Project Name: Hunter Valley Soil Survey

Project Code: HV Site ID: CP382 Observation ID: 1

Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: C.J. Chartres Locality: Corrabare State Forest.

Date Desc.: Elevation: No Data 07/04/93 Sheet No.: 9132 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 151.23611111 Runoff: No Data Easting/Lat.: -32.94 Drainage: No Data

<u>Geology</u>

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

Land Form

Rel/Slope Class: No Data

Morph. Type: No Data

Reliem. Type: No Data

Relief: No Data

Relief: No Data

Slope Category: No Data

Slope: 25 %

Aspect: 270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

 Australian Soil Classification:
 Mapping Unit:
 N/A

 Yellow Kandosol
 Principal Profile Form:
 N/A

ASC Confidence: Great Soil Group: Yellow earth

Confidence level not specified

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy sand (Heavy); 10-20%, medium gravelly, 6-20mm, rounded tabular, coarse fragments; Many, coarse (>5mm) roots; Gradual, Smooth change to
A2 0.1 - 0.5 m Brown (10YR4/3-Moist); ; Sandy clay loam; 20-50%, coarse gravelly, 20-60mm, rounded tabular, coarse fragments; Many, coarse (>5mm) roots; Gradual, Smooth change to
B21 0.5 - 0.7 m Strong brown (7.5YR4/6-Moist); ; Light clay; 10-20%, coarse gravelly, 20-60mm, rounded tabular, coarse fragments; Common, coarse (>5mm) roots;

B22 0.7 - 1 m Reddish yellow (7.5YR7/8-Moist); ; Sandy clay loam (Heavy); 10-20%, coarse gravelly, 20-

60mm, rounded tabular, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Road cut.

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Laboratory Test Results:

<u>Laborator</u> y	I CSt ItC	Juito.								
Depth	pН	1:5 EC		hangeable			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+	Acidity -)/kg			%
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.6 - 0.7 0.8 - 1	4.2D 4.28D 4.45D 4.12D 4.68D	0.049A 0.035A 0.041A 0.02A 0.036A	0.26H 0.49H 0.19H	1.14 1.04 1.21 1.58 1.86	0.55 0.58 0.72 0.23 0.22	0.28 0.24 0.26 0.16 0.19			6.43D 4.1D 4.73D 6.51D 3.18D	
Depth	CaCO3	Organic	Avail. P	Total P	Total	Tota K				•
m	%	C %	mg/kg	%	N %	К %	Density Mg/m3	GV	CS FS %	Silt Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.6 - 0.7 0.8 - 1		5.52A	3J							
Depth	COLE		Grav	/imetric/Vo	olumetric V	Vater Cor	itents		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 0.6 - 0.7 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