

**Project Name:** Elizabeth, S.A.  
**Project Code:** EA1      **Site ID:** A534      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

#### Site Information

<b>Desc. By:</b> C.B. Wells	<b>Locality:</b>
<b>Date Desc.:</b> 21/04/58	<b>Elevation:</b> No Data
<b>Map Ref.:</b>	<b>Rainfall:</b> 0
<b>Northing/Long.:</b>	<b>Runoff:</b> Moderately rapid
<b>Easting/Lat.:</b>	<b>Drainage:</b> Imperfectly drained

#### Geology

<b>ExposureType:</b> No Data	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b> No Data
<b>Morph. Type:</b> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> No Data	<b>Slope Category:</b> Gently inclined
<b>Slope:</b> 0 %	<b>Aspect:</b> No Data

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Calcic Hypernatric Red Sodosol	<b>Principal Profile Form:</b> N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Black earth
All necessary analytical data are available.	

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

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

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Moist); ; Fine sandy loam; Massive grade of structure; Strong consistence; Diffuse change to -
A2B	0.1 - 0.18 m	Reddish brown (5YR5/4-Moist); ; Fine sandy loam (Heavy); Massive grade of structure; Strong consistence; Sharp change to -
B1	0.18 - 0.38 m	Dark reddish brown (5YR3/2-Moist); ; Medium clay; 10-20 mm, Angular blocky; 5-10 mm, Angular blocky; Very firm consistence; Gradual change to -
B2	0.38 - 0.58 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; 10-20 mm, Angular blocky; , Granular; Firm consistence; Gradual change to -
B1k	0.58 - 0.81 m	Reddish brown (5YR4/4-Moist); ; Medium clay; 10-20 mm, Angular blocky; , Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
B2k	0.86 - 0.96 m	Reddish brown (5YR5/4-Moist); ; Fine sandy loam; Very few (0 - 2 %), Calcareous, , Soft segregations; Clear change to -
	0.96 - 1.09 m	Reddish brown (5YR4/4-Moist); ; Loam; Sharp change to -
	1.09 - 1.27 m	Dark red (2.5YR3/6-Moist); ; Clay loam; 20-50 mm, Angular blocky; , Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Clear change to -
	1.27 - 1.47 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Gradual change to -
	1.47 - 1.75 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
	1.93 - 2.13 m	Reddish brown (5YR4/3-Moist); ; Loam; Strong grade of structure, 20-50 mm, Angular blocky; , Granular; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Clear change to -
3A	2.13 - 2.23 m	Yellowish red (5YR4/6-Moist); ; Clay loam, fine sandy (Heavy); Weak grade of structure, Granular; ; FragmentVery weak consistence; Clear change to -

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|---------------|--|
| 2.23 - 2.46 m | Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; 50-100 mm, Prismatic; , Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Nodules; Gradual change to -            |
| 2.46 - 2.59 m | Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; 50-100 mm, Prismatic; , Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;                      |
| 2.69 - 2.97 m | Dark red (2.5YR3/6-Moist); ; Clay loam; 50-100 mm, Prismatic; , Granular; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -              |
| 2.97 - 3.22 m | Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; 20-50 mm, Prismatic; , Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Sharp change to - |
| 3.22 - 3.35 m | Red (2.5YR4/6-Moist); ; Medium clay; , Angular blocky; , Granular; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;                                   |

**Morphological Notes**

**Observation Notes**

ALL GLAZED PEDS:

**Site Notes**

ADELAIDE

**Observation ID: 1**

[illegible]

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1.09 - 1.27  
1.27 - 1.47  
1.47 - 1.75  
1.93 - 2.13  
2.13 - 2.23  
2.23 - 2.46  
2.46 - 2.59  
2.69 - 2.97  
2.97 - 3.22  
3.22 - 3.35

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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_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