

Project Name: Eyre Peninsula Soil Survey
Project Code: EP **Site ID:** A1219 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Malcolm J. Wright	Locality: South of Ucontichie Hill, Pordia district.
Date Desc.: 19/10/83	Elevation: No Data
Map Ref.: 1:100000	Rainfall: No Data
Northing/Long.: 135.23333333	Runoff: Rapid
Easting/Lat.: -33.21666667	Drainage: Moderately 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: Lower-slope	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: Dy2.43
	Great Soil Group: Solonetz

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark yellowish brown (10YR3/4-Moist); Yellowish brown (10YR5/4-Dry); ; Loamy sand; Single grain grade of structure; Massive grade of structure; Very weak consistence; Many, fine (1-2mm) roots; Clear change to -
0.1 - 0.14 m	Yellowish brown (10YR5/5-Moist); Very pale brown (10YR7/4-Dry); ; Loamy sand; Single grain grade of structure; Massive grade of structure; Very weak consistence; Many, fine (1-2mm) roots; Sharp change to -
0.14 - 0.25 m	Strong brown (7.5YR4/5-Moist); Strong brown (7.5YR5/5-Dry); ; Clayey fine sand; , Columnar; , Angular blocky; Firm consistence; Very few (0 - 2 %), Calcareous, , Veins; ManyDiffuse change to -
0.25 - 0.3 m	Strong brown (7.5YR5/6-Moist); Reddish yellow (7.5YR7/5-Dry); ; Clay loam; Weak grade of structure, Columnar; Weak grade of structure, Angular blocky; Very firm consistence; Few (2 - 10 %), Calcareous, , Veins;
0.3 - 0.4 m	Strong brown (7.5YR5/6-Moist); Reddish yellow (7.5YR7/6-Dry); ; Clay loam; Massive grade of structure; Weak grade of structure, Platy; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Few
0.4 - 0.5 m	Strong brown (7.5YR5/6-Moist); Reddish yellow (7.5YR7/6-Dry); ; Clay loam; Massive grade of structure; Weak grade of structure, Platy; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Few
0.5 - 0.6 m	Strong brown (7.5YR5/7-Moist); Reddish yellow (7.5YR7/6-Dry); ; Clay loam (Heavy); Massive grade of structure; Weak grade of structure, Platy; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Many
0.6 - 0.75 m	Strong brown (7.5YR5/7-Moist); Reddish yellow (7.5YR7/6-Moist); ; Clay loam; Massive grade of structure; Weak grade of structure, Platy; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Many

Morphological Notes

Many roots and root channels, bleached surface on coarse domes. Very sticky when moist. Consistence is dry: firm, moist:extremely sticky.
 Texture is CL to LC. Consistence is firm to hard when dry.
 Very few roots or channels apparent but some vesicles. Not as sticky as sample 4.
 Texture is CL to LC.

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Very weak roots or channels apparent but some vesicles. Texture is CL to LC.
Browner infillings in channels. Many roots and root channels apparent again.
Browner infillings in channels. Many roots and root channels apparent again. Sticky
again. Texture = CL to LC

Observation Notes

Cleared vegetation. Soil Family: Unit 41 (Addison).

Site Notes

Local climate: semi-arid.

Landform: Lower flank slope to local high.

Hole 102 - June 1980 NBB/JMT.

Observation ID: 1

0 - 0.1
0.1 - 0.14
0.14 - 0.25
0.25 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.75

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Laboratory Analyses Completed for this profile