

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP347 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	East Rossgole.
Date Desc.:	04/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.76194444	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:	Ridge	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Black Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Black earth
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/3-Dry); ; Light medium clay; Very firm consistence; 0-2%, medium gravelly, 6-20mm, coarse fragments; Many, fine (1-2mm) roots; Clear, Irregular change to -
A12	0.1 - 0.2 m	Dark brown (7.5YR3/2-Dry); ; Light clay; Very firm consistence; 2-10%, medium gravelly, 6-20mm, coarse fragments; Common, fine (1-2mm) roots; Sharp, Irregular change to -
B2	0.2 - 0.4 m	Dark reddish brown (5YR3/2-Dry); ; Medium clay; Firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Basalt, coarse fragments; Common, very fine (0-1mm) roots; Gradual, Wavy change to -
C	0.4 - 0.7 m	; Medium clay; 10-20%, coarse gravelly, 20-60mm, coarse fragments;

Morphological Notes

A12	very pedal.
C	weathered rock/gravelly, little clay matrix.

Observation Notes

Soil type: Black earth/Chocolate intergrade. GSG also noted as C (Chocolate soil).

Site Notes

Rossgole land system. M.Tumbull - (Guy Thomas). Pasture with some lucerne. Scattered trees. South of main home, approximately 600 metres from large barn.

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[illegible]

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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