

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP362 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Wynot.
Date Desc.:	06/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.671111111	Runoff:	No Data
Easting/Lat.:	-32.32805556	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 low hills 30-90m 32-56%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Dry); ; Loamy coarse sand; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Common, fine (1-2mm) roots; Clear, Smooth change to -
A21	0.1 - 0.2 m	Very pale brown (10YR7/3-Dry); ; Loamy coarse sand; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Gradual, Smooth change
A22	0.2 - 0.7 m	Light yellowish brown (10YR6/4-Dry); ; Loamy coarse sand; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Clear, Smooth change to -
B2	0.7 - 1 m	Yellowish brown (10YR5/6-Dry); , 10YR63, 10-20% , 15-30mm, Prominent; Clay loam, coarse sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

Morphological Notes

A22 Partially cemented upper A2 at approximately 20 cm.

Observation Notes

Soil type: duplex soil , similar to CP361 but fewer stones.

Site Notes

Musswellbrook sheet. River flat. Tall grass 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