

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP349 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Rossgole.
Date Desc.:	04/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.72888889	Runoff:	No Data
Easting/Lat.:	-32.135	Drainage:	No Data

Geology

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	Pattern Type:	Plateau
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	10 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Red Ferrosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Krasnozem
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Dry); ; Clay loam; 0-2%, fine gravelly, 2-6mm, rounded, coarse fragments; Common, fine (1-2mm) roots; Clear, Smooth change to -
AB	0.1 - 0.2 m	Dark reddish brown (5YR3/4-Dry); ; Clay loam; 0-2%, fine gravelly, 2-6mm, rounded, coarse fragments; Common, very fine (0-1mm) roots; Abrupt, Smooth change to -
B21	0.2 - 0.5 m	Dark red (2.5YR3/6-Moist); ; Clay loam; 2-10%, fine gravelly, 2-6mm, angular, coarse fragments; Very few (0 - 2 %), Manganiferous, , ; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
B22	0.5 - 0.7 m	Yellowish red (5YR4/6-Moist); ; Light clay; 2-10%, medium gravelly, 6-20mm, coarse fragments; Many (20 - 50 %), Manganiferous, , ; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
BC	0.7 - 1 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; 2-10%, medium gravelly, 6-20mm, coarse fragments; Very few (0 - 2 %), Manganiferous, , ; Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Soil type: Krasnozem/Euchrozem?

Site Notes

Near shearing sheds, 100 metres South-west. Pasture, couch-like and taller clumps.

Observation ID: 1

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	5.08D	0.059A	13.4H	3.5	0.28	0.31		17.82D	
0.1 - 0.2	6.08D	0.039A	16.53H	3.79	0.16	0.4		20.92D	
0.2 - 0.4	6.91D	0.103A	10.59H	3.62	0.11	0.28		14.61D	
0.5 - 0.7	6.61D	0.047A	7.09H	5.01	0.1	0.39		12.6D	
0.8 - 1	6.52D	0.048A	7.86H	7.34	0.12	1.23		16.55D	

[illegible][illegible]

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP349 **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	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) 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