Site Information Desc. By: P.H. Walker Locality: Bank of Hawkesbury near road Richmond to nth Richmond Date Desc.: 07/08/79 Elevation: 10 metres Map Ref.: Sheet No:: 9030 1:100000 Rainfail: 800 NorthingLong: 150.721666666667 Runoff: No runoff Easting/Lat: -33.5844444 Drainage: Rapidal Existing Vertical exposure, Porous, Unconsolidated material (unidentified) Edeology Exposure/Type: Existing vertical exposure, Porous, Unconsolidated material (unidentified) Unconsolidated material (unidentified) Easting/Lat: No Data Conf. Sub. is Parent. Mat: No Data Unconsolidated material (unidentified) Easting/Lat: No Data Conf. Sub. is Parent. Mat: No Data Very gently sloped Slope: Conf. No Data Very gently sloped Very gently sloped Slope: 0% Aspect: Very gently sloped Very gently sloped Substrate Soil Condition (dry): Loose Erestion: Very gently sloped Very gently sloped Slope: Ose State Rudosol Principal Profile Form: Very gently sloped Slope: <th>Project Name: Project Code: Agency Name:</th> <th>CAN CAN CSIRO Div</th> <th>Site ID: /ision of Soils (</th> <th></th> <th>Dservatio</th> <th>on ID:</th> <th>1</th>	Project Name: Project Code: Agency Name:	CAN CAN CSIRO Div	Site ID: /ision of Soils (Dservatio	on ID:	1
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Map Ref. Sheet No : 9030 1:00000 Rainfall: 800 Northing/Long: 150.721686666667 Runoff: No runoff Easting/Lat: -33.5844444 Drainage: Rainfall: No runoff Geol.Ref.: -33.5844444 Drainage: Rainfall: No runoff Geol.Ref.: No Data Conf. Sub. is Parent. Mat: No Data Existing vertical exposure, Porous, Unconsolidated material (unidentified) Land Form Ref.: No Data Substrate Material: Existing vertical exposure, Porous, Unconsolidated material (unidentified) Morph. Type: Ridge Relief: No Data Data Slope: 0% Aspect: 45 degrees Slupe: 0% Aspect: 45 degrees Subrate Soil Condition (drv): Loose Erosion: Soil Classification Australian Soil Classification: Mapping Unit: N/A No Available Class Basic Stratic Rudosol Principal Profile Form: U/C1.24 ASC confidence: Great Soil Group: Alluvial soil All All necessary analytical data are available. Step Disturbance; Complete clearing, Pasture, native or improv	Desc. By:			Locanty:			ury near road Richmond to hth
ExposureType: Existing vertical exposure Geol. Ref.: No Data Conf. Sub. is Parent. Mat.: No Data Land Form Rel/Slope Class: Gently undulating plains <9m 1-3% Substrate Material: No Data Existing vertical exposure, Porous, Unconsolidated material (unidentified) Morph. Type: Reldy undulating plains <9m 1-3% Pattern Type: Alluvial plain 1-3% Morph. Type: Levee Slope Category: Very gently sloped Aspect: Soli Classification Australian Soil Condition (dry): Loose Loose Erosion: Soil Classification: Mapping Unit: N/A No Available Class Basic Stratic Rudosol Principal Profile Form: Uc1.24 AC 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 Consistence; Clear change to - A 0 - 0.15 m Dark brown (7.5YR3/2-Moist); ; Loamy sand; Massive grade of structure; Loose consistence; Clear change to - A 0.15 - 0.4 m Dark brown (5YR3/2-Moist); ; Loamy sand (Heavy); Massive grade of structure; Weak consistence; Field pH 6.8 (pH meter); A 0.58	Map Ref.: Northing/Long.:	Sheet No. : 90 150.72166666		Rainfall: Runoff:	800 No runof	f	
Rel/Slope Class: Gently undulating plains <9m Pattern Type: Alluvial plain 1-3% 1-3% No Data Morph. Type: Levee Slope Category: Very gently sloped Slope: 0 % Aspect: 45 degrees Surface Soil Condition (dry): Loose Erosion: Soil Classification: Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A Available Class Basic Stratic Rudosol Principal Profile Form: Uc1.24 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 A 0 - 0.15 m Dark brown (7.5YR3/2-Moist); ; Loamy sand; Massive grade of structure; Loose consistence; Clear change to - A 0.15 - 0.4 m Dark brown (5YR3/2-Moist); ; Loamy sand (Heavy); Massive grade of structure; Weak consistence; Field pH 6.8 (pH meter); A 0.58 - 0.9 m Dark reddish brown (5YR3/2-Moist); ; Loamy sand (Heavy); Massive grade of structure; Weak consistence; Field pH 6.4 (pH meter);	ExposureType:	-	al exposure			Existing	g vertical exposure, Porous,
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consistence;	A 0.9 - 1.2		,		and (Heavy)); Massiv	e grade of structure; Weak
Morphological Notes	A 1.2 - 1.5		```	R3/2-Moist); ; Loamy sa	and (Heavy)); Massiv	e grade of structure; Weak
	Morphological	<u>Notes</u>					

Observation Notes 0-40CM LATE FLOOD DEPOSIT:MODERN - HOLOCENE ALLUVIUM (LOWLANDS UNIT)

Site Notes

RICHMOND

Project Name:	CAN				
Project Code:	CAN	Site ID:	CP158	Observation ID:	1
Agency Name:	CSIRO Di	vision of Soils (N	ISW)		

Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	E> Na	changeable Acidity	CEC		ECEC	E	SP
m		dS/m				Cmol (+)/	kg				a	6
0.4 - 0.58	6.8A	0.04A	8.2K	1.1	0.14	0.07	3.2B	12.7J			0	.55
0.58 - 0.9	6.6A	0.04A	7.4K	2	0.1	0.1	3.6B	13.2J			0	.76
0.9 - 1.2	6.4A	0.02A	6.5K	1.3	0.11	0.09	5.2B	13.2J			0	.68
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk		ticle		alysis	
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0.4 - 0.58		1.18D							7D	66	13	14
0.58 - 0.9		1.54D							9D	62	15	13
0.9 - 1.2		1.24D							6D	65	15	14
Depth	COLE					ater Conte			Ks	at K	unsat	
m		Sat.	0.05 Bar	0.1 Bar g/s	0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15	Bar	mm	/h	mm/h	
0.4 - 0.58												

0.58 - 0.9 0.9 - 1.2

Project Name:	CAN		
Project Code:	CAN	Site ID:	CP158
Agency Name:	CSIRO Div	ision of Soils (N	ISW)

Observation ID: 1

Laboratory Analyses Completed for this profile

15_NR_KExch. basic cations (K++) - meq per 100g of soil - Not recorded15_NR_MGExch. basic cations (Mg++) - meq per 100g of soil - Not recorded15_NR_NAExch. basic cations (Ma++) - meq per 100g of soil - Not recorded15_C_AL1Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B2A1Air-dry moisture content3A1EC of 1:5 soil/water extract4A1pH of 1:5 soil/water extract, automated colour6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black methodP10_PB_CClay (%) - Plummet balanceP10_PB_FSFine sand (%) - Plummet balanceP10_PB_7Sitt (%) - Plummet balance
P10_PB_Z Silt (%) - Plummet balance