Project Name: Hunter Valley Soil Survey

Project Code: CP360 Observation ID: 1 Site ID:

CSIRO Division of Soils (ACT) Agency Name:

Site Information

Desc. By: C.J. Chartres Locality: Denman Gap. Date Desc.: Elevation: 05/04/93 No Data Map Ref.: Sheet No.: 9033 1:100000 Rainfall: No Data Northing/Long.: Runoff: 150.67 No Data Easting/Lat.: Drainage: -32.36 No Data

Geology

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

Land Form

Rel/Slope Class: No Data Pattern Type: Escarpment Mid-slope Relief: No Data

Morph. Type: Elem. Type: Slope Category: Moderately inclined Hillslope. 20 % Aspect: 360 degrees Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: N/A Mapping Unit: Red Sodosol Principal Profile Form: N/A

ASC Confidence: **Great Soil Group:** Red podzolic soil

Confidence level not specified

Site Disturbance:

Vegetation:

Tall Strata - Tree, , . *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m A11 : Loamy coarse sand: 50-90%, medium gravelly, 6-20mm, rounded. Sandstone, coarse fragments; Many, fine (1-2mm) roots; Gradual, Smooth change to -A21 0.1 - 0.4 m Brown (7.5YR5/4-Drv): Loamy coarse sand: 50-90%, medium gravelly, 6-20mm, rounded. Sandstone, coarse fragments; Common, fine (1-2mm) roots; Gradual, Smooth change to Pink (5YR7/3-Dry); ; Loamy sand; 50-90%, medium gravelly, 6-20mm, rounded, Sandstone, A22 0.4 - 0.8 m coarse fragments; Few, fine (1-2mm) roots; Abrupt, Smooth change to -0.8 - 1.1 m B2 Dark reddish brown (5YR3/3-Dry); ; Sandy light clay; 20-50%, medium gravelly, 6-20mm, rounded, Sandstone, coarse fragments; Few, fine (1-2mm) roots;

Morphological Notes

Larger tree roots also present.

Observation Notes

Vegetation: Dry sclerophyll Eucalypt woodland.

Site Notes

Profile sampled, over 40 cm laterally, from a road cut (very hard and gravelly). Lees Pinch land system.

Hunter Valley Soil Survey
HV Site ID: CP:
CSIRO Division of Soils (ACT) CP360 Observation ID: 1

Project Name: Project Code: Agency Name:

Laboratory Test Results:

Laboratory Test Results:												
Depth	рН	1:5 EC		hangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	E	CEC		ESP
m		dS/m	3			Cmol (+)/kg						%
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1	4.98D 5D 5D 4.9D 4.95D	0.073A 0.036A 0.028A 0.052A 0.037A	3.61H 2.39H 1.99H	2.31 1.82 1.74 1.74 9.64	0.77 0.61 0.53 0.32 0.79	0.16 0.12 0.15 0.24 1.3			6. 4. 4.	36D 37D 99D 41D .41D		
Depth	CaCO3	Organic	Avail.	Total	Total	Tota	l Bulk	Pa	rticle S	ize	Analysi	is
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1		1.85A	2J									
Depth	COLE		Grav	/imetric/Vo	olumetric V	Vater Cor		K sat		K unsat		
m		Sat.	0.05 Bar	0.1 Bar 0.5 Bar g/g - m3/m3		1 Bar 3	5 Bar 15	5 Bar	Bar mm/h		mm/h	
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1												

Project Name: Hunter Valley Soil Survey

Project Code: Н۷ Site ID: **CP360** Observation ID: 1

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

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