Project Name: Yudnapina Station, S.A.

Project Code: Site ID: A204 Observation ID: 1 YS1

Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: E.A. Jackson Locality: NATURAL GRAZING: SITE BURNT BY BUSHFIRE

30 YRS AGO: MYOPORUM ONLY TREE& IN VERY

SMALL NUMBERS AT SITE

Date Desc.: 07/06/55 Elevation: 180 metres Map Ref.: Rainfall: 180 Northing/Long.: 136.91305555556 Runoff: Slow

-32.321944444445 Drainage: Moderately well drained Easting/Lat.:

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Plain

1-3%

Morph. Type: Flat Relief: No Data

Very gently sloped No Data Elem. Type: Plain Slope Category: Slope:

0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Haplic Endic Supracalcic Calcarosol **Principal Profile Form:** N/A **ASC Confidence: Great Soil Group:** N/A

Analytical data are incomplete but reasonable confidence.

Site Disturbance:

Vegetation:

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.01 m	Reddish yellow (5YR6/6-Moist); ; Sandy loam; Abrupt change to -
0.01 - 0.14 m	Yellowish red (5YR4/8-Moist); ; Sandy loam; Few, medium (2-5mm) roots; Clear change to -
0.14 - 0.3 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Common, fine (1-2mm) roots; Abrupt change to -
0.3 - 0.53 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Abrupt change to - $^{\circ}$
0.53 - 0.79 m	Reddish yellow (5YR6/6-Moist); ; Sandy medium clay; Many (20 - 50 %), Calcareous, , Nodules; Diffuse change to -
0.79 - 1.07 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Soft segregations;
1.07 - 1.4 m	Yellowish red (5YR5/6-Moist); ; Sandy medium clay; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Clear change to -
1.4 - 1.65 m	; Sandy medium clay; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations;
1.65 - 1.96 m	; Sandy medium clay; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations;
1.96 - 2.13 m	; Sandy medium clay; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations;

Morphological Notes

with occ. dark brown more compacted loamy sand aggregates

Observation Notes

IN LOW MOUNDS AT THE BASE OF BUSHES & SHRUBS

SLIGHTLY IRREGULAR IN PART COVERED BY AN ALGAL CRUST IRREGULARLY OVERLAIN BY A THIN LAYER OF LOOSE SAND PILED U

Project Name: Project Code: Agency Name: Yudnapina Station, S.A.

YS1 Site ID: A: CSIRO Division of Soils (SA) A204 Observation ID: 1

N-W PASTORAL

Yudnapina Station, S.A.

A204 Observation ID: 1

Project Name: Project Code: Agency Name: YS1 Site ID: A: CSIRO Division of Soils (SA)

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Depth	рН	1:5 EC	Excl	hangeable	Cations	E	xchangeable	CEC	E	ECEC	Е	SP	
·				Mg	K	Na	Acidity				_		
m		dS/m				Cmol (+)/	kg				,	%	
0 - 0.01	8.3H	0.042C											
0.01 - 0.14	8.9H	0.033C											
0.14 - 0.3	8.7H	0.041C											
0.3 - 0.53	9H	0.13C											
0.53 - 0.79	8.8H	0.37C											
0.79 - 1.07	8.8H	0.45C											
1.07 - 1.4	8.8H	0.47C											
1.4 - 1.65	8.9H	0.48C											
1.65 - 1.96	9H	0.52C											
1.96 - 2.13	8.9H	0.55C											
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size A	nalysis		
		C	Р "	P	N	K	Density	GV	CS	FS	Silt	Clay	
m	%	%	mg/kg	%	%	%	Mg/m3			%			
0 - 0.01	0.540	:							54C	25	10	11	
0.01 - 0.14	4.6C			0.015F	0.058	8B 0.39	В		56C	19	5	15	
0.14 - 0.3	11C								45C	22	4	18	
0.3 - 0.53	17C							5	44C	18	5	16	
0.53 - 0.79	28C							22	33C	18	3	18	
0.79 - 1.07	30C							30	35C	15	4	16	
1.07 - 1.4	27C												
1.4 - 1.65	25C												
1.65 - 1.96	11C							16	44C	17	4	24	
1.96 - 2.13	5.9C							10	41C	22	3	28	
Depth COLE Gravimetric/Volumetric Water Contents K sat K unsat													
Depth	COLE	Sat.	Grav 0.05 Bar	imetric/Vol 0.1 Bar	umetric W 0.5 Bar	ater Conte		5 Bar	K sat		K unsat		
m		Jai.	U.UJ Dal		0.5 Bai - m3/m3		J Dai I	Jai	mm/l	h	mm/h		
					-								

0 - 0.01 0.01 - 0.14 0.14 - 0.3 0.3 - 0.53 0.53 - 0.79 0.79 - 1.07 1.07 - 1.4 1.4 - 1.65 1.65 - 1.96 1.96 - 2.13

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Laboratory Analyses Completed for this profile

17A_NR

Total element - K(%) - Not recorded Calcium Carbonate (CaCO3) - Not recorded 19B_NR

2_LOI Loss on Ignition (%) 2A1

Air-dry moisture content
Electrical conductivity or soluble salts - Total soluble salts % 3A_TSS

4_NR pH of soil - Not recorded

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

7_NR 9A_NR Total nitrogen (%) - Not recorded
Total element - P(%) - Not recorded

P10_GRAV Gravel (%)

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