

**Project Name:** GH  
**Project Code:** GH **Site ID:** CP49 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

#### Site Information

**Desc. By:** J. Loveday **Locality:** 800M west of Carrathool/Gunbar Road 5km south of Tabbita Lane corner  
**Date Desc.:** 06/03/69 **Elevation:** 120 metres  
**Map Ref.:** Sheet No. : 8029 1:100000 **Rainfall:** 410  
**Northing/Long.:** 145.516666666667 **Runoff:** Very slow  
**Easting/Lat.:** -34.1 **Drainage:** Imperfectly drained

#### Geology

**ExposureType:** Undisturbed soil core **Conf. Sub. is Parent. Mat.:** No Data  
**Geol. Ref.:** No Data **Substrate Material:** Slightly porous, Unconsolidated material (unidentified)

#### Land Form

**Rel/Slope Class:** Level plain <9m <1% **Pattern Type:** Alluvial plain  
**Morph. Type:** Flat **Relief:** No Data  
**Elem. Type:** Plain **Slope Category:** Level  
**Slope:** <1 % **Aspect:** 0 degrees

**Surface Soil Condition (dry):** Cracking, Surface crust

#### Erosion:

#### Soil Classification

**Australian Soil Classification:** Episodic-Epicalcareous Crusty Red Vertosol **Mapping Unit:** N/A  
**ASC Confidence:** All necessary analytical data are available. **Principal Profile Form:** Dr2  
**Great Soil Group:** Red-brown earth

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:** Low Strata - Sod grass, , Isolated clumps. \*Species includes - None recorded  
Tall Strata - Tree, , Isolated plants. \*Species includes - None Recorded

#### Surface Coarse Fragments:

#### Profile Morphology

0 - 0.03 m	Reddish brown (5YR4/3-Moist); ; Fine sandy medium clay; Weak grade of structure, 2-5 mm, Platy; Weak consistence; Field pH 6.4 (pH meter); Sharp change to -
0.03 - 0.1 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Weak consistence; Field pH 7.3 (pH meter);
0.1 - 0.2 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Weak consistence;
0.2 - 0.3 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Weak consistence; Field pH 8.3 (pH meter);
0.3 - 0.4 m	Reddish brown (5YR4/3-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.4 - 0.5 m	Reddish brown (5YR4/3-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.3 (pH meter);
0.5 - 0.6 m	Reddish brown (5YR4/3-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.6 - 0.7 m	Reddish brown (5YR5/4-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , ; Field pH 8.1 (pH meter);
0.7 - 0.8 m	Reddish brown (5YR5/4-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Many (20 - 50 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, , ;
0.8 - 0.9 m	Reddish brown (5YR5/4-Moist); , 10YR63; , 10YR21; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Many (20 - 50 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, , ; Field pH 8.3 (pH meter);

#### Morphological Notes

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**Site Notes**

GUNBAR

**Observation Notes**

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19A1	Carbonates - rapid titration
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
9B_9C	Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO <sub>3</sub> extractable
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance