

**Project Name:** GH  
**Project Code:** GH **Site ID:** CP29 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

#### Site Information

<b>Desc. By:</b>	J. Loveday	<b>Locality:</b>	
<b>Date Desc.:</b>	28/11/68	<b>Elevation:</b>	250 metres
<b>Map Ref.:</b>	Sheet No. : 8837 1:100000	<b>Rainfall:</b>	660
<b>Northing/Long.:</b>	149.7	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-30.183333333333	<b>Drainage:</b>	Imperfectly drained

#### Geology

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

#### Land Form

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

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epihypersodic Self-Mulching Grey Vertosol		<b>Principal Profile Form:</b>	Ug5.28
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay
All necessary analytical data are available.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Sod grass, , . \*Species includes - None recorded  
Mid Strata - Forb, , Isolated plants. \*Species includes - None recorded

#### Surface Coarse Fragments:

#### Profile Morphology

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Field pH 7.3 (pH meter); Diffuse change to -
0.1 - 0.2 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Coarse, (10 - 20) mm crack; Very firm consistence;
0.2 - 0.3 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Coarse, (10 - 20) mm crack; Very firm consistence; Field pH 7.8 (pH meter);
0.3 - 0.4 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Medium, (5 - 10) mm crack; Very firm consistence; Field pH 8.5 (pH meter);
0.4 - 0.5 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Medium, (5 - 10) mm crack; Very firm consistence; Field pH 8.3 (pH meter);
0.5 - 0.6 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Fine, (0 - 5) mm crack; Very firm consistence;
0.6 - 0.7 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Fine, (0 - 5) mm crack; Very firm consistence; Field pH 8.2 (pH meter);
0.7 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence;
0.8 - 0.9 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Very firm consistence; Field pH 8.4 (pH meter);
0.9 - 1 m	Dark greyish brown (10YR4/2-Moist); , 7.5YR42; Medium heavy clay; Very firm consistence;

#### Morphological Notes

#### Observation Notes

ALLUVIUM HELLEBAH CLAY

#### Site Notes

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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