

Project Name: Yudnapina Station, S.A.
Project Code: YS1 **Site ID:** A202 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	E.A. Jackson	Locality:	SHEEP GRAZING ON NATIVE FLORA
Date Desc.:	19/05/55	Elevation:	305 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	137.579722222222	Runoff:	Moderately rapid
Easting/Lat.:	-32.1069444444445	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating hills 90-300m 3-	Pattern Type:	Plateau
Morph. Type:	Crest	Relief:	215 metres
Elem. Type:	Summit surface	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Pedaric Class Undetermined Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A

No analytical data are available but confidence is fair.

Site Disturbance:

Vegetation:

Mid Strata - , , . *Species includes - Casuarina cristata

Tall Strata - , , . *Species includes - Atriplex vesicaria

Surface Coarse Fragments:

Profile Morphology

0 - 0.03 m	; Sandy loam; 50-90%, coarse gravelly, 20-60mm, Quartzite, coarse fragments; Clear change to -
0.03 - 0.15 m	; Medium clay; 2-10%, Quartzite, coarse fragments; Common, medium (2-5mm) roots; Diffuse change to -
0.15 - 0.3 m	; Medium clay; 2-10%, Quartzite, coarse fragments; , Calcareous, Medium (2 -6 mm), Soft segregations; FewDiffuse change to -
0.3 - 0.41 m	; Medium clay; 50-90%, stony, 200-600mm, Quartzite, coarse fragments; , Calcareous, Medium (2 -6 mm), Soft segregations; Clear change to -
0.41 - 0.76 m	; 2-10%, Quartzite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; , Gypseous, , Soft segregations; Diffuse, Irregular change to -
0.76 - 1.06 m	;

Morphological Notes

weathered quartzite with gypsum in the cracks

Observation Notes

SURFACE COVERED WITH IRREGULAR IRONSTAINED QUARTZITE FRAGMENTS 1-15 cm IN DIAMETER. LARGER QUARTZITE PIECES FLATTENED

Site Notes

N-W PASTORAL

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[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
XRD_C_Ct	Calcite - X-Ray Diffraction
XRD_C_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction
XRD_C_St	Smectite - X-Ray Diffraction