Project Name:	Soils of the Lo	ower Macqua	arie Valle	ey, New South Wales	
Project Code:	Macquarie	Site ID:	426	Observation ID: 1	1
Agency Name:	CSIRO Divisio	on of Soils (A	ACT)		

• •			•	•				
Desc. By Date Des Map Ref	sc.: .: g/Long.:	N.J. M 21/10 Sheet 64551	//cKenzie /85 : No. : 8533 1:10000 167 AMG zone: 55 50 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:		No Data No Data Slow Moderate	ely well d	rained
<u>Geolog</u> Exposur Geol. Re	eType:	Soil p No Da	•				No Dat No Dat	
Land Fo Rel/Slop Morph. 1 Elem. Ty Slope:	e Class: Type:	No Da Flat No Da %		Pattern Ty Relief: Slope Cate Aspect:	•	No Data No Data r: No Data No Data		
Surface	Soil Co	onditic	on (dry): Hardsetting					
Erosion			<u></u>					
	<u></u> assificati	ion						
	an Soil Cl		cation:		Маррі	ng Unit:		TRANGIE COWAL ALLUVIUM
	onfidence				•	oal Profile Soil Grou		Db1.12 N/A
	nce level r	•						
		:e: Ex	tensive clearing, for example	poisoning, ri	ingbarkir	ng		
Vegetat	lion:	Та	III Strata - Tree, 12.01-20m, S	sparse *Spe	cies inclu	udes - Nor	e Recor	ded
Surface	Coarse							
	Morphol							
A1	0 - 0.11 m		Dark brown (10YR3/3-Moist); ; Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Many (>5 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 0.01m2) Medium (2-5mm) macropores, Moist; Weak consistence; Field pH 6.5 (Raupach); Many, very fine (0-1mm) roots; Many, fine (1-2mm) roots; Clear, Smooth change to -					
A2	0.11 - 0.3	31 m	Brown (7.5YR5/4-Moist); Very pale brown (10YR8/3-Dry); ; Clay Ioam; Moderate grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Many (>5 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 0.01m2) Medium (2-5mm) macropores, Moist; Weak consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Common, medium (2-5mm) roots; Abrupt, Smooth change to -					
B21	0.31 - 0.68 m Strong brown (7.5YR4/6-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Common, medium (2-5mm) roots; Gradual, Smooth change to -							
B22	0.68 - 1.2	2 m	Strong brown (7.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated; Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual, Smooth change to -					
B3	1.2 - 1.4 r	m	Strong brown (7.5YR4/6-Moist); ; Sandy clay; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very firm consistence; Field pH 8 (Raupach); Few, very fine (0-1mm) roots;					
<u>Morpho</u>	logical l	<u>Note</u> s						
A1			Quite different to 427; more	sandy (427 v	vas silty)	1		

Observation Notes

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID:426Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

Wilga Soil Profile Class, Non-Calcic Phase Site Notes

Project Name:	Soils of the Low	er Macqua/	rie Valley, New	South Wales	
Project Code:	Macquarie	••	426	Observation ID:	1
Agency Name:	CSIRO Division	of Solis (A	CI)		

Laboratory Test Results:

%
sis
Clay
8.8 14.7
6.1 33.5
sat
/h
t 33

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID: 426Observation 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)