

Project Name: Adelaide Hills, Talunga & Para Wirra, S.A.
Project Code: TP1 **Site ID:** A153 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	E.A. Jackson	Locality:	SUB-GRASS PASTURE INCLUDING DANTHONIA STIPA SILVER GRASS BROMUS
Date Desc.:	24/11/54	Elevation:	460 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	139.051388888889	Runoff:	Rapid
Easting/Lat.:	-34.7425	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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-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
Eutrophic Subnatric Class Undetermined Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Light brownish grey (10YR6/2-Dry); ; Sand; , fine (1-2mm) roots; Clear change to -
0.08 - 0.2 m	; Sand; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Sharp change to -
0.2 - 0.38 m	; Medium clay; Few, fine (1-2mm) roots; Diffuse change to -
0.38 - 0.61 m	; Medium clay;

Morphological Notes

decomposing stone appearing & increasing with depth

Observation Notes

Site Notes

TALUNGA

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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 - 0.08	6H	0.01C	2.4K	0.6	0.15	0.04	6.7D			
0.08 - 0.2	6.3H	0.006C								
0.2 - 0.38	6.3H	0.02C	4.3K	7.9	0.51	0.92	6.1D			
0.38 - 0.61	7H	0.023C	3.3K	8.6	0.44	1.2	5.2D			

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 - 0.08				0.018F	0.083B	0.12B						
0.08 - 0.2												
0.2 - 0.38				0.024F								
0.38 - 0.61									25C	17	3	55
									20C	25	6	48

[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_H	Hydrogen Cation - 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