

Project Name: Upper York Penin., S.A.
Project Code: NY1 **Site ID:** A855 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	R.W. Jessup	Locality:	
Date Desc.:	11/12/62	Elevation:	43 metres
Map Ref.:	Sheet No. : SI53-12	Rainfall:	355
Northing/Long.:	137.701388888889	Runoff:	Rapid
Easting/Lat.:	-34.019444444445	Drainage:	No Data

Geology

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

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
Haplic Petrocalcic Leptic Calcarosol		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: Low Strata - Tussock grass, , . *Species includes - Triticum aestivum

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m	Reddish brown (5YR4/4-Dry); ; Clay loam; Weak grade of structure, Subangular blocky; Very firm consistence; 0-2%, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, ,
0.15 - 0.3 m	Dark reddish brown (2.5YR3/4-Dry); ; Light clay; Strong grade of structure, Subangular blocky; Very firm consistence; 0-2%, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions;
0.3 - 0.53 m	Reddish yellow (5YR6/6-Dry); ; Light clay; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments; Very many (50 - 100 %), Calcareous, , Soft segregations; Calcrete, Very strongly cemented, Discontinuous;
0.53 - 0.86 m	;

Morphological Notes

kunkar concretions: little soil

Observation Notes

Site Notes

WALLAROO

Observation ID: 1

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	8.6H	0.069C			3.2	0.52				
0.15 - 0.3	8.6H	0.077C	31K	5.9	1.6	1.2				
0.3 - 0.53	8.7H	0.099C			1.1	0.96				
0.53 - 0.86	8.5H	0.17C								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15	0.7C								7C	29	16	39
0.15 - 0.3	0.24C								6C	25	8	56
0.3 - 0.53	32C							30	4C	20	6	34
0.53 - 0.86	30C							86	4C	21	6	36

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - 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
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