

Project Name: Upper York Penin., S.A.
Project Code: NY1 Site ID: A889 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	R.W. Jessup	Locality:	
Date Desc.:	19/02/63	Elevation:	76 metres
Map Ref.:	Sheet No. : SI53-12 1:250000	Rainfall:	380
Northing/Long.:	137.756944444444	Runoff:	Moderately rapid
Easting/Lat.:	-34.0930555555556	Drainage:	No Data

Geology

ExposureType:	No Data	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:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Hypercalcic Red Chromosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Red-brown earth
Analytical data are incomplete but reasonable confidence.		

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.12 m	Reddish brown (5YR4/4-Dry); ; Clay loam; Weak grade of structure, Subangular blocky; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Sharp change to -
B	0.12 - 0.33 m	Dark red (2.5YR3/6-Dry); ; Medium clay; Strong grade of structure, Subangular blocky; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Diffuse change to -
Bk	0.33 - 0.76 m	Reddish yellow (5YR6/6-Dry); ; Medium clay; Massive grade of structure; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very many (50 - 100 %), Calcareous, , Soft segregations; Diffuse change to -
	0.76 - 1.14 m	; Medium clay; Massive grade of structure; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.12	8H	0.058C								
0.12 - 0.33	8.1H	0.058C								
0.33 - 0.76	9.4H	0.11C								
0.76 - 1.14	9.8H	0.19C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.12	0.21C								9C	37	14	33
0.12 - 0.33	0.06C								5C	13	9	71
0.33 - 0.76	41C							2	3C	10	5	36
0.76 - 1.14	56C							21	5C	9	5	21

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
			g/g - m3/m3		
0 - 0.12					
0.12 - 0.33					
0.33 - 0.76					
0.76 - 1.14					

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - 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
P10_GRAV	Gravel (%)
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