Manual of Austalian Soils Project Name:

Project Code: Site ID: A539 Observation ID: 1 MAS

Agency Name: **CSIRO Division of Soils (SA)**

Site Information

C.G. Stephens Locality:

Desc. By: Date Desc.: Elevation: 16/07/58 No Data Map Ref.: Sheet No.: SI54-5 1:250000 Rainfall: 400 Northing/Long.: 138.57527777778 Runoff: Rapid

Easting/Lat.: -33.2116666666667 Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: No Data Pattern Type: Low hills Morph. Type: Elem. Type: Flat Relief: No Data Valley flat **Slope Category:** Gently inclined Slope: 0 % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Sodic Hypercalcic Red Chromosol Principal Profile Form: N/A

ASC Confidence: Great Soil Group: Red-brown earth

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage Low Strata - Tussock grass, , . *Species includes - None recorded **Vegetation:**

Surface Coarse Fragments:

Profile Morphology

Α	0 - 0.03 m	Dark reddish brown (5YR3/3-Moist); ; Loam; , Granular; Very weak consistence; Moderately plastic;
Α	0.03 - 0.08 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam; , Granular; Very weak consistence; Moderately plastic; Abrupt change to -
В	0.08 - 0.23 m	Dark red (2.5YR3/5-Moist); ; Medium clay; , Angular blocky; Very weak consistence; Moderately plastic; Diffuse change to -
В	0.23 - 0.4 m	Yellowish red (5YR4/5-Moist); ; Medium clay; , Granular; Very weak consistence; Moderately plastic; , Calcareous, , Soft segregations; Diffuse change to -
В	0.4 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Medium clay; , Granular; Very weak consistence; Moderately plastic; , Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

CO. VICTORIA

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Laboratory Test Results:

Eddoratory Foot Robatto.													
Depth	pН	1:5 EC		hangeable Mg	Cations K	Ex Na	changeable Acidity	CEC		ECEC	E	ESP	
m		dS/m		.		Cmol (+)/k	•				,	%	
0 - 0.03 0.03 - 0.08	9H 9.4H	0.14C 0.19C											
0.08 - 0.23	9.5H	0.38C											
0.23 - 0.4 0.4 - 0.6	9.9H 9.9H	0.42C 0.28C											
0.4 - 0.0	5.511	0.200											
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size FS	Analysis Silt	s Clay	
m	%	%	mg/kg	%	%	%	Mg/m3	٥,	00	%	Siit	Ciay	
0 - 0.03	1.3C	2.3E		0.029F	0.23	B 1.22E	3		6C	34	29	27	
0.03 - 0.08	2.1C	1.2E			0.12	B			4C	30	23	36	
0.08 - 0.23	0.690	0.69E		0.022F	0.076	6B 1.58E	3		4C	26	_	50	
0.23 - 0.4	27C							24	4C	15	_	46	
0.4 - 0.6	41C							36	1C	10	3	42	
Depth	pth COLE Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar							Bar	Ks	at	K unsat	t	
m		Juli	5.55 Bui		j - m3/m3				mm	/h	mm/h		

0 - 0.03 0.03 - 0.08 0.08 - 0.23 0.23 - 0.4 0.4 - 0.6

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Laboratory Analyses Completed for this profile

17A_NR

Total element - K(%) - Not recorded Calcium Carbonate (CaCO3) - Not recorded 19B_NR

2 LOI Loss on Ignition (%) 2A1 3A_TSS

Air-dry moisture content
Electrical conductivity or soluble salts - Total soluble salts %

4_NR pH of soil - Not recorded

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

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

P10_GRAV P10_NR_C P10_NR_CS Gravel (%)
Clay (%) - Not recorded Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded