Project Name:	SCEAM - Soil	Condition E	valuatio	n & Monitoring Project, Tasmania
Project Code:	SCEAM	Site ID:	C33	Observation ID: 1
Agency Name:	TAS Departm	ent of Primar	y Indust	ries and Fisheries

Site Information

Easting/Lat.: <u>Geology</u> ExposureType: Geol. Ref.: <u>Landform</u> Rel/Slope Class: Morph. Type: Elem. Type: Slope: <u>Surface Soil Co</u> <u>Erosion</u> Now	H. Hawkins 28/08/06 GPS S.A. Off 5439803 AMG zone: 55 455186 Datum: GDA94 Soil pit Tb Rolling low hills 30-90m 10-32% Mid-slope Hillslope 19 % prdition Soft nd erosion (wind); No scalding (sca			rained le , Basalt
erosio erosio	erosion (sheet) No wave erosion (on (rill) No mass movement (mass) on (gully) No stream bank erosion (No gully		
Soil Classificat Australian Soil Cl Haplic Eutrophic R Clayey Deep			ng Unit: bal Profile Form:	N/A N/A
ASC Confidence	lytical data are available. <u>e</u>		Soil Group:	N/A
Profile Morphol Ap 0 - 0.19 r Subangular Moderately moist; V 6mm, rounded, roots; Clear,	n Dusky red (2.5YR3/2-Moist blocky; Moderate grade of s	structure, 5-10 mm, S astic; Normal plasticit	ubangular blocky; I y; Non-sticky; 2-10 ⁴	Earthy fabric; %, fine gravelly, 2-
B21t 0.19 - 0.5 Moderate grade of Subangular blocky; Slightly sticky; cutans, 10-50% of change to -	8 m Dark red (2.5YR3/6-Moist); structure, 50-100 mm, Sub- Earthy fabric; Moderately m 10-20%, fine gravelly, 2-6m ped faces or walls coated,	angular blocky; Mode noist; Firm consistenc nm, angular, dispersed	rate grade of struct e; Moderately plast d, Basalt, coarse fra	ure, 10-20 mm, ic; Normal plasticity; agments; Common
B22t 0.58 - 0.5 100 mm, fabric; Few (<1 Moderately plastic; Basalt, coarse fine (0-1mm) roots;	11 m Dark red (2.5YR3/6-Moist); Subangular blocky; Modera per 100mm2) Coarse (>5m Normal plasticity; Slightly s fragments; Common cutans Clear, Wavy change to -	ate grade of structure, nm) macropores, Mode ticky; 10-20%, fine gra	10-20 mm, Subang erately moist; Firm avelly, 2-6mm, ang	gular blocky; Earthy consistence; ular, dispersed,

BC 0.91 - 1.05 m clay; Moderate	Dark red (2.5YR3/6-Moist); Substrate influence, 2.5YR48, 10-20% , 5-15mm, Faint; Light
	grade of structure, 50-100 mm, Subangular blocky; Moderate grade of structure, 10-20
mm, Subangular	blocky; Earthy fabric; Moderately moist; Firm consistence; Moderately plastic; Normal
plasticity; Slightly	sticky; 10-20%, coarse gravelly, 20-60mm, subangular, dispersed, Basalt, coarse
fragments; Common	cutans, 10-50% of ped faces or walls coated, distinct;
Morphological Note	

Morphological Notes

B21t	C33C sampled 400-580mm,
B22t	C33D sampled 600-900mm
BC DR	In BC soil was heavier around weathered DR texturing to a LMC, away from weathered
DIX	fragments I.C. C22E compled 000 1050mm

fragments LC. C33E sampled 900-1050mm

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Project Code:	SCEAM	Site ID:	C33	Observation ID: 1
Agency Name:	TAS Departme	ent of Primar	y Industr	ies and Fisheries

Observation Notes Peas recently sown.

Site Notes

Mode of Geomorphic Activity: Eroded or Aggraded by sheet wash. Inundation frequency: None.

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Project Code:	SCEAM	Site ID:	C33	Observation	1
Agency Name:	TAS Departmen	t of Primary	/ Industries an	d Fisheries	

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	•••	9			(+)/kg			%
0 - 0.075	5.7C 6.4A	0.159A	18.21A	3.01	2.08	0.67	0.11D 0G 0.12A		24.09B	
0.2 - 0.275	6.2C 6.8A	0.268A	17.41A	2.52	0.62	0.75	0.1D 0G 0.1A		21.4B	
0.4 - 0.58	6.3C 6.5A	0.115A	9.67A	1.81	0.13	0.74	0D 0.37G 0.24A		12.59B	
0.6 - 0.9	6.8C 6.9A	0.101A	8.92A	1.77	0.13	0.8	0D 0.17G 0.22A		11.84B	
0.9 - 1.05	6.8C 6.9A	0.111A	8.66A	1.73	0.17	0.76	0D 0.13G 0.02A		11.34B	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS FS Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%
0 - 0.075		3.39B	409H 113.2l		0.32D				
0.2 - 0.275		2.04B	82H 27I		0.19D				
0.4 - 0.58		0.81B	22H 4.6I		0.08D				
0.6 - 0.9		0.5B	28H 6.7I		0.06D				
0.9 - 1.05		0.48B	37H 9.5I		0.06D				

Laboratory Analyses Completed for this profile

10B_NR	Extractable sulfur (mg/kg) - Not recorded
12_NR_FE	Total element - Fe(%) - Not recorded
12A1_CU	DTPA - extractable copper, zinc, manganese and iron
12A1_FE	DTPA - extractable copper, zinc, manganese and iron
12A1_MN	DTPA - extractable copper, zinc, manganese and iron
12A1_ZN	DTPA - extractable copper, zinc, manganese and iron
12C1	Calcium chloride extractable boron - manual colour
15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts

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15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15G_C_AL2	salts
By AAS	Exchangeable aluminium - meq per 100g of soil - Aluminium By KCI extraction and detremination
15G1	Exchange acidity (hydrogen and aluminium) by 1M potassium chloride

Project Name:SCEAM - Soil Condition Evaluation & Monitoring Project, TasmaniaProject Code:SCEAMSite ID:C33Observation1Agency Name:TAS Department of Primary Industries and Fisheries

15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
15N1	Exchangeable sodium percentage (ESP)
18A1	Bicarbonate-extractable potassium
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1
6B2	Total organic carbon - high frequency induction furnace, volumetric
7A5	Total nitrogen - high frequency induction furnace, thermal conductivity
7C1a	Ammonium-N, in presence or absence of nitrite
7C1b	(Nitrate+nitrite)-N, in presence of nitrite
9B2_COL	Bicarbonate-extractable phosphorus - automated colour. Based on Colwell (1965). Method no
longer	
•	recommended
9C2	Olsen-extractable phosphorus - automated colour