

**Project Name:** SC  
**Project Code:** SC **Site ID:** C325 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	R. Brewer	<b>Locality:</b>	Bank Shoalhaven River just east of Bomaderry
<b>Date Desc.:</b>	21/01/59	<b>Elevation:</b>	7 metres
<b>Map Ref.:</b>	Sheet No. : 9028 1:100000	<b>Rainfall:</b>	940
<b>Northing/Long.:</b>	150.666666666667	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-34.85	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Porous, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Terrace (alluvial)
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	160 degrees

**Surface Soil Condition (dry):** Firm

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Melanic Eutrophic Yellow Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Prairie soil

Analytical data are incomplete but reasonable confidence.

**Site Disturbance:** Cultivation. Irrigated, past or present

**Vegetation:** Low Strata - Sod grass, 0.26-0.5m, Closed or dense. \*Species includes - Pennisetum clandestinum

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A	0 - 0.11 m	Dark brown (7.5YR3/2-Moist); Dark greyish brown (10YR4/2-Dry); , 5YR44, 10-20% ; , 10-20% ; Fine sandy loam; Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Firm consistence; Field pH 6 (pH meter);
AB	0.11 - 0.27 m	Very dark greyish brown (10YR3/2-Moist); Grey (10YR5/1-Dry); , 10YR72, 2-10% ; , 10YR56, 2-10% ; Silty clay loam; Massive grade of structure; Dry; Very firm consistence; Field pH 6.1 (pH meter);
AB	0.27 - 0.47 m	Dark grey (10YR4/1-Moist); Grey (10YR6/1-Dry); , 10YR43, 20-50% ; , 20-50% ; Clay loam (Heavy); Massive grade of structure; Dry; Firm consistence; Field pH 6.4 (pH meter);
B	0.47 - 0.74 m	Light yellowish brown (10YR6/4-Moist); Brown (7.5YR5/2-Dry); , 10YR42, 2-10% ; , 2-10% ; Sandy light clay; Massive grade of structure; Dry; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6.4 (pH meter);
B	0.84 - 1.12 m	Yellowish brown (10YR5/4-Moist); Grey (10YR5/1-Dry); , 10YR74; , 7.5YR76; Sandy medium clay; Massive grade of structure; Dry; Very firm consistence; 10-20%, dispersed, Charcoal, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 5.8 (pH meter);

**Morphological Notes**

**Observation Notes**

ALLUVIUM:NUMBAA - BARRENGARRY SOIL ASSOCIATION

**Site Notes**

BOMADERRY

**Observation ID: 1**

[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_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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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
9A_HCL	Total element - P(%) - By boiling HCl
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