**Project Name: Hunter Valley Soil Survey** 

**Project Code:** Site ID: **CP380** Observation ID: 1

Agency Name: **CSIRO Division of Soils (ACT)** 

**Site Information** 

C.J. Chartres Locality: Belford, laneway on Lander's farm.

Desc. By: Date Desc.: Elevation: 07/04/93 No Data Sheet No.: 9132 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 151.27805556 Runoff: No Data Easting/Lat.: Drainage: No Data -32.60611111

Geology

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

**Land Form** 

Rel/Slope Class: Gently undulating plains <9m 1-Pattern Type: Alluvial plain

Flat Morph. Type: Relief: 5 metres

Slope Category: Very gently sloped Elem. Type: Levee Slope: 2 % Aspect: 180 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification:** Mapping Unit: N/A Orthic Tenosol **Principal Profile Form:** N/A ASC Confidence: Great Soil Group: Alluvial soil

Confidence level not specified

Site Disturbance:

Vegetation:

**Surface Coarse Fragments:** 

**Profile Morphology** 

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Dry); ; Loamy sand; Many, fine (1-2mm) roots; Clear change to -
A2	0.1 - 0.2 m	Dark yellowish brown (10YR4/4-Dry); ; Loamy sand; Few, fine (1-2mm) roots; Gradual change
2A	0.2 - 0.65 m	Dark yellowish brown (10YR3/4-Dry); ; Loamy sand; Few, fine (1-2mm) roots; Gradual change
2	0.65 - 1 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam (Heavy); Few, very fine (0-1mm) roots;

### **Morphological Notes**

## **Observation Notes**

#### **Site Notes**

Sampled 4 metres from fence.

Project Name: Project Code: Agency Name:

Hunter Valley Soil Survey
HV Site ID: CP:
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# **Laboratory Test Results:**

Danith	, rest ive		F		0-4!		Forebon models	050		-0-0		<b>-</b> 00
Depth	pН	1:5 EC		hangeable Vig	K	Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m		9	.`	Cmol (						%
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.65 0.8 - 1	6.1D 6D 5.95D 6.1D 6.32D	0.079A 0.06A 0.065A 0.071A 0.108A		3.12 3.16 4.49 6.7 5.59	0.77 0.9 0.42 0.19 0.16	0.32 0.43 0.76 1.12 0.85			? ?	9.83D 10.56[ 15.48[ 33.14[ 24.06[	) ) )	
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %		Pa GV	article CS	Size FS %	Analysi Silt	s Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.65 0.8 - 1		1.58A	34J									
Depth	COLE										K unsa	at
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15	Bar	mm	/h	mm/h	1

0 - 0.1 0.1 - 0.2

0.2 - 0.4 0.5 - 0.65 0.8 - 1

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## **Laboratory Analyses Completed for this profile**

15\_NR\_AL Exchangeable aluminium - method not recorded

15E1\_CA 15E1\_K 15E1\_MG 15E1\_NA Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts 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

pH of 1:5 soil/1M potassium chloride extract - direct Organic carbon - Walkley and Black 4C1

6A1

9B1 Bicarbonate-extractable phosphorus - manual colour