

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP365 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Lake Liddell, roadside, 30 metres west of Antienne turnoff.
Date Desc.:	06/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 9033 1:100000	Rainfall:	No Data
Northing/Long.:	150.98305556	Runoff:	No Data
Easting/Lat.:	-32.34805556	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:	Low hills
Morph. Type:	Upper-slope	Relief:	20 metres
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	8 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (10YR4/3-Dry); ; Fine sandy loam; Many, fine (1-2mm) roots; Abrupt change to -
B21	0.08 - 0.4 m	Red (2.5YR4/6-Dry); , 5YR42, 2-10% , 0-5mm, Faint; Medium clay; 0-2%, medium gravelly, 6-20mm, coarse fragments; , fine (1-2mm) roots;
B22	0.4 - 0.7 m	Red (2.5YR4/6-Dry); , 5YR42, 10-20% , 5-15mm, Faint; Medium clay; Few, very fine (0-1mm) roots;
B1c	0.7 - 1 m	Red (2.5YR5/8-Moist); , 7.5YR52, 10-20% , 5-15mm, Faint; , 5YR42; Light medium clay; 2-10%, medium gravelly, 6-20mm, coarse fragments;

Morphological Notes

A1	A2 in one core 5-10cm (7.5yr63)
B1c	Soft weathered rock fragments.

Observation Notes

Site may have been eroded. GSG also noted as Red Podsollic.

Site Notes

Grass and scattered trees in paddocks.

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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