

**Project Name:** Central Aust. Exped. 1956  
**Project Code:** CAE **Site ID:** A387 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	E.A. Jackson	<b>Locality:</b>	SITE ON GILGAI SHELF
<b>Date Desc.:</b>	02/06/56	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	134.988333333333	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-29.0355555555556	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	15 metres
<b>Elem. Type:</b>	Pediment	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Self-mulching, Cracking

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Endohypersodic Self-Mulching Red Vertosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - None recorded  
Tall Strata - Shrub, , . \*Species includes - Atriplex vesicaria

**Surface Coarse Fragments:** 20-50%, cobbly, 60-200mm, , Gravel

**Profile Morphology**

0 - 0.01 m	; Loam; Loose consistence; 20-50%, cobbly, 60-200mm, Gravel, coarse fragments; Abrupt change to -
0.01 - 0.15 m	Red (2.5YR4/8-Moist); ; Medium clay; 10-20 mm, Columnar; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Diffuse change to -
0.15 - 0.38 m	Red (2.5YR4/6-Moist); ; Medium clay; 5-10 mm, Columnar; Very weak consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
0.38 - 0.56 m	Red (2.5YR4/6-Moist); ; Medium clay; 10-20 mm, Columnar; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), ; Abrupt change to -
0.56 - 0.71 m	Red (2.5YR4/6-Moist); ; Medium clay; 20-50 mm, Columnar; Strong consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Diffuse change to -
0.71 - 0.89 m	; Medium clay; 20-50 mm, Columnar; Strong consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few (2 - 10 %), Gypseous, Coarse (6 - 20 mm), Crystals;
0.89 - 1.14 m	; Medium clay; Very weak consistence; 10-20%, fine gravelly, 2-6mm, Gravel, coarse
1.14 - 1.44 m	; Sandy loam; Loose consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments;

**Morphological Notes**

**Observation Notes**

STONES CONSIST OF BILLY SOME Fe STAINED.

**Site Notes**

N.W. PASTORAL

**Observation ID: 1**

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**Laboratory Analyses Completed for this profile**

15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - 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_II	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