Project Name:	Soils of the Lo	ower Macqu	arie Vall	ey, New South Wales	
Project Code: Agency Name:	Macquarie CSIRO Divisio	Site ID: on of Soils (A	258 ACT)	Observation ID:	1

Site Information

Site Informat Desc. By: Date Desc.: Map Ref.: Northing/Long Easting/Lat.:	N.J. McKenzie 15/06/85 Sheet No. : 8534 1:10000	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data Moderately rapid Well drained	
<u>Geology</u> ExposureType Geol. Ref.:	: Soil pit No Data	Conf. Sub. is Pare Substrate Materia		
Land Form Rel/Slope Clas Morph. Type: Elem. Type: Slope:	Upper-slope No Data %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data	
Erosion: Soil Classific				
Australian Soi N/A	Classification:	Маррі	ing Unit:	GIN GIN AEOLIAN DEPOSITS
ASC Confiden	i ce: el not specified		pal Profile Form: Soil Group:	Gn3.12 N/A
<u>Site Disturba</u> <u>Vegetation:</u> Surface Coar	nce: Cultivation. Rainfed			
Profile Morpl A1 0 - 0.1	9 m Yellowish red (5YR3/6- Subangular blocky; Rou per 100mm2) macrop consistence; Field pH 6	ores, Few (<1 per 0.01m 6 (Raupach), Many, very	(1-5 per 100mm2) 2) macropores, M fine (0-1mm) roots;	macropores, Common (1-5
B1 0.19 -	Rough-ped fabric; Man Moderately moist; Firm Field pH 5.5 (Raupach)	y (>5 per 100mm2) mac consistence; Common c); Common, very fine (0-1	cropores, Few (<1 µ utans, 10-50% of p mm) roots; Comm	ure, 20-50 mm, Polyhedral; ber 0.01m2) macropores, ed faces or walls coated; on, fine (1-2mm) roots; Diffuse, Smooth change to -
B21 0.45 -	Smooth-ped fabric; Mai macropores, Dry; Firm	ny (>5 per 100mm2) ma	acropores, Common s, >50% of ped fac	es or walls coated; Field pH
B22 0.9 - 1	structure, 20-50 mm, A macropores, Few (<1 p	7.5YR66, 20-50% , 5-15m ngular blocky; Smooth-pe ver 0.01m2) macropores ed; Field pH 7.5 (Raupac	ed fabric; Common , Dry; Firm consiste	(1-5 per 100mm2) ence; Many cutans, >50% of
Morphologic	al Notes			
Observation				

Gin Gin Soil Profile Class

Site Notes

Project Name:	Soils of the Low	ver Macqua	arie Valley, New	South Wales	
Project Code: Agency Name:	Macquarie CSIRO Division	Site ID: of Soils (A	258 (CT)	Observation ID:	1
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Laboratory Test Results:

Depth	рН	1:5 EC	E: Ca	xchangeable Mg	Cations K	Exchan Na Acio	•	CEC	ECEC	ESP
m		dS/m	Ca	Wg	N	Cmol (+)/kg	uity			%
0.1 - 0.15 0.3 - 0.35	5.4A 5.1A	0.036A 0.043A	0.4E	0.1	0.3	0			0.8D	
0.7 - 0.75 1.3 - 1.35	6.9A 7.8A	0.012A 0.044A	4.7E	2.9	0.1	0.2			7.9D	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size A	nalysi	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0.1 - 0.15 0.3 - 0.35							1.45 1.47		20.7A	36.7	10.8	31.9
0.7 - 0.75 1.3 - 1.35							1.67 1.75		15A	25	11.5	48.6

Depth	COLE	Gra	Gravimetric/Volumetric Water Contents				
m		Sat. 0.05 Bar	0.1 Bar 0.5 Bar g/g - m3/m3	1 Bar 5 Bar	15 Bar	mm/h	mm/h
0.1 - 0.15 0.3 - 0.35 0.7 - 0.75 1.3 - 1.35	0.034A 0.008A 0.019A 0.019A		0.14G 0.16G 0.16G 0.21G		0.09D 0.09D 0.13D 0.16D		

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID:258Observation 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)