

**Project Name:** NC  
**Project Code:** NC      **Site ID:** C404      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	P.H. Walker	<b>Locality:</b>	Ourimbah/Mangrove Mountain Road 5KM from Ourimbah
<b>Date Desc.:</b>	12/02/59	<b>Elevation:</b>	215 metres
<b>Map Ref.:</b>	Sheet No. : 9131    1:100000	<b>Rainfall:</b>	1250
<b>Northing/Long.:</b>	151.366666666667	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-33.35	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>Exposure Type:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Slightly porous, Sandstone

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plateau
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Fan	<b>Slope Category:</b>	Level
<b>Slope:</b>	<1 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Brown Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Yellow earth
No analytical data are available but confidence is fair.			

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:** Low Strata - Sod grass, , . \*Species includes - None recorded  
Tall Strata - Tree, , Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** 10-20%, , , Charcoal

**Profile Morphology**

A1	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); Pale brown (10YR6/3-Dry); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence;
AB	0.08 - 0.18 m	Strong brown (7.5YR5/8-Moist); Brownish yellow (10YR6/6-Dry); , 10YR44, 20-50% ; , 20-50% ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Sandstone, coarse fragments;
B	0.18 - 0.38 m	Strong brown (7.5YR5/8-Moist); Brownish yellow (10YR6/8-Dry); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Sandstone, coarse fragments;
B	0.38 - 0.61 m	Strong brown (7.5YR5/8-Moist); Brownish yellow (10YR6/8-Dry); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Sandstone, coarse fragments;
B	0.61 - 0.89 m	Strong brown (7.5YR5/8-Moist); Brownish yellow (10YR6/8-Dry); ; Sandy clay loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, rounded, dispersed, Sandstone, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct;
BC	0.89 - 1.14 m	Reddish yellow (7.5YR6/8-Moist); Yellow (10YR7/6-Dry); , 10YR68, 20-50% ; , 20-50% ; Sandy clay loam (Heavy); Massive grade of structure; Moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, rounded, dispersed, Sandstone, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct;
BC	1.14 - 1.32 m	Brownish yellow (10YR6/8-Moist); Yellow (10YR7/8-Dry); ; Sandy light clay (Light); Massive grade of structure; Wet; Weak consistence; 10-20%, cobbly, 60-200mm, rounded, dispersed, Sandstone, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct;
R	1.32 - 1.5 m	Rock

**Morphological Notes**

R Parent material:sandstone

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TRIASSIC HAWKESBURY SANDSTONE

**Site Notes**

GOSFORD

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile