Project Name: Project Code: Agency Name:	Hunter Valley Soil Survey HV Site ID: CSIRO Division of Soils (AC		bservation ID: 1			
Date Desc.: Map Ref.: Northing/Long.:	C.J. Chartres 05/04/93 Sheet No. : 9033 1:100000 150.785 -32.33	Locality: Elevation: Rainfall: Runoff: Drainage:	Roxburgh. No Data No Data No Data No Data			
<u>Geology</u> ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Materia				
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data Lower-slope Hillslope 5 %	Pattern Type: Relief: Slope Category: Aspect:	Low hills 20 metres Very gently sloped No Data			
Surface Soil Co	ndition (dry):					
Erosion: Soil Classification	on					
Australian Soil Classification: Mapping Unit: N/A Red Chromosol Principal Profile Form: N/A ASC Confidence: Great Soil Group: Red-brown earth Confidence level not specified Site Disturbance: Vegetation: Surface Coarse Fragments: Surface Coarse Fragments: Vegetation:						
Profile Morphology A1 0 - 0.1 m Reddish brown (5YR4/4-Dry); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, coarse fragments; Field pH 6 (Raupach); Few, medium (2-5mm) roots;						
A2 0.1 - 0.2 n		Reddish brown (5YR4/4-Dry); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, coarse fragments; Field pH 6 (Raupach); Few, medium (2-5mm) roots;				
B2 0.2 - 0.6 n		Dark red (2.5YR3/6-Moist); ; Light clay; 2-10%, medium gravelly, 6-20mm, subrounded, Basalt, coarse fragments; Field pH 7 (Raupach); Few, medium (2-5mm) roots;				
BC 0.6 - 0.8 n		Dark reddish brown (2.5YR3/4-Moist); , 7.5YR58, 2-10% , 0-5mm, Distinct; Medium heavy clay; 10-20%, coarse gravelly, 20-60mm, subrounded, Basalt, coarse fragments; Few, medium (2-5mm) roots;				
Morphological Notes						
A2 B2 BC Observation No.	pH at 20 cm. pH at 60 cm. Subangular rock present.					
Observation Notes Soil type: _possible Fuchrozem?						

Soil type: possible Euchrozem?

Site Notes

5 cores from in vines, all within 30 cm from stem.

Project Name: Project Code: Agency Name: Hunter Valley Soil Survey HV Site ID: CP CSIRO Division of Soils (ACT) CP355

Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Mg	К	Na Cmol (+	Acidity)/kg			%
0 - 0.1	5.78D	0.076A	8.55H	4.02	1.21	0.28			14.14C)
0.1 - 0.2	5.95D	0.055A	6.96H	4.39	0.85	0.37			12.61D)
0.2 - 0.4	6.32D	0.086A	6.97H	5.67	0.68	0.53			13.87D)
0.5 - 0.7	6.32D	0.145A	11.68H	15.96	0.54	2.78			30.98D)
0.6 - 0.7			10.06H	14.64	0.6	2.89			28.19D)
Depth	CaCO3	Organic	Avail.	Total	Total	Total		Partic		Analysis
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV CS	SFS %	Silt Clay
0 - 0.1		1.47A	34J							
0.1 - 0.2										
0.2 - 0.4										
0.5 - 0.7										
0.6 - 0.7										
Depth	COLE		Grav		olumetric V				sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 E			
m				g/	g - m3/m	3		n	nm/h	mm/h
0 - 0.1										
0.1 - 0.2										
0.2 - 0.4										

0.2 - 0.4 0.5 - 0.7 0.6 - 0.7

Project Name:Hunter Valley Soil SurveyProject Code:HVSite ID:Agency Name:CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

15_NR_AL	Exchangeable aluminium - method not recorded
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J BASES	Sum of Bases
3A1	EC of 1:5 soil/water extract
4C1	pH of 1:5 soil/1M potassium chloride extract - direct
6A1	Organic carbon - Walkley and Black
9B1	Bicarbonate-extractable phosphorus - manual colour

Observation ID: 1