

Project Name: CAN
Project Code: CAN **Site ID:** CP188 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	D. McGarry	Locality:	Auscott ~17KM north west of Narrabri/Wee Waa Road:paddock 14
Date Desc.:	10/06/80	Elevation:	205 metres
Map Ref.:	Sheet No. : 8737 1:100000	Rainfall:	640
Northing/Long.:	149.625833333333	Runoff:	Very slow
Easting/Lat.:	-30.1447222222222	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	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:	0 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous-Endohypersodic Self-Mulching Black Vertosol	Principal Profile Form:	Ug5.15

ASC Confidence:

All necessary analytical data are available.

Great Soil Group: Grey clay

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Tall Strata - Forb, 1.01-3m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.16 m	Very dark grey (10YR3/1-Moist); Dark greyish brown (10YR4/2-Dry); ; Light medium clay; Strong grade of structure, 2-5 mm, Granular; Loose consistence; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.9 (pH meter); Clear, Smooth change to -
0.16 - 0.25 m	Very dark grey (10YR3/1-Moist); Dark greyish brown (10YR4/2-Dry); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.2 (pH meter); Clear, Smooth change to -
0.25 - 0.3 m	Very dark grey (10YR3/1-Moist); Dark greyish brown (10YR4/2-Dry); ; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Very coarse, (20 - 50) mm crack; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 7.3 (pH meter); Clear, Smooth change to -
0.3 - 0.41 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 8.4 (pH meter); Diffuse, Tongued change to -
0.41 - 0.5 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.7 (pH meter);
0.5 - 0.6 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Weak consistence; Very few (0 - 2 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.8 (pH meter);
0.6 - 0.7 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.9 (pH meter);
0.7 - 0.8 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.9 (pH meter);

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0.8 - 0.9 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.9 (pH meter);
0.9 - 1 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, >500 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 8.9 (pH meter);

Morphological Notes

Observation Notes

LAND-PLANED:STRUC.>25CM PARALLELPEDAL SED'S OF BA.MAJOR+SED'Y ORIGIN:RED LAYER >40CM TYPICAL
MAT. BELOW D CLAYS/NAMO

Site Notes

NARRABRI

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[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_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
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
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