

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP345 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Dartbrook Property.
Date Desc.:	04/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.84194444	Runoff:	No Data
Easting/Lat.:	-32.14805556	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:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	180 degrees

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 - 0.08 m	Yellowish brown (10YR5/4-Dry); ; Loamy fine sand; Very weak consistence; Common, fine (1-2mm) roots; Clear change to -
A2	0.08 - 0.22 m	Light reddish brown (5YR6/4-Dry); ; Fine sandy loam; Weak consistence; Common, fine (1-2mm) roots; Sharp change to -
B2	0.22 - 0.5 m	Yellowish red (5YR5/8-Dry); ; Light medium clay; Rigid consistence; Common, fine (1-2mm) roots; Sharp change to -
C	0.5 - 1 m	Red (2.5YR4/6-Dry); ; 5YR82, 10-20% , 5-15mm, Distinct; , 7.5YR76; Sandy clay loam; Strong consistence; , very fine (0-1mm) roots;

Morphological Notes

B2	Would not wet up well to texture.
C	Possibly some carbonate??

Observation Notes

Site Notes

South facing slope of West running low ridge. 5-7% slope to South. Dartbrook Land system. Grassy Pasture.

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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