Project Name: Project Code: Agency Name	Macquarie Site ID:	530 O	outh Wales bservation ID:	1
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	N.J. McKenzie 07/12/85 Sheet No. : 8434 1:10000	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data Slow Moderately well o	frained
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Materia		
	: No Data Flat No Data % ondition (dry): Hardsetting, Sur	Pattern Type: Relief: Slope Category: Aspect: rface crust	No Data No Data No Data No Data	
Erosion: Soil Classifica	tion			
Australian Soil N/A	Classification:	Маррі	ng Unit:	TRANGIE COWAL ALLUVIUM
ASC Confidence Confidence leve Site Disturbar		Great	pal Profile Form: Soil Group: ^{ng}	Dy3.12 N/A
Vegetation:	Tall Strata - Tree, 12.01-20m,	Sparse *Species incl	udes - None Recor	ded
Surface Coars				
Profile Morphe				
A1 0 - 0.2 i	fabric; Many (>5 per 100mi (1-2mm) macropores, Com consistence; Common (10	m2) Very fine (0.075- mon (1-5 per 0.01m2 - 20 %), Ferruginous, fine (0-1mm) roots; C	1mm) macropores, 2) Medium (2-5mm) , Coarse (6 - 20 mn Common, fine (1-2m	Many (>5 per 100mm2) Fine macropores, Moist; Weak n), Nodules; Field pH 6.5 nm) roots; Common, medium
B2 0.2 - 0.4	grade of structure, 20-50 m Very fine (0.075-1mm) mac Common (1-5 per 0.01m2) Many cutans, >50% of ped coated; Many cutans, >50%	nm, Angular blocky; S cropores, Common (1 Medium (2-5mm) ma I faces or walls coated % of ped faces or wall les; Field pH 8 (Raupa	mooth-ped fabric; (-5 per 100mm2) Fi acropores, Moderati d; Many cutans, >56 Is coated; Few (2 - ach); Common, ver	ely moist; Firm consistence; 0% of ped faces or walls
2B 0.69 - 1	of structure, 10-20 mm, Po (0.075-1mm) macropores,	hlyhedral; Smooth-pec Common (1-5 per 100 macropores, Moderat d; Many cutans, >50% s coated; Field pH 8 (f	I fabric; Common (² 0mm2) Fine (1-2mr tely moist; Firm cor % of ped faces or w	n) macropores, Few (<1 per isistence; Many cutans, >50% alls coated; Many cutans,
<u>Morphologica</u>				
A1	A more uniform version of 5 an A1 crust to 5cm (withou			uld be pulled out with

Observation Notes Buckshot Soil Profile Class

Site Notes

Project Name:	Soils of the Low	ver Macqua	rie Valley, New	South Wales	
Project Code:	Macquarie	Site ID:		Observation ID:	1
Agency Name:	CSIRO Division	of Soils (A	CT)		

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	xchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ga	Wig	ĸ	Cmol (%
0.1 - 0.15	7.1A	0.056A	8.2E	1.7	2	0			11.9D	
0.3 - 0.35	8.2A	0.128A								
0.7 - 0.75	8.4A	0.114A	12E	3.4	1.5	0.1			17D	
1.3 - 1.35	8.4A	0.087A								
Denth	CaCO3	Organic	Δvail	Total	Total	Tota	al Bulk	D. C.L.	Size Anal	

Deptil	04005	Organic	Avan.	an. rotai rotai	Total	Total	Duik						
		С	Р	Р	Ν	к	Density	GV	CS	FS	Silt	Clay	
m	%	%	mg/kg	%	%	%	Mg/m3			%			
0.1 - 0.15							1.45		20.6A	29.1	13.6	36.7	
0.3 - 0.35							1.39						
0.7 - 0.75							1.49		13.2A	17.8	9.2	59.8	
1.3 - 1.35							1.56						

Depth	COLE		Gravimetric/Volumetric Water Contents							K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m3	1 Bar B	5 Bar	15 Bar	mm/h	mm/h
0.1 - 0.15 0.3 - 0.35 0.7 - 0.75 1.3 - 1.35	0.027A 0.048A 0.057A 0.042A			0.19G 0.26G 0.22G 0.23G				0.13D 0.19D 0.18D 0.18D		

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID: 530Observation ID: 1Agency Name:CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15J_BASES	Sum of Bases
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P3A1	Bulk density - g/cm3
P3B1GV_15	15 BAR Moisture g/g - Gravimetric of ground sample (<2mm) using pressure plate
P3B4GV_01	0.1 BAR Moisture g/g - Gravimetric of soil clods (Soil Survey Staff,1967)
P5_COLE	Coefficient of Linear Extensibility (Grossman et al. 1968)