Project Na Project Co Agency Na	ode: Ma ame: CS	ils of the Lower Macquar acquarie Site ID: SIRO Division of Soils (AC	203 O	outh Wales bservation ID:	1		
Site Inform Desc. By: Date Desc.: Map Ref.: Northing/Lat Easting/Lat	N.J. 1 13/06 1:100 ong.: 6458		Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data Slow Poorly drained			
<u>Geology</u> ExposureTy Geol. Ref.:	ype: Soil p No D		Conf. Sub. is Pare Substrate Material				
Land Form Rel/Slope C Morph. Typ Elem. Type Slope:	Class: No D e: Lowe	er-slope	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data			
Surface Se	oil Conditi	on (dry): Cracking					
Erosion:							
Soil Class							
Australian S N/A	Soil Classifi	cation:	Маррі	ng Unit:	GIN GIN AEOLIAN DEPOSITS		
ASC Confi	dence: level not spe	ocified	•	oal Profile Form Soil Group:	: Ug5.38 N/A		
	•	omplete clearing. Pasture, nat	ive or improved, but	never cultivated			
Vegetation		simplete elearnig. Faetare, hat					
Surface C	oarse Frag	ments:					
Profile Mo	rphology						
A1 0-	0.35 m	Dark brown (7.5YR3/3-Mois Subangular blocky; Rough- fine (0.075-1mm) macroport 1mm) roots; Clear, Smooth	ped fabric; Fine, (0 - es, Firm consistence	5) mm crack; Cor	mmon (1-5 per 100mm2) Very		
B21 0.3	35 - 0.85 m		Fine, (0 - 5) mm crac sistence; Field pH 8.	k; Few (<1 per 10	ture, 20-50 mm, Angular 00mm2) Very fine (0.075-1mm) nmon, very fine (0-1mm) roots;		
B22 0.8	35 - 1.1 m	macropores, Very firm con	Fine, (0 - 5) mm crac sistence; Many (20 - alcareous, Medium (2	k; Few (<1 per 10 50 %), Calcareou 2 -6 mm), Nodule	ucture, 20-50mm, Angular 00mm2) Very fine (0.075-1mm) us, Very coarse (20 - 60mm), s; Field pH 8 (Raupach); Few,		
BC 1.1	- 1.4 m	 1.4 m Brown (7.5YR4/3-Moist); , 5YR44, 10-20% , 5-15mm, Distinct; Heavy clay; Strong grade of structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Fine (1-2mm) macropores, Firm consistence; Very few (0 - 2 %), Calcareous, Fine (- 2 mm), Nodules; Field pH 8 (Raupach); Few, very fine (0-1mm) roots; 					
Morpholo	gical Notes	<u> </u>					
Observati							

Observation Notes Buddah Soil Profile Class

Site Notes

Project Name:	Soils of the Low	er Macqua	rie Valley, New	South Wales	
Project Code: Agency Name:	Macquarie CSIRO Division	••	203 CT)	Observation ID:	1
Agency Name.	CORO DIVISION	01 30115 (A	C 1)		

Laboratory Test Results:

	ESP
	%
17.5D	
17.5D	
	-

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	P	article	Size A	nalysi	s
		С	Р	Р	Ν	к	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.1 - 0.15							1.51		16.8A	28.6	10.7	7 43.9
0.3 - 0.35							1.45					
0.7 - 0.75							1.46		14.4A	27.7	10.4	47.5
1.3 - 1.35							1.50					

Depth	COLE		Gravimetric/Volumetric Water Contents						K sat	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	0.082A 0.112A 0.091A 0.091A			0.24G 0.27G 0.26G 0.24G				0.15D 0.18D 0.18D 0.2D		

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID: 203Observation 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)