Project Name:	Soils of the Lov	wer Macqua	arie Valle	ey, New South Wales	
	Macquarie CSIRO Divisior	Site ID: of Soils (A	117 ACT)	Observation ID:	1

O ¹ 4		
Sito.	Into	rmation
JIC	IIIIO	παιισπ

Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.: <u>Geology</u> ExposureType: Geol. Ref.:	N.J. McKenzie 29/03/85 Sheet No. : 8434 1:10000 6462120 AMG zone: 55 593340 Datum: AGD66 Soil pit No Data	Locality: Elevation: Rainfall: Runoff: Drainage: Conf. Sub. is Pare Substrate Material		well drained o Data No Data	
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:		Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data No Data		
	e, Minor or present (wind);				
Australian Soil C		Маррі	ng Unit:	TRANGIE COWAL ALLUVIUM	
ASC Confidence Confidence level Site Disturbance Vegetation: Surface Coarse	not specified .e <u>:</u> Complete clearing. Pasture, na Tall Strata - Hummock grass, 0	Great		N/A e stage	
Profile Morphol					
A1 0 - 0.36 r		/ fabric; Common (1-5	per 100mm2	ate grade of structure, 20-50 mm,) Fine (1-2mm) macropores, Very roots;	
B2 0.36 - 0.7	0.7 m Yellowish red (5YR4/6-Moist); ; Sandy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Weak consistence; Few cutans, <10% of ped faces or walls coated; Field pH 8 (Raupach); Many,				
BC 0.7 - 1.5	BC 0.7 - 1.5 m Strong brown (7.5YR5/6-Moist); ; Fine sandy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores Very weak consistence; Field pH 8.5 (Raupach); Many, fine (1-2mm) roots;				
<u>Morphological</u> BC	Notes A lot of biological activity to low ?? Soil	depth; worm castes, a	ants, roots etc	to >1.4m in a porous	
Observation No	otes Non Calaia Dhaga				

Wilga Soil Profile Class, Non-Calcic Phase Site Notes

Project Name:	Soils of the Lo	ower Macqua	arie Valle	ey, New South Wales		
Project Code:	Macquarie	Site ID:	117	Observation ID:	1	
Agency Name:	CSIRO Divisio	on of Soils (A	(CT)			

Laboratory Test Results:

Depth	pН	1:5 EC	Ex Ca	changeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ja	ing	ĸ	Cmol (+				%
0.1 - 0.15 0.3 - 0.35	6.9A 7.6A	0.051A 0.028A	1.6E	0.4	0.7	0			2.7D	
0.3 - 0.33 0.7 - 0.75 1.3 - 1.35	8.3A 8.7A	0.042A 0.069A	5E	2.7	0.2	0.2			8.1D	
Depth	CaCO3	Organic	Avail.	Total	Total	Tota	l Bulk	Particle	Size Analy	sis

Deptil	Cacos	Organic	Avan.	Total	TOLAI	Total	Duik	ГС	article	JIZE A	naiyəi	3	
		С	Р	Р	Ν	K	Density	GV	CS	FS	Silt	Clay	
m	%	%	mg/kg	%	%	%	Mg/m3			%			
0.1 - 0.15							1.42		2.8A	56.6	22.5	5 18.1	
0.3 - 0.35							1.53						
0.7 - 0.75							1.54		1A	54.1	19.7	7 25.2	2
1.3 - 1.35							1.44						

Depth	COLE	Gravimetric/Volumetric Water Content	s	K sat	K unsat
m		Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 g/g - m3/m3	5 Bar 15 Bar	mm/h	mm/h
0.1 - 0.15 0.3 - 0.35 0.7 - 0.75 1.3 - 1.35	0.056A 0.045A 0.035A 0.043A	0.18G 0.19G 0.19G 0.23G	0.07D 0.11D 0.09D 0.06D		

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID:117Observation 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)