

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP358 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Roxburgh.
Date Desc.:	05/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.78805556	Runoff:	No Data
Easting/Lat.:	-32.31805556	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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Terrace plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Black 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	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Common, very fine (0-1mm) roots; Gradual change to -
A12	0.1 - 0.28 m	Black (10YR2/1-Moist); ; Clay loam (Heavy); Common, very fine (0-1mm) roots; Sharp change to -
BC	0.28 - 0.7 m	Black (10YR2/1-Moist); ; Light clay; Common, very fine (0-1mm) roots; Abrupt change to -
2	0.7 - 1 m	Brown (10YR4/3-Moist); ; Clay loam, fine sandy;

Morphological Notes

A12	Very organic to depth.
BC	Cambric B, uncertain BC horizon.

Observation Notes

Soil type: possible prairie soil?

Site Notes

River terrace site. Irrigated lucerne 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