

Project Name: Elizabeth, S.A.
Project Code: EA1 **Site ID:** A532 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.B. Wells	Locality:	
Date Desc.:	16/04/58	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:		Runoff:	Moderately rapid
Easting/Lat.:		Drainage:	Moderately well 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Calcic Red Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red-brown earth
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - Triticum aestivum

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	; Silty loam; Weak grade of structure, Platy; Very weak consistence; Clear change to -
A2B	0.08 - 0.21 m	; Loam; Weak grade of structure, Prismatic; , Angular blocky; Very weak consistence; Gradual change to -
A2B	0.21 - 0.29 m	; Clay loam; Weak grade of structure, Prismatic; , Angular blocky; Very weak consistence; Clear change to -
B1	0.29 - 0.56 m	; Medium clay; 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Very firm consistence; Sharp change to -
B1k	0.56 - 0.74 m	; Clay loam; , Granular; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Clear change to -
B2k	0.74 - 0.89 m	; Clay loam; , Granular; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
B2k	0.89 - 1.32 m	; Clay loam; , Granular; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
C1	1.32 - 1.45 m	; Silty loam; Weak grade of structure; FragmentWeak consistence; Very few (0 - 2 %), Calcareous, , Tubules; Clear change to -
	1.45 - 1.73 m	; Loam (Heavy); Weak grade of structure; FragmentVery weak consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Tubules;
	1.73 - 2.29 m	; Clay loam; Weak grade of structure; FragmentVery weak consistence; Diffuse change to -
	2.29 - 2.54 m	; Silty loam; Weak grade of structure; FragmentVery weak consistence;
	3.02 - 3.33 m	; Silty loam;

Morphological Notes

Observation Notes

74-89CM bG TUBULAR INFILLS PERHAPS OF SURFACE MATERIAL:

Site Notes

ADELAIDE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.08	6.8H	0.025C	5.1K	1.8	0.79	0.59			
0.08 - 0.21	7H	0.019C	5.1K	2.4	0.56	0.64			
0.21 - 0.29	7.3H	0.015C	7.7K	4.7	0.75	1.4			
0.29 - 0.56	7.9H	0.028C	12K	8.3	1.2	2.3			
0.56 - 0.74	9.3H	0.086C							
0.74 - 0.89	9.4H	0.1C	8K	7.7	0.95	3.1			
0.89 - 1.32	9.7H	0.14C							
1.32 - 1.45	9.7H	0.2C							
1.45 - 1.73	9.3H	0.19C	3.7K	18.6	0.9	6.9			
1.73 - 2.29	9H	0.3C							
2.29 - 2.54	8.8H	0.32C							
3.02 - 3.33	8.3H	0.4C	3.6K	8.1	0.72	8.1			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
0 - 0.08	0.01C			0.023F	0.062B	0.36B			9C	46	26	18
0.08 - 0.21	0.01C				0.057B				7C	44	23	25
0.21 - 0.29	0.01C				0.058B				5C	33	17	45
0.29 - 0.56	0.03C			0.027F	0.064B	0.93B			4C	19	9	66
0.56 - 0.74	3.4C								5C	28	16	46
0.74 - 0.89	3C							14	6C	31	18	41
0.89 - 1.32	3.4C							19	9C	33	21	34
1.32 - 1.45	0.5C								4C	43	24	28
1.45 - 1.73	0.06C								2C	25	36	37
1.73 - 2.29	0.02C								1C	20	37	40
2.29 - 2.54	0.01C								2C	38	27	28
3.02 - 3.33	0.01C								1C	36	31	26

[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
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 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