

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP355 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Roxburgh.
Date Desc.:	05/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.785	Runoff:	No Data
Easting/Lat.:	-32.33	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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:

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 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;
B2	0.2 - 0.6 m	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 m	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	pH at 20 cm.
B2	pH at 60 cm.
BC	Subangular rock present.

Observation Notes

Soil type: possible Euchrozem?

Site Notes

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

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[illegible]

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Laboratory Analyses Completed for this profile

15_NR_AL	Exchangeable aluminium - method not recorded
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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_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