

Project Name: Co. Grey Rec., S.A.
Project Code: GR1 **Site ID:** A304 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	G. Blackburn	Locality:	MANY LIMESTONE OUTCROPS ROUND LITTLE HILL WHERE SITE IS:
Date Desc.:	18/04/56	Elevation:	61 metres
Map Ref.:		Rainfall:	300
Northing/Long.:	140.701666666667	Runoff:	Moderately rapid
Easting/Lat.:	-37.3744444444445	Drainage:	Imperfectly 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:	Rolling plains <9m 10-32%	Pattern Type:	Plain
Morph. Type:	Hillock	Relief:	6 metres
Elem. Type:	Beach ridge	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Red Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red-brown earth
All necessary analytical data are available.			

Site Disturbance:

Vegetation:

Tall Strata - Tree, 3.01-6m, . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Yellowish red (5YR4/8-Moist); ; Sand; Weak grade of structure, Granular; Very weak consistence; 0-2%, cobbly, 60-200mm, Limestone, coarse fragments; Very few (0 - 2 %), Calcareous, Extremely coarse (> 60 mm), Concretions;
0.15 - 0.28 m	Reddish yellow (5YR6/6-Moist); ; Sand; Very weak consistence; 0-2%, cobbly, 60-200mm, Limestone, coarse fragments; Very few (0 - 2 %), Calcareous, Extremely coarse (> 60 mm), Concretions; Diffuse change to -
0.28 - 0.38 m	Red (10R5/8-Moist); ; Sandy medium clay; Very weak consistence; Clear change to -
0.45 - 0.6 m	Red (10R5/8-Moist); , 7.5YR66; Sandy medium clay; Very weak consistence; Diffuse change to -
0.75 - 0.95 m	Weak red (10R5/4-Moist); , 7.5YR66; Sandy medium clay; Very weak consistence; Diffuse change to -

Morphological Notes

Observation Notes

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				Comol (+)/kg				%
0 - 0.1	6.4H	0.01C	2.8K	0.8	0.27	0.11				
0.15 - 0.28	6.7H	0.008C								
0.28 - 0.38	6.5H	0.019C	7.6K	4.5	0.29	0.78				
0.45 - 0.6	6.8H	0.014C								
0.75 - 0.95	7.4H	0.033C								

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				0.008F	0.061B	0.07B			48C	41	3	7
0.15 - 0.28												
0.28 - 0.38				0.009F	0.066B	0.31B			33C	29	1	33
0.45 - 0.6												
0.75 - 0.95									32C	34	4	29

[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
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