Central Aust. Exped. 1956 **Project Name:** 

Observation ID: 1 **Project Code:** CAE Site ID: A389

**CSIRO Division of Soils (SA) Agency Name:** 

Site Information

Desc. By: E.A. Jackson Locality:

Date Desc.: Elevation: 13/06/56 No Data Map Ref.: Rainfall: Northing/Long.: 134.669166666667 Runoff: Slow

-27.17333333333333 Poorly drained Easting/Lat.: Drainage:

Geology

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

**Land Form** 

Rel/Slope Class: Gently undulating plains <9m 1-Pattern Type: Plain

No Data Morph. Type: 30 metres Relief: Elem. Type: Plain Slope Category: Very gently sloped

Aspect: No Data Slope: 0 %

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

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

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Mid Strata - Shrub, , . \*Species includes - None recorded Tall Strata - Shrub, , . \*Species includes - Acacia aneura

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm, ,

**Profile Morphology** 

0 - 0.08 m Red (10R4/8-Moist); , 2.5YR58; Sandy medium clay; Weak grade of structure, Platy; Very firm

consistence; 10-20%, coarse gravelly, 20-60mm, coarse fragments; Diffuse change to -

0.08 - 0.11 m ; Medium clay; 5-10 mm, Columnar; Very weak consistence; 0-2%, fine gravelly, 2-6mm, Gravel,

coarse fragments; Sharp, Irregular change to -

0.11 - 0.4 m Red (10R4/8-Moist); , 2.5YR58; Strong grade of structure, Platy; Strong consistence; 0-2%,

medium gravelly, 6-20mm, coarse fragments; Abrupt change to -

0.4 - 0.6 m Light red (2.5YR6/8-Moist); ; Strong grade of structure, Platy; Strong consistence; 2-10%, fine

gravelly, 2-6mm, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;

## **Morphological Notes**

## **Observation Notes**

LAYER 4 - BL. INCLUSIONS & WHITE PATCHES

**Site Notes** 

N.W. PASTORAL

Project Name: Project Code: Agency Name:

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## **Laboratory Test Results:**

Euboratory rest results.												
Depth	рН	1:5 EC		nangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	E	CEC	E	SP
m		dS/m		_		Cmol (+	)/kg				•	%
0 - 0.08	6.7H	0.015B			10.4							
0.08 - 0.11	7.7H	0.034B	14.8K	5.9	1.8	1.3						
0.11 - 0.4	8H	0.25B										
0.4 - 0.6	8.2H	0.4B										
		-										
Danth	CaCO3	Ormania	Avail.	Total	Total	Total	Bulk	D-	wiala C	>: A		
Depth	Cacos	Organic C	Avaii. P	P	N	K	Density	GV	rticle S	FS A	Silt	
m	%	%	mg/kg	г %	%	%	Mg/m3	GV	CS	%	Siit	Clay
	70	70	mg/kg	70	70	70	ilig/iiio			70		
0 - 0.08				0.032F	0.02	7B		29	24C	43	22	12
0.08 - 0.11												
0.11 - 0.4	0.2C								55C	28	10	4
0.4 - 0.6	5C								58C	26	6	3
Donath	COLE		Crav	:		latar Can	4		K sat		≺ unsat	
Depth	COLE	Sat.	Gravimetric/Volumetric W Sat. 0.05 Bar 0.1 Bar 0.5 Bar				1 Bar 5 Bar 15 Bar			n sat in unsat		
m		Jai.	0.03 Bai		y - m3/m3		J Bai 13	Dai	mm/h	,	mm/h	
				5, 5	,	-				-		
0 - 0.08												
0.08 - 0.11												
0.11 - 0.4												
0.4 - 0.6												
0.4 - 0.6												

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**Agency Name: CSIRO** Division of Soils (SA)

## **Laboratory Analyses Completed for this profile**

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded 15\_NR\_CA 15\_NR\_K Exch. basic cations (K++) - meq per 100g of soil - Not recorded 15\_NR\_MG Exch. basic cations (Mg++) - med per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded Calcium Carbonate (CaCO3) - Not recorded 15 NR NA

19B\_NR

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

3\_NR Electrical conductivity or soluble salts - Not recorded

4\_NR pH of soil - Not recorded

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

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

P10\_GRAV Gravel (%)

P10\_NR\_C Clay (%) - Not recorded P10\_NR\_CS P10\_NR\_FS Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10\_NR\_Z Silt (%) - Not recorded