

Project Name: Mt. Crawford, F.R.
Project Code: MC1 **Site ID:** A689 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	G.G. Beckmann	Locality:	
Date Desc.:	19/08/59	Elevation:	408 metres
Map Ref.:	Sheet No. : SI54-9 1:250000	Rainfall:	0
Northing/Long.:	139.008888888889	Runoff:	Moderately rapid
Easting/Lat.:	-34.709444444445	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Disturbance:

Vegetation:

Tall Strata - Tree, 12.01-20m, . *Species includes - Pinus radiata

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 10YR31; Coarse sandy loam; Single grain grade of structure; Very weak consistence; Common, coarse (>5mm) roots; Abrupt change to -
A12	0.1 - 0.23 m	Very dark grey (10YR3/1-Moist); ; Loam; Single grain grade of structure; Very weak consistence; Few, coarse (>5mm) roots; Abrupt change to -
A3	0.23 - 0.3 m	Very dark greyish brown (2.5Y3/2-Moist); ; Sandy loam; Single grain grade of structure; Very weak consistence; Few, fine (1-2mm) roots; Abrupt change to -
B2	0.3 - 0.56 m	Yellowish brown (10YR5/6-Moist); , 2.5Y55; , 2.5YR48; Sandy light clay; , Angular blocky; Very weak consistence; Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

MT CRAW.FOREST

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg			%
0 - 0.1	5.2H	0.022C	2.9K	1.4	0.43	0.15			
0.1 - 0.23	5.1H	0.016C							
0.23 - 0.3	5.5H	0.012C	2.3K	0.9	0.31	0.13			
0.3 - 0.56	6.1H	0.012C	3.2K	1.5	0.44	0.18			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		2.1E		0.018F	0.131B	0.81B		1	6C	65	9	17
0.1 - 0.23								13	6C	66	10	15
0.23 - 0.3		0.79E		0.024F	0.069B	1.3B						
0.3 - 0.56		0.39E			0.046B			30	6C	67	9	17

[illegible]

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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
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	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 recorded
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
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