Project Name: Hunter Valley Soil Survey

Project Code: Site ID: **CP376** Observation ID: 1 HV

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

Site Information

C.J. Chartres Locality: Middle Falbrook.

Desc. By: Date Desc.: Elevation: 07/04/93 No Data Sheet No.: 9033 Map Ref.: 1:100000 Rainfall: No Data Northing/Long.: 151.14777778 Runoff: No Data Easting/Lat.: -32.44888889 Drainage: No Data

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: Level plain <9m <1% Pattern Type: Alluvial plain Morph. Type: Elem. Type: Relief: No Data **Slope Category:** Levee Level No Data Slope: 0 % Aspect:

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

0 - 0.1 m Brown (10YR4/3-Dry); ; Loamy sand; Many, very fine (0-1mm) roots; , fine (1-2mm) roots;

Clear, Smooth change to -

В 0.1 - 0.7 m Brown (10YR4/3-Moist); ; Loamy sand; Common, fine (1-2mm) roots;

Morphological Notes

Soil too loose below 70cm.

Observation Notes

Site Notes

River flat, 30 metres from trees.

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Laboratory Test Results:

Depth	pН											
Doptii	рп	1:5 EC		nangeable Vig	Cations K	Na	Exchangeable Acidity	CEC		ECEC	I	ESP
m		dS/m	Ca i	vig	ĸ	Cmol (%
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7	6.32D 6.1D 5.98D 5.85D	0.062A 0.039A 0.032A 0.025A	5.57H 6.71H	1.45 0.97 1.98 1.76	0.11 0.1 0.14 0.14	0.13 0.27 0.46 0.27				9.05D 6.93D 9.3D 8.05D		
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	al Bulk Density Mg/m3	Pa GV	article CS	Size FS %	Analysis Silt	s Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7		0.9A	6J									
Depth	COLE								K sat		K unsat	
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	

0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7

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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