Project Name: **Upper York Penin., S.A.**
Project Code: **NY1** **Site ID:** **A918** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	R.W. Jessup	**Locality:**	
Date Desc.:	04/09/63	**Elevation:**	61 metres
Map Ref.:	Sheet No. : SI53-12 1:250000	**Rainfall:**	365
Northing/Long.:	137.691666666667	**Runoff:**	Rapid
Easting/Lat.:	-34.1486111111111	**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:**	8 metres
Elem. Type:	Dune	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Calcareous Regolithic Orthic Tenosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance: Cultivation. Rainfed

Vegetation: Low Strata - , , . *Species includes - Triticum aestivum

Surface Coarse Fragments:

Profile Morphology

0 - 0.17 m	Light yellowish brown (10YR6/4-Moist); ; Fine sand; Sharp change to -
0.17 - 0.25 m	Dark brown (10YR3/3-Moist); ; Fine sand; Sharp change to -
0.25 - 0.5 m	Yellowish red (5YR5/8-Moist); ; Loamy sand; Massive grade of structure; Weak consistence; Diffuse change to -
0.5 - 0.73 m	Yellowish red (5YR5/8-Moist); ; Loamy sand; Massive grade of structure; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to -
0.73 - 1.21 m	Reddish yellow (7.5YR7/6-Moist); ; Sandy clay loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Sharp change to -
1.21 - 1.52 m	Reddish yellow (7.5YR7/6-Moist); ; Sandy clay loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Diffuse change to -
1.52 - 1.82 m	Reddish yellow (7.5YR7/6-Moist); ; Sandy clay loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

PATCHES OF VERY WEAK INDURATION IN LAYERS 6 & 7

Site Notes

TIPARRA

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.17	8.8H	0.026C								
0.17 - 0.25	8.1H	0.025C								
0.25 - 0.5	8H	0.029C								
0.5 - 0.73	8.8H	0.037C								
0.73 - 1.21	9.1H	0.043C								
1.21 - 1.52	9.3H	0.047C								
1.52 - 1.82	9.9H	0.14C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.17	0.05C								25C	71	0	3
0.17 - 0.25	0.03C								34C	57	0	6
0.25 - 0.5	0.02C								35C	55	0	10
0.5 - 0.73	2.8C								31C	52	0	14
0.73 - 1.21	27C								21C	40	0	11
1.21 - 1.52	34C								21C	32	0	13
1.52 - 1.82	27C								22C	37	0	14

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		g/g - m3/m3							mm/h	mm/h
0 - 0.17										
0.17 - 0.25										
0.25 - 0.5										
0.5 - 0.73										
0.73 - 1.21										
1.21 - 1.52										
1.52 - 1.82										

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO3) - 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 recordede
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