

Project Name: Elizabeth, S.A.
Project Code: EA1 **Site ID:** A533 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.B. Wells	Locality:	
Date Desc.:	17/04/58	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:		Runoff:	Rapid
Easting/Lat.:		Drainage:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	Flood plain
Morph. Type:	Flat	Relief:	0 metres
Elem. Type:	No Data	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:	Rendzina
All necessary analytical data are available.			

Site Disturbance:

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

Surface Coarse Fragments:

Profile Morphology

AB	0 - 0.06 m	Dark reddish brown (5YR3/3-Moist); ; Loam; Strong grade of structure, Granular; Very weak consistence; Gradual change to -
B1	0.06 - 0.21 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; <2 mm, Granular; Very weak consistence; Gradual change to -
B2	0.21 - 0.4 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam; 20-50 mm, Prismatic; <2 mm, Granular; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
B1k	0.4 - 0.45 m	Reddish brown (5YR4/4-Moist); ; Loam; , Granular; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Gradual change to -
B2k	0.45 - 0.58 m	Reddish brown (5YR5/4-Moist); ; Loam; Weak grade of structure; FragmentVery weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Clear change to -
B3k	0.58 - 0.89 m	Red (2.5YR4/6-Moist); ; Clay loam; Weak grade of structure, 20-50 mm, Prismatic; , Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
	0.89 - 1.11 m	; Medium clay; Weak grade of structure, 20-50 mm, Prismatic; , Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Clear change to -
	1.11 - 1.75 m	; Medium clay; Weak grade of structure, 20-50 mm, Prismatic; , Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
	1.75 - 2.21 m	; Medium clay; 100-200 mm, Prismatic; , Granular; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
	2.21 - 2.59 m	; Medium clay; 100-200 mm, Prismatic; , Granular; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
	2.67 - 2.97 m	; Medium clay; 100-200 mm, Prismatic; , Granular; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
	2.97 - 3.33 m	; Medium clay; 100-200 mm, Prismatic; , Granular; Weak consistence;

Morphological Notes

Observation Notes

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Site Notes

ADELAIDE

INCREASINGLY GLAZED AGGREGATES:

Observation ID: 1

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 - 0.06	8H	0.043C	29K	4.8	2.4	0.56				
0.06 - 0.21	8.6H	0.039C								
0.21 - 0.4	8.8H	0.043C								
0.4 - 0.45	9.2H	0.046C								
0.45 - 0.58	9.4H	0.057C								
0.58 - 0.89	9.7H	0.093C	9K	6.4	0.68	2.9				
0.89 - 1.11	9.8H	0.15C								
1.11 - 1.75	9.8H	0.22C								
1.75 - 2.21	9.8H	0.26C	2.7K	11	1.4	8.3				
2.21 - 2.59	9.8H	0.3C								
2.67 - 2.97	9.7H	0.31C								
2.97 - 3.33	9.6H	0.35C								

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 - 0.06	0.04C			0.03F	0.153B	0.84B			5C	28	20	45
0.06 - 0.21	0.13C				0.107B				5C	32	15	45
0.21 - 0.4	0.22C			0.019F	0.087B	0.81B			5C	28	15	52
0.4 - 0.45	24C				0.055B				4C	24	8	38
0.45 - 0.58	41C								4C	17	6	29
0.58 - 0.89	43C								2C	16	4	31
0.89 - 1.11	39C								2C	12	7	39
1.11 - 1.75	35C								3C	17	5	38
1.75 - 2.21	27C								4C	21	7	39
2.21 - 2.59	24C								4C	21	9	42
2.67 - 2.97	14C								3C	32	6	43
2.97 - 3.33	12C								5C	32	9	42

[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 (CaCO ₃) - 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