

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP388 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Alermain air sampling site.
Date Desc.:	08/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9132 1:100000	Rainfall:	No Data
Northing/Long.:	151.43388889	Runoff:	No Data
Easting/Lat.:	-32.80388889	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:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	1 %	Aspect:	360 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	Soloth

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (10YR5/3-Dry); ; Loamy fine sand; Many, fine (1-2mm) roots; Gradual, Smooth change
A2	0.08 - 0.2 m	Light yellowish brown (10YR6/4-Dry); ; Loamy fine sand; Common, very fine (0-1mm) roots; Clear, Smooth change to -
B21	0.2 - 0.6 m	Brownish yellow (10YR6/6-Dry); ; Fine sandy loam; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B22	0.6 - 1 m	Strong brown (7.5YR5/6-Moist); , 10YR63; , 5YR58; Fine sandy clay loam (Heavy); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Yellowish gradational soil.

Site Notes

Low undulating hills. Crest site. Grass and trees.

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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