

Project Name: Eyre Peninsula Soil Survey
Project Code: EP **Site ID:** A1218 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Malcolm J. Wright	Locality:	East of Poochera township.
Date Desc.:	18/10/83	Elevation:	No Data
Map Ref.:	1:100000	Rainfall:	No Data
Northing/Long.:	134.96666667	Runoff:	Rapid
Easting/Lat.:	-32.71666667	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Uc1.33
		Great Soil Group:	Calcareous sand

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m	Dark brown (7.5YR3/2-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Calcareous, , Concretions; Clear change to -
0.15 - 0.3 m	Dark brown (7.5YR3/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, , Concretions; Clear change to -
0.3 - 0.5 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to -
0.3 - 0.5 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to -
0.5 - 0.7 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to -
0.5 - 0.7 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to -
0.7 - 0.9 m	Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -
0.7 - 0.9 m	Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -
0.9 - 1.1 m	Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -

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0.9 - 1.1 m	Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -
1.1 - 1.4 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -
1.1 - 1.4 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Diffuse change to -
1.4 - 1.7 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Loose consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Clear change to -
1.4 - 1.7 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Clear change to -
1.7 - 2 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Sandy loam (Light); Massive grade of structure; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions;

Morphological Notes

Consistence = coherent but loose when disturbed.
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 Texture = LS to light SL.
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Observation Notes

Vegetation is cleared. Soil family: Unit 20 (Bald Hills). PPF: Uc5.12 (MJW)/Uc1.33 (NBB).

Site Notes

Local climate: semi-arid.

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Laboratory Test Results:

[illegible]

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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)