

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP374 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Middle Falbrook.
Date Desc.:	07/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9133 1:100000	Rainfall:	No Data
Northing/Long.:	151.14888889	Runoff:	No Data
Easting/Lat.:	-32.44305556	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:	Hills
Morph. Type:	Upper-slope	Relief:	90 metres
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	10 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Yellow Kurosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodic soil
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Light brownish grey (10YR6/2-Dry); ; 10YR66, 2-10% , 0-5mm, Faint; Loamy coarse sand; 0-2%, fine gravelly, 2-6mm, rounded tabular, Sandstone, coarse fragments; Many, fine (1-2mm) roots; Clear change to -
A2	0.1 - 0.5 m	Light grey (10YR7/2-Dry); ; Coarse sandy loam; 10-20%, medium gravelly, 6-20mm, rounded tabular, Sandstone, coarse fragments; Common, fine (1-2mm) roots;
B2	0.5 - 0.8 m	Light yellowish brown (10YR6/4-Dry); ; 10YR68, 10-20% , 0-5mm, Distinct; , 10YR76, 10-20% , 0-5mm, Distinct; Light clay; 10-20%, medium gravelly, 6-20mm, rounded, Sandstone, coarse fragments; Few, very fine (0-1mm) roots;
BC	0.8 - 1 m	Very pale brown (10YR8/3-Dry); ; Light clay; 10-20%, medium gravelly, 6-20mm, coarse fragments;

Morphological Notes

A1	Sandstone fragments.
B2	Augered.
BC	Sandy Light Clay.

Observation Notes

Site Notes

Clarefield - Cheetham. Pasture - tall grass, paspalum and couch.

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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