Project Name: **Co. Grey Rec., S.A.**
Project Code: **GR1** **Site ID:** **A282** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	NO EVIDENCE OF DRIFT AT THIS SITE: HAS BEEN CULTIVATED: IMPROVED PASTURE:
Date Desc.:	12/04/56	**Elevation:**	15 metres
Map Ref.:		**Rainfall:**	710
Northing/Long.:	140.204444444445	**Runoff:**	No runoff
Easting/Lat.:	-37.5455555555556	**Drainage:**	Very 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 rises 9-30m 1-3%	**Pattern Type:**	Rises
Morph. Type:	Closed Depression	**Relief:**	10 metres
Elem. Type:	Swamp	**Slope Category:**	Gently inclined
Slope:	0 %	**Aspect:**	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Regolithic Acidic Sapric Organosol

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Neutral peat

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m	Very dark grey (10YR3/1-Moist); ; , Granular; Weak consistence;
0.15 - 0.3 m	Very dark grey (10YR3/1-Moist); ; , Granular; Weak consistence; Common
0.3 - 0.6 m	Black (10YR2/1-Moist); ; , Columnar; Weak consistence;
0.7 - 0.8 m	Very dark grey (10YR3/1-Moist); ; Loam; , Granular;
0.8 - 1.14 m	Grey (10YR6/1-Moist); ; Loam;

Morphological Notes

Observation Notes

TEXTURE - PEAT: 70-114CM SHELLY:

Site Notes

GREY

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.15	5.1H	0.091C								
0.15 - 0.3	4.9H	0.09C								
0.3 - 0.6	5.4H	0.32C								
0.7 - 0.8	8.2H	0.17C								
0.8 - 1.14										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15				0.017F	3.4B	0.03B						
0.15 - 0.3												
0.3 - 0.6					3.6B							
0.7 - 0.8	89C			0.025F		0.04B						
0.8 - 1.14												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.15										
0.15 - 0.3										
0.3 - 0.6										
0.7 - 0.8										
0.8 - 1.14										

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Laboratory Analyses Completed for this profile

17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - 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
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded