

Project Name: NC
Project Code: NC **Site ID:** C448 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	Belgrave Falls north bank Macleay River
Date Desc.:	29/11/60	Elevation:	No Data
Map Ref.:	Sheet No. : 9435 1:100000	Rainfall:	1200
Northing/Long.:	152.75	Runoff:	Slow
Easting/Lat.:	-31.0958333333333	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:	0 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Grey Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Alluvial soil
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

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Greyish brown (2.5Y5/3-Moist); ; Fine sandy loam; Weak grade of structure, 10-20 mm, Platy; Weak consistence; Field pH 7.4 (pH meter); Many
0.1 - 0.25 m	Greyish brown (2.5Y5/3-Moist); , 10YR56, 0-2% ; , 0-2% ; Fine sandy loam; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Many
0.25 - 0.51 m	Greyish brown (2.5Y5/3-Moist); , 10YR56, 0-2% ; , 0-2% ; Fine sandy loam; Single grain grade of structure; Firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Common
0.51 - 0.74 m	Greyish brown (2.5Y5/3-Moist); , 10YR56, 0-2% ; , 0-2% ; Fine sandy loam; Single grain grade of structure; Firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 7 (pH meter); Common
0.74 - 0.86 m	Grey (5Y6/1-Moist); , 10R56, 2-10% ; , 10YR56, 2-10% ; Fine sandy loam; Single grain grade of structure; Firm consistence; Common
0.86 - 0.93 m	Grey (5Y5/1-Moist); , 5YR56, 2-10% ; , 2-10% ; Clay loam, fine sandy; Massive grade of structure; Very firm consistence; Common
0.93 - 0.99 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Light); Massive grade of structure; Firm consistence; Field pH 6.8 (pH meter); Common
0.99 - 1.07 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam (Light); Massive grade of structure; Very firm consistence; Field pH 6.7 (pH meter); Common
1.12 - 1.24 m	Very dark brown (10YR2/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Firm consistence; Field pH 6.5 (pH meter);
1.24 - 1.47 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Very firm consistence;
1.47 - 1.75 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Firm consistence;
1.75 - 2.11 m	Dark grey (10YR4/1-Moist); ; Clay loam (Heavy); Massive grade of structure; Weak consistence;

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2.11 - 2.49 m	Brown (7.5YR4/3-Moist); , 10YR42, 0-2% ; , 0-2% ; Fine sandy loam; Massive grade of structure; Firm consistence; Few cutans, <10% of ped faces or walls coated, distinct;
2.49 - 2.87 m	Brown (7.5YR4/3-Moist); , 2.5Y53, 20-50% ; , 20-50% ; Loamy sand; Single grain grade of structure; Weak consistence;
2.87 - 3.15 m	Brown (7.5YR4/3-Moist); , 2.5Y53, 10-20% ; , 10-20% ; Sand; Single grain grade of structure; Very weak consistence;

Morphological Notes

Observation Notes

UNDIFFERENTIATED DEPOSIT:K0 0-93CM:K1 93-114CM:K2 114-315CM:DEPOSITIONAL LAMINATIONS LAYERS 1 & 6:WORM ACTIVITY TO 125CM

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