

Project Name: Yudnapina Station, S.A.
Project Code: YS1 **Site ID:** A219 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	E.A. Jackson	Locality:	SEVERELY OVER-GRAZED DUE TO PROXIMITY OF DAM & SITE OF OLD WOOLSHED
Date Desc.:	29/09/55	Elevation:	75 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	137.384722222222	Runoff:	Moderately rapid
Easting/Lat.:	-32.102777777778	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Slate

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hyperbasic Paralithic Leptic 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 - , , . *Species includes - None Recorded

Surface Coarse Fragments: 20-50%, fine gravelly, 2-6mm, , Gravel

Profile Morphology

0 - 0.03 m	Light brown (7.5YR6/4-Moist); ; Loam; Diffuse change to -
0.03 - 0.15 m	Brown (7.5YR5/4-Moist); ; Clay loam; 20-50%, medium gravelly, 6-20mm, Slate, coarse fragments; Diffuse change to -
0.15 - 0.25 m	Yellowish brown (10YR5/4-Moist); ; Clay loam; 20-50%, coarse gravelly, 20-60mm, Slate, coarse fragments; Diffuse change to -
0.25 - 0.43 m	Dark yellowish brown (10YR4/4-Moist); ; Clay loam;
0.43 - 0.58 m	Olive grey (5Y4/2-Moist); ;

Morphological Notes

decomposing slate

Observation Notes

DIFFERS IN TEXTURE FROM THE LATTER

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MINOR TYPE:

APPARENTLY FORMED FROM UNDERLYING SLATE. SIMILAR IN COLOUR & GENERAL PROFILE FORM TO PAXTON TYPE 2 BUT

Site Notes

N-W PASTORAL

Observation ID: 1

[illegible]

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 - 0.03	15C			0.032F	0.044B	0.44B		9	25C	22	10	28
0.03 - 0.15	26C							8	17C	17	15	23
0.15 - 0.25	26C							4	12C	18	21	22
0.25 - 0.43	19C							30	7C	19	31	22
0.43 - 0.58	14C					0.83B						

[illegible]

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Laboratory Analyses Completed for this profile

17A_NR	Total element - K(%) - 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
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - 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