Project Name: Manual of Austalian Soils

Project Code: MAS Site ID: A537 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: C.G. Stephens Locality:

 Date Desc.:
 18/06/57
 Elevation:
 0 metres

 Map Ref.:
 Sheet No.: 6627-111
 1:10000
 Rainfall:
 760

Northing/Long.: 138.606388 Runoff: Moderately rapid Easting/Lat.: -35.340555555556 Drainage: Well drained

Geology

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

Land Form

Rel/Slope Class:No DataPattern Type:No DataMorph. Type:Closed DepressionRelief:No DataElem. Type:SwampSlope Category:No DataSlope:0 %Aspect:0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AHumose Regolithic Chernic TenosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:Acid peat

Analytical data are incomplete but reasonable confidence. **Site Disturbance:** Cultivation. Irrigated, past or present

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m ; Weak grade of structure, Granular; Loose consistence; Field pH 6 (pH meter); Abundant, fine

(1-2mm) roots; Diffuse change to -

0.05 - 0.15 m ; Weak grade of structure, Granular; Loose consistence; Field pH 6 (pH meter);

0.15 - 0.33 m $\,$; , Columnar; Very weak consistence; Sharp change to -

0.33 - 0.38 m ; Sand; Single grain grade of structure; Very firm consistence; Diffuse change to -

0.38 - 0.51 m ; Sand; Single grain grade of structure; Firm consistence; Diffuse change to -

0.51 - 0.81 m ; Sand; Single grain grade of structure;0.81 - 1.27 m ; Sand; Single grain grade of structure;

Morphological Notes

Observation Notes

NO TEXTURES FOR FIRST 3 LAYERS AS THEY ARE PEAT

Site Notes

MT. COMPASS

Manual of Austalian Soils

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Laboratory Test Results:

<u> </u>													
Depth	рН	1:5 EC		angeable				hangeable	CEC		ECEC	E	SP
			Ca N	/lg	K	Na .		Acidity					
m		dS/m				Cmol	(+)/kg					Ÿ	%
0 - 0.05	5.8H	0.079C	15.7K	6.2	0.75	0.46							
0.05 - 0.15	5.5H	0.034C	15.9K	3.4	0.29	0.23							
0.15 - 0.33	5.3H	0.041C	11K	2.7	0.14	0.35							
0.33 - 0.38	6.1H	0.009C	1K	0.3	0.02	0.08							
0.38 - 0.51	6.4H	0.008C											
0.51 - 0.81	6.4H	0.006C											
0.81 - 1.27	6.2H	0.005C											
B	0.000			T	T	_		5 "	_		0:		
Depth	CaCO3	Organic	Avail. P	Total	Total	To		Bulk		rticle		Analysis	
	0/	C	-	P	N o/	ŀ		Density	G۷	CS	FS %	Silt	Clay
m	%	%	mg/kg	%	%	9/	0	Mg/m3			70		
0 005		44.05		0.05	0.7	7D 0	000						
0 - 0.05		11.8E		0.2F	0.7	_	.02B						
0.05 - 0.15		12.6E		0.0405	0.7	-	0.45						
0.15 - 0.33		11.3E		0.042F		-	.01B					_	_
0.33 - 0.38		0.93E		0.01F	0.04	15B 0	.01B			62C	_	3	3
0.38 - 0.51										65C	_		2
0.51 - 0.81										62C	_		1
0.81 - 1.27										66C	32	1	0
Depth	COLE Gravimetric/Volumetric Water Contents K sat K uns											K unsat	
-		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Ba	r 5	5 Bar 15 I	3ar				
m				g/	g - m3/m	3				mm	/h	mm/h	

0 - 0.05 0.05 - 0.15 0.15 - 0.33 0.33 - 0.38

0.38 - 0.51 0.51 - 0.81 0.81 - 1.27

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Laboratory Analyses Completed for this profile

15_NR_CA

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded

15_NR_K

Exch. basic cations (K++) - meq per 100g of soil - Not recorded

Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded

Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

17A_NR Total element - K(%) - Not recorded

2_LOI Loss on Ignition (%) 2A1 Air-dry moisture content

3A_TSS Electrical conductivity or soluble salts - Total soluble salts %

4_NR pH of soil - Not recorded

5_NR Water soluble Chloride - Cl(%) - Not recordede

6Z Organic carbon (%) - Not recorded
7_NR Total nitrogen (%) - Not recorded
9A_NR Total element - P(%) - Not recorded

P10_NR_C Clay (%) - Not recorded

P10_NR_CS Coarse sand (%) - Not recorded
P10_NR_FS Fine sand (%) - Not recorded
P10_NR_Z Silt (%) - Not recorded