

Project Name: GH
Project Code: GH **Site ID:** CP36 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	J. Loveday	Locality:	~6.5KM up Wirewa Road just before "Winora"
Date Desc.:	17/02/69	Elevation:	250 metres
Map Ref.:	Sheet No. : 8737 1:100000	Rainfall:	660
Northing/Long.:	149.466666666667	Runoff:	Very slow
Easting/Lat.:	-30.016666666667	Drainage:	Imperfectly drained

Geology

Exposure Type:	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hypocalcic Subnatric Black Sodosol		Principal Profile Form:	Dd1.13
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.04 m	Brown (7.5YR4/2-Moist); ; Sandy medium clay; Massive grade of structure; Weak consistence; Field pH 6.3 (pH meter); Sharp change to -
0.04 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 10YR32; Medium heavy clay; 50-100 mm, Angular blocky; Weak consistence; Field pH 6.9 (pH meter);
0.1 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Weak consistence;
0.2 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Very firm consistence; Field pH 7.9 (pH meter);
0.3 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
0.4 - 0.5 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.5 (pH meter);
0.5 - 0.6 m	Brown (10YR4/3-Moist); ; Medium heavy clay; 10-20 mm, Angular blocky; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
0.6 - 0.7 m	Brown (10YR4/3-Moist); ; Medium heavy clay; 10-20 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter);
0.7 - 0.8 m	Brown (10YR4/3-Moist); ; Medium heavy clay; 10-20 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
0.8 - 0.9 m	Dark greyish brown (10YR4/2-Moist); , 10YR31; Sandy medium clay; 10-20 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);

Morphological Notes

Observation Notes

ALLUVIUM BULLYEROI SERIES LAYERS RE NUMBERED 21/10/92

Site Notes

Project Name: GH
Project Code: GH **Site ID:** CP36 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Project Name: GH
Project Code: GH Site ID: CP36 Observation ID: 1
Agency Name: CSIRO Division of Soils (NSW)

Laboratory Test Results:

Depth m	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na Cmol (+)/kg			
0 - 0.04	6.3A	0.12A	4.7K	4.5	0.65	0.8	3.2D	17.4J	4.60
0 - 0.1	7.2A	0.09A	11.4K	7.9	0.56	1.5		24.6J	6.10
0.04 - 0.1	6.9A	0.09A	12.4K	9	0.56	2.4		28.1J	8.54
0.2 - 0.3	7.9A	0.19A	16.7K	11	0.37	3.8		31.8J	11.95
0.4 - 0.5	8.5A	0.4A							
0.6 - 0.7	8.7A	0.47A							
0.8 - 0.9	8.9A	0.53A							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	
0 - 0.04	0A	1.39D	23A						31D	25	18 24
0 - 0.1		1D	9.5A						26D	19	15 41
0.04 - 0.1	0A	0.82D	5A						20D	19	19 41
0.2 - 0.3	0.26A		4A								
0.4 - 0.5			13A								
0.6 - 0.7			20A								
0.8 - 0.9			18A								

[illegible]

Project Name: GH
Project Code: GH **Site ID:** CP36 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

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 ₃ 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