

**Project Name:** Eyre Peninsula Soil Survey  
**Project Code:** EP **Site ID:** A1231 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	Malcolm J. Wright	<b>Locality:</b>	Palabie district, alongside Piggery.
<b>Date Desc.:</b>	21/10/83	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	135.41666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-33.03333333	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<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>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Gc1.12
		<b>Great Soil Group:</b>	Solonized brown soil

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.1 m	Dark brown (7.5YR3/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Few, fine (1-2mm) roots;
0.1 - 0.2 m	Dark brown (7.5YR3/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Few, fine (1-2mm) roots;
0.2 - 0.3 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Sandy loam (Light); Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Few, fine (1-2mm) roots;
0.3 - 0.4 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Sandy clay; Massive grade of structure; Weak consistence; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Few, fine (1-2mm) roots; Diffuse change to -
0.4 - 0.5 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Sandy clay; Massive grade of structure; Weak consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Few, fine (1-2mm) roots;
0.5 - 0.63 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Sandy clay; Massive grade of structure; Weak consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Concretions; Few, fine (1-2mm) roots;

**Morphological Notes**

Texture is LS to light SL.  
Texture is LS to light SL.  
Texture is SC to very light SCL.  
Texture is SC to very light SCL.  
Texture is SC to very light SCL.

**Observation Notes**

Vegetation is cleared. Soil Family is Unit 16 (Poochera).

**Site Notes**

Landform: near crest of high.

**Project Name:** Eyre Peninsula Soil Survey  
**Project Code:** EP                      **Site ID:** A1231  
**Agency Name:** CSIRO Division of Soils (SA)

**Observation ID:** 1

**Observation ID: 1**

[illegible]

**Project Name:** Eyre Peninsula Soil Survey  
**Project Code:** EP **Site ID:** A1231 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Laboratory Analyses Completed for this profile**

12C2	Calcium chloride extractable boron - ICPAES
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - 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
15J_BASES	Sum of Bases
18B2	Sulfuric acid (10%)- extractable potassium
19B1	Carbonates - manometric
2_LOI	Loss on Ignition (%)
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9B2	Bicarbonate-extractable phosphorus - automated colour
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10_PB1_C	Clay (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_CS	Coarse sand (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_FS	Fine sand (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_Z	Silt (%) - Plummet balance (Acid digestion pretreatment)