

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP353 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Upperslope site on Roxburgh, 20 metres from crest.
Date Desc.:	05/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.80305556	Runoff:	No Data
Easting/Lat.:	-32.34194444	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:	Steep hills 90-300m 32-56%	Pattern Type:	No Data
Morph. Type:	Upper-slope	Relief:	100 metres
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	15 %	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:	Solodic soil
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark yellowish brown (10YR4/4-Dry); ; Sandy loam (Heavy); Common, fine (1-2mm) roots;
0.1 - 0.2 m	Light reddish brown (5YR6/4-Dry); ; Sandy clay loam; , very fine (0-1mm) roots;
0.2 - 0.45 m	Yellowish red (5YR5/6-Moist); ; Light clay; 2-10%, medium gravelly, 6-20mm, subangular, coarse fragments; Few, coarse (>5mm) roots;
0.45 - 1 m	Yellowish brown (10YR5/6-Moist); ; Silty light clay; 2-10%, medium gravelly, 6-20mm, coarse fragments; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Calcareous, Medium (2 -6 mm), Soft segregations; Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Duplex soil.

Site Notes

Open woodland above site and pasture below. Liddell land system.

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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