Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Very plastic; Normal plasticity; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Abrupt, Irregular change to -
R	0.65 - m	Rock

Chemistry Data

			Organic C%	рН (H20)	pH (CaCl2)	EC (dS/m)	Exchan Ca	geable Ba Mg	ses (meq/ [,] Na	0,	ECEC (meq/100g)	ESP %	Olsen P (mg/kg)	Total N %	Colwell_K (mg/kg)
S13 0	to	75 mm	1.71	7.1	6.3	0.13	9.69	3.77	0.53	0.68	14.83	3.57	79.60	0.20	279
100	to	200 mm	1.42	8.1	7.0	0.17	9.80	2.82	0.40	0.21	13.26	3.02	68.00	0.12	85
200	to	275 mm	1.51	6.9	6.1	0.10	8.21	3.44	0.48	0.26	12.52	3.83	61.90	0.15	115
340	to	650 mm	0.67	8.0	7.0	0.12	8.72	23.74	3.31	0.14	35.93	9.21	1.50	0.08	46