

Project Name: NC
Project Code: NC **Site ID:** C447 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	Sherwood:roadside terrace cutting north side where road crosses MacleayRiver
Date Desc.:	29/11/60	Elevation:	10 metres
Map Ref.:	Sheet No. : 9435 1:100000	Rainfall:	1200
Northing/Long.:	152.741666666667	Runoff:	Slow
Easting/Lat.:	-31.066666666667	Drainage:	Rapidly drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Bench	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	70 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Melanic Regolithic Chernic-Leptic Tenosol	Mapping Unit:	N/A
ASC Confidence:	All necessary analytical data are available.	Principal Profile Form:	N/A
		Great Soil Group:	Prairie soil

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

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Clay loam, fine sandy (Light); Massive grade of structure; Moist; Weak consistence; Field pH 6 (pH meter);
A	0.05 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); , 10YR63, 20-50% ; , 20-50% ; Fine sandy loam (Heavy); Single grain grade of structure; Moderately moist; Weak consistence; Field pH 6.1 (pH meter);
A	0.15 - 0.27 m	Very dark brown (10YR2/2-Moist); ; Fine sandy loam (Heavy); Weak grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Weak consistence; Field pH 6.2 (pH meter);
A	0.27 - 0.41 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy (Light); Single grain grade of structure; Moderately moist; Firm consistence; Field pH 6.4 (pH meter);
A	0.41 - 0.69 m	Very dark grey (10YR3/1-Moist); ; Clay loam, fine sandy; Single grain grade of structure; Dry; Firm consistence; Field pH 6.8 (pH meter);
A	0.69 - 0.91 m	Very dark brown (10YR2/2-Moist); , 10YR32, 20-50% ; , 20-50% ; Clay loam, fine sandy; Single grain grade of structure; Dry; Firm consistence; Field pH 7 (pH meter);
A	0.91 - 1.24 m	Very dark brown (10YR2/2-Moist); , 10YR32, 20-50% ; , 20-50% ; Clay loam, fine sandy (Light); Massive grade of structure; Dry; Firm consistence; Field pH 7.1 (pH meter);
AC	1.24 - 1.73 m	Very dark brown (10YR2/2-Moist); ; Sandy clay loam; Single grain grade of structure; Dry; Firm consistence; Field pH 7.2 (pH meter);
C	1.73 - 1.98 m	Very dark greyish brown (10YR3/2-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Field pH 6.9 (pH meter);

Morphological Notes

Observation Notes

ALLUVIUM:FIRST TERRACE ABOVE PRESENT DEPOSITION:WORM ACTIVITY TO 170CM:

Site Notes

KEMPSEY

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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
2_LOI	Loss on Ignition (%)
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
6_DC	Organic carbon (%) - Dry combustion
7_NR	Total nitrogen (%) - Not recorded
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