

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP368 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Mountain View/Hebden.
Date Desc.:	06/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9133 1:100000	Rainfall:	No Data
Northing/Long.:	151.04388889	Runoff:	No Data
Easting/Lat.:	-32.34405556	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:	Alluvial plain
Morph. Type:	Flat	Relief:	100 metres
Elem. Type:	No Data	Slope Category:	Level
Slope:	0 %	Aspect:	90 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Brown Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Prairie soil
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Brown (10YR4/3-Moist); ; Fine sandy loam (Heavy); Many, fine (1-2mm) roots; Clear, Smooth change to -
A12	0.1 - 0.2 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam; Few, fine (1-2mm) roots; Clear, Smooth change to -
C	0.2 - 0.38 m	Brown (7.5YR5/4-Dry); ; Sandy clay loam; Few, fine (1-2mm) roots; Clear, Smooth change to -
2B	0.38 - 0.7 m	Dark brown (7.5YR3/4-Dry); , 7.5YR56, 10-20% , 5-15mm, Prominent; Sandy clay; 0-2%, medium gravelly, 6-20mm, subrounded, Metamorphic rock (unidentified), coarse fragments; Few, very fine (0-1mm) roots;

Morphological Notes

C Lighter layer.

Observation Notes

Alluvial soil.

Site Notes

Kikkuyu pasture.

Project Name: Hunter Valley Soil Survey

Project Code: HV

Agency Name: CSIRO Division of Soils (ACT)

Site ID: CP368

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.85D	0.062A	4.58H	1.12	1.36	0.04			7.27D	
0.1 - 0.2	4.9D	0.059A	4.44H	1.08	0.77	0.09			6.55D	
0.2 - 0.4	5.15D	0.042A	4.91H	1.45	0.31	0.11			6.82D	
0.5 - 0.7	5.72D	0.043A	8.99H	4.81	0.62	0.19			14.64D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		1.23A	12J									
0.1 - 0.2												
0.2 - 0.4												
0.5 - 0.7												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	15 Bar	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar		mm/h	mm/h
			g/g - m3/m3			
0 - 0.1						
0.1 - 0.2						
0.2 - 0.4						
0.5 - 0.7						

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP368 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

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