

Project Name: Co. Grey Rec., S.A.
Project Code: GR1 **Site ID:** A293 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	16/04/56	Elevation:	70 metres
Map Ref.:		Rainfall:	710
Northing/Long.:	140.895833333333	Runoff:	Very slow
Easting/Lat.:	-37.747777777778	Drainage:	Poorly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mesotrophic Mottled-Mesonatric Brown Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Rush, , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, . *Species includes - Eucalyptus ovata

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark grey (10YR4/1-Moist); ; Sandy loam; Weak grade of structure, Granular; Weak consistence; Many, very fine (0-1mm) roots; Diffuse change to -
0.1 - 0.28 m	Grey (10YR6/1-Moist); ; Sand; , Granular; Weak consistence; AbundantDiffuse change to -
0.35 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Sand; Firm consistence; 0-2%, Charcoal, coarse fragments; Diffuse change to -
0.63 - 0.76 m	Yellowish brown (10YR5/4-Moist); ; Sand; Very firm consistence;
0.84 - 0.99 m	Yellowish brown (10YR5/4-Moist); , 10YR64; Sand; Very firm consistence;
1.09 - 1.14 m	Light yellowish brown (10YR6/4-Moist); ; Sand; Loose consistence;
1.16 - 1.2 m	Yellowish brown (10YR5/4-Moist); , 10YR64; , 10YR66; Sandy medium clay; Very firm consistence;
1.2 - 1.4 m	Brownish yellow (10YR6/6-Moist); , 10YR51; , 10YR52; Sandy medium clay; Very firm consistence;

Morphological Notes

Observation Notes

APPARENTLY OUT OF VOLCANIC ASH ZONE

Site Notes

GREY

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol	(+)/kg			%
0 - 0.1	5.8H	0.039C	4.8K	2.2	0.4	0.46				
0.1 - 0.28	5.8H	0.011C								
0.35 - 0.6	6.3H	0.015C								
0.63 - 0.76	6.1H	0.02C								
0.84 - 0.99	6.3H	0.018C								
1.09 - 1.14	6.3H	0.012C								
1.16 - 1.2	6.2H	0.029C	1.2K	4.2	0.13	1.2				
1.2 - 1.4	6.1H	0.046C								

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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
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