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

Project Code: NY1 Site ID: A853 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
 1:250000
 Rainfall:
 355

Northing/Long.: 137.701388888889 Runoff: Moderately rapid

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: Calcareous sand

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/AClass Undetermined Regolithic Hypercalcic CalcarosolPrincipal 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 Brown (7.5YR5/4-Dry); ; Clay loam; Weak grade of structure, Subangular blocky; Very firm

consistence; 0-2%, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft

segregations; Sharp change to -

0.15 - 0.27 m Reddish brown (2.5YR4/4-Dry); ; Medium clay; Strong grade of structure, Subangular blocky;

Very firm consistence; 0-2%, Gravel, coarse fragments; Sharp change to -

0.27 - 0.66 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;

Diffuse change to -

0.66 - 0.88 m ; Very many (50 - 100 %), , , ; Diffuse change to -

0.88 - 1.16 m Pink (7.5YR8/4-Dry); ; Silty loam; Massive grade of structure; Very firm consistence; Very many

(50 - 100 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

WALLAROO

Project Name: Project Code: Agency Name:

Upper York Penin., S.A.
NY1 Site ID: A
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Laboratory Test Results:

Depth	pН	1:5 EC C		angeable	Cations K	Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m	a IVI	Mg		Cmol (+)/kg					%	
0 - 0.15	8.5H	0.082C										
0.15 - 0.27	8.3H	0.27C										
0.27 - 0.66	8.4H	0.73C										
0.66 - 0.88	8.7H	1.6C										
0.88 - 1.16	9H	0.14C										
Depth	CaCO3	Organic	Avail.	Total	Total	Tota	l Bulk	P	article	Size	Analysi	s
		С	Р	Р	N	K	Density	G۷	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15	2C								9C	30	16	38
		_										

0 - 0.15	2C		9C	30	16	38
0.15 - 0.27	0.48C		3C	28	8	56
0.27 - 0.66	37C	4	4C	17	3	34
0.66 - 0.88	49C	69	3C	15	4	24
0.88 - 1.16	57C	8	2C	16	2	18

Depth	COLE	Gravimetric/Volumetric Water Contents								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 - 0.15 0.15 - 0.27 0.27 - 0.66 0.66 - 0.88 0.88 - 1.16

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Laboratory Analyses Completed for this profile

19B_NR Calcium Carbonate (CaCO3) - Not recorded

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

Electrical conductivity or soluble salts - Total soluble salts % pH of soil - Not recorded

3A_TSS 4_NR

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

P10_GRAV Gravel (%)

P10_NR_C P10_NR_CS Clay (%) - Not recorded
Coarse sand (%) - Not recorded
Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded