Project Name: GH

Project Code: GH Site ID: CP31 Observation ID: 1

Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: J. Loveday Locality: N.E. of junction of Wee Waa/Burren Junction Road

and Cudgioua Road (waterccourse hollow)

 Date Desc.:
 28/11/68
 Elevation:
 250 metres

 Map Ref.:
 Sheet No.: 8737
 1:100000
 Rainfall:
 660

 Northing/Long.:
 149.4166666666667
 Runoff:
 Very slow

Easting/Lat.: -30.2 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%</th>Pattern Type:Alluvial plainMorph. Type:FlatRelief:No DataElem. Type:PlainSlope Category:LevelSlope:<1 %</th>Aspect:0 degrees

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

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AEpicalcareous Self-Mulching Grey VertosolPrincipal Profile Form:Ug5.24ASC Confidence:Great Soil Group:Grey clay

All necessary analytical data are available.

<u>Site Disturbance:</u> Complete clearing. Pasture, native or improved, but never cultivated <u>Vegetation:</u> Low Strata - Sod grass, , .*Species includes - None recorded

Mid Strata - Forb, , Isolated plants. *Species includes - None recorded
Tall Strata - Tree, , Sparse. *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

0 - 0 1 m

0 - 0.1 M	consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 6.8 (pH meter); Diffuse change to -
0.1 - 0.2 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; 20-50 mm, Angular blocky; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
0.2 - 0.3 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 7.4 (pH meter);
0.3 - 0.4 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
0.4 - 0.5 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 7.5 (pH meter);
0.5 - 0.6 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.6 - 0.7 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 7.5 (pH meter);
0.7 - 0.8 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.8 - 0.9 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 7.7 (pH meter);
0.9 - 1 m	Dark grey (10YR4/1-Moist); , 10YR31; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations;

Dark grey (10YR4/1-Moist): Medium heavy clay: 10-20 mm. Angular blocky: Very firm

Morphological Notes

Observation Notes

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Site Notes WEE WAA

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable		E	Exchangeable	CEC		ECEC	E	SP
		dS/m	Ca I	Mg	K	Na Cm al (.)	Acidity				%	,
m		as/m				Cmol (+))/Kg				7	0
0 - 0.1	6.8A	0.13A	27.9K	11.8	1.4	0.55	5.8D	47.2	<u>2</u> J		1.	17
	6.8A	0.09A	25.2K	12.5	1.4	0.38		45.3	J		0.	84
0 - 0.1	6.8A	0.13A	27.9K	11.8	1.4	0.55	5.8D	47.2	<u>2</u> J		1.	17
	6.8A	0.09A	25.2K	12.5	1.4	0.38		45.3	J		0.	84
0.2 - 0.3	7.4A	0.1A	33.4K	12	0.93	0.83		48.5	5J		1.	71
0.4 - 0.5	7.5A	0.16A										
0.6 - 0.7	7.5A	0.12A										
0.8 - 0.9	7.7A	0.13A										
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysis	
		С	P	Р	N	K	Density	G۷	CS	FS	Silt C	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1	0A	1.96D	94A						3D	10	20	62
0 - 0.1	U/A	1.7D	63.3A						5D	9	18	67
0 - 0.1	0A	1.96D	94A						3D	10	-	62
0 0.1	0/1	1.7D	63.3A						5D	9	18	67
0.2 - 0.3	0A		33A						OD	Ŭ	.0	0.
0.4 - 0.5	0A		32A									
0.6 - 0.7	0A		43A									
0.8 - 0.9	0A		43A									
5	0015	COLE Gravimetric/Volumetric Water Contents							K sat		K unsat	
Depth	COLE		Grav	IIIIeti ic/ v c	numeure v	vater com	tonto		11 30	4.	rt unsat	
Deptn	COLE	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar		15 Bar	11.51		rt unsat	

0 - 0.1 0 - 0.1 0.2 - 0.3 0.4 - 0.5 0.6 - 0.7 0.8 - 0.9

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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 - meg per 100g of soil - Not recorded

15_NR_K Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded 15_NR_MG 15_NR_NA Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

19A1 Carbonates - rapid titration Air-dry moisture content 2A1 EC of 1:5 soil/water extract 3A1 4A1 pH of 1:5 soil/water suspension

5A2

Chloride - 1:5 soil/water extract, automated colour Organic carbon (%) - Uncorrected Walkley and Black method 6A1_UC 9B_9C Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO3 extractable

P10_PB_C Clay (%) - Plummet balance P10_PB_CS P10_PB_FS Coarse sand (%) - Plummet balance Fine sand (%) - Plummet balance P10_PB_Z Silt (%) - Plummet balance