Project Name: Upper York Penin., S.A.

Project Code: NY1 Site ID: A881 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: R.W. Jessup Locality:

 Date Desc.:
 01/02/63
 Elevation:
 No Data

 Map Ref.:
 Sheet No.: SI53-12
 1:250000
 Rainfall:
 365

Northing/Long.: 137.680555555556 Runoff: Moderately rapid

<u>Geology</u>

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

Land Form

Rel/Slope Class:No DataPattern Type:No DataMorph. Type:No DataRelief:0 metresElem. Type:PlainSlope Category:No DataSlope:0 %Aspect:No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AEndohypersodic Regolithic Lithocalcic CalcarosolPrincipal Profile Form:N/A

ASC Confidence: Great Soil Group: Red-brown earth

All necessary analytical data are available. **Site Disturbance:** Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A 0 - 0.08 m Reddish brown (5YR4/4-Dry); ; Clay loam; Moderate grade of structure, Subangular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to
Bk 0.3 - 0.5 m Reddish brown (2.5YR4/4-Dry); ; Light clay; Strong grade of structure, Subangular blocky; Very firm consistence; Diffuse change to
Reddish yellow (5YR6/6-Dry); ; Medium clay; Massive grade of structure; Very firm consistence; Very many (50 - 100 %), Calcareous, , Concretions; Diffuse change to
0.5 - 0.88 m Reddish yellow (7.5YR8/6-Dry); ; Medium clay; Massive grade of structure; Very firm consistence; 0-2%, Gravel, coarse fragments; Many (20 - 50 %), Calcareous, , Soft segregations; Diffuse change to -

Reddish brown (5YR5/4-Dry); ; Moderate grade of structure, Angular blocky; Strong consistence;

0-2%, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;

Morphological Notes

0.88 - 1.32 m

Observation Notes

Site Notes

TIPARRA

Project Name: Project Code: Agency Name:

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Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	Na	Exchangeable Acidity	CEC		ECEC	E	SP
m		dS/m	sa iv	ig	ĸ	Cmol (+					Q.	6
0 - 0.08	9.3H	0.06C			2.7	0.45						
0.08 - 0.3	8.4H	0.051C			1.6	0.52		44.	J		1	.18
0.3 - 0.5 0.5 - 0.88	8.8H 9.5H	0.057C 0.22C			1	5.1		48.	ı		10	0.63
0.88 - 1.32	9.3H	0.53C			'	5.1		52			10	7.00
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysis	
-	.,	C	Ρ	P	N	K	Density	GV	cs	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08	5.9C								6C	31	11	38
0.08 - 0.3	0.470)							10C	25	7	52
0.3 - 0.5	47C								5C	16		23
0.5 - 0.88	49C								5C	13		24
0.88 - 1.32	7.6C								7C	23	8	52
Depth	COLE	Gravimetric/Volumetric Water Contents K sat K unsat Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar										
m		Jai.	0.05 Bai		g - m3/m3		J Dal I	, Dai	mm	/h	mm/h	

0 - 0.08 0.08 - 0.3 0.3 - 0.5 0.5 - 0.88 0.88 - 1.32

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NY1 **Project Code:** Site ID: A881 Observation ID: 1

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Laboratory Analyses Completed for this profile

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_NA Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

19B_NR Calcium Carbonate (CaCO3) - Not recorded

Loss on Ignition (%) 2_LOI 2A1 Air-dry moisture content

3A_TSS Electrical conductivity or soluble salts - Total soluble salts %

pH of soil - Not recorded 4_NR

Water soluble Chloride - Cl(%) - Not recordede 5_NR

Smectite - X-Ray Diffraction

MIN_NR_K2O Kaolin minerals

Clay (%) - Not recorded Coarse sand (%) - Not recorded P10_NR_C P10_NR_CS P10_NR_FS Fine sand (%) - Not recorded P10_NR_Z Silt (%) - Not recorded XRD_C_Hm XRD_C_II Hematite - X-Ray Diffraction
Illite - X-Ray Diffraction XRD_C_Ka XRD_C_Qz XRD_C_St Kaolin - X-Ray Diffraction Quartz - X-Ray Diffraction