

Project Name: Eyre Peninsula Soil Survey
Project Code: EP **Site ID:** A1221 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Malcolm J. Wright	Locality: Streaky Bay to Calca road, Ripon district..
Date Desc.: 19/10/83	Elevation: No Data
Map Ref.: 1:100000	Rainfall: No Data
Northing/Long.: 134.4	Runoff: Slow
Easting/Lat.: -32.91666667	Drainage: Poorly 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: Plain	Slope Category: No Data
Slope: %	Aspect: No Data

Surface Soil Condition (dry): Surface crust

Erosion:

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: N/A
	Great Soil Group: N/A

Site Disturbance:

Vegetation:

Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.14 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); ; Loamy fine sand; Massive grade of structure; Weak grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Many, fine (1-2mm) roots;
0.14 - 0.25 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); ; Loamy fine sand; Massive grade of structure; Weak grade of structure; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Few, coarse (>5mm) roots; Many, medium (2-5mm) roots;
0.25 - 0.4 m	Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); ; Loamy fine sand; Massive grade of structure; Weak grade of structure, Columnar; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, , Concretions; , fine (1-2mm)
0.4 - 0.5 m	Light grey (10YR7/2-Moist); White (10YR8/2-Dry); ; Loamy sand; Massive grade of structure; Weak grade of structure, Angular blocky; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Few (2 - 10 %), Calcareous, , Concretions; Few, fine (1-2mm) roots;
0.5 - 0.7 m	Light grey (2.5Y7/2-Moist); White (10YR8/1-Dry); ; Loamy sand; Massive grade of structure; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Many (20 - 50 %), Calcareous, , Concretions; Few, medium (2-5mm) roots;
0.7 - 0.8 m	Light grey (2.5Y7/2-Moist); White (10YR8/1-Dry); ; Loamy sand; Massive grade of structure; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Few, fine (1-2mm) roots;
0.8 - 0.9 m	Greyish brown (2.5Y5/2-Moist); Light brownish grey (2.5Y6/2-Dry); ; Clay loam; Massive grade of structure; Weak grade of structure, Angular blocky; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

Weak surface crust. Sample 1 and 2's structure is massive to very weak crumb, consistence is coherent but powdery when disturbed.
 Some large roots to 15mm, many smaller.
 Occasional roots (6mm).
 Occasional root (2mm) Many fine calcareous tubules to 1.5mm.

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Highly vesic - some calcareous tubules.

Observation Notes

Vegetation: moderate to dense Eucalypt and Melaleuca woodland. Parent material: ? Depositional carbonates. Soil family: Unit 34 (Yandra).

Site Notes

Landform: Plain/lacustrine channels.

Hole 40.

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Laboratory Analyses Completed for this profile