

**Project Name:** Hunter Valley Soil Survey  
**Project Code:** HV **Site ID:** CP377 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

**Site Information**

<b>Desc. By:</b>	C.J. Chartres	<b>Locality:</b>	Belford.
<b>Date Desc.:</b>	07/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 9132 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	151.28611111	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-32.65805556	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Very steep low hills 30-90m 56-100%	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

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

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Pale brown (10YR6/3-Dry); ; Loamy coarse sand; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.1 - 0.2 m	Pink (7.5YR7/4-Dry); ; Loamy coarse sand; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Few, fine (1-2mm) roots; Abrupt, Irregular change to -
B21	0.2 - 0.7 m	Yellowish brown (10YR5/8-Dry); , 2.5YR58, 2-10% , 0-5mm, Distinct; Medium clay; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Few, coarse (>5mm) roots; Gradual, Smooth change to -
B22	0.7 - 1 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR58, 20-50% , 0-5mm, Prominent; Medium clay; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Few, coarse (>5mm)

**Morphological Notes**

A2 Very irregular boundary.

**Observation Notes**

Red duplex soil.

**Site Notes**

Sclerophyllous woodland - spotted gum, with grass understorey.

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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 <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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