

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP390 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Ashman's Brokerd.
Date Desc.:	08/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9132 1:100000	Rainfall:	No Data
Northing/Long.:	151.27305556	Runoff:	No Data
Easting/Lat.:	-32.77	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:	No Data
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	8 %	Aspect:	360 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Red Dermosol		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	Brown (7.5YR5/4-Dry); ; Sandy clay loam; 0-2%, medium gravelly, 6-20mm, rounded, Quartzite, coarse fragments; Gradual, Wavy change to -
AB	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); , 7.5YR46, 2-10% , 5-15mm, Distinct; Light clay; 0-2%, fine gravelly, 2-6mm, coarse fragments; Gradual, Wavy change to -
B21	0.2 - 0.4 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; 0-2%, fine gravelly, 2-6mm, coarse fragments; Gradual, Smooth change to -
B22	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Light medium clay; 0-2%, fine gravelly, 2-6mm, coarse fragments; Gradual, Smooth change to -
Bk	0.6 - 1 m	Brownish yellow (10YR6/6-Moist); , 7.5YR46, 2-10% , 5-15mm, Distinct; Light clay (Light); 10-20%, medium gravelly, 6-20mm, rounded, Quartzite, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations;

Morphological Notes

Observation Notes

Red gradational/or duplex soil.

Site Notes

Tyrell's. Low undulating hills. Surface appears to have been limed, but not in records. Contour Block.

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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