Project Name: Project Code: Agency Name:	Hunter Valley Soil Survey HV Site ID: CSIRO Division of Soils (A		bservation ID:	1		
Site Informatio Desc. By:	<u>n</u> C.J. Chartres	Locality:	Lake Liddell, road	dside, 30 metres west of Antienne		
Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	06/04/93 Sheet No. : 9033 1:100000 150.98305556 -32.34805556	Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data No Data No Data			
Geology ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Materia				
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data Upper-slope Hillcrest 8 %	Pattern Type: Relief: Slope Category: Aspect:	Low hills 20 metres Gently inclined 270 degrees			
Surface Soil Condition (dry):						
Erosion: Soil Classificat	ion					
Australian Soil C		Manni	ing Unit:	N/A		
Red Kurosol			pal Profile Form:	N/A		
ASC Confidence	-	Great	Soil Group:	Soloth		
Confidence level Site Disturbance	•					
Vegetation:						
Surface Coarse Fragments:						
Profile Morpho	logy					
A1 0 - 0.08 i	m Brown (10YR4/3-Dry); ; Fir	ne sandy loam; Many,	, fine (1-2mm) roots	; Abrupt change to -		
B21 0.08 - 0.4	4 m Red (2.5YR4/6-Dry); , 5YR 20mm, coarse fragments; ,		Faint; Medium clay;	0-2%, medium gravelly, 6-		
B22 0.4 - 0.7	m Red (2.5YR4/6-Dry); , 5YR roots;	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 (7.5					
B1c	Soft weathered rock fragme	ents.				
Observation No	otes					

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

Site Notes

Grass and scattered trees in paddocks.

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Laboratory Test Results:

Depth	рН	1:5 EC		nangeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Иg	к	Na Cmol (+)	Acidity /kg			%
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1	4.72D 4.55D 4.2D 4.18D 3.95D	0.065A 0.098A 0.202A 0.58A 0.83A	2.6H 3.06H 1.76H 1.69H 0.8H	3.98 9.85 8.88 9.71 9.41	0.87 0.87 0.52 0.41 0.39	0.33 1.2 1.89 4.8 5.59			7.96D 15.74D 14.55D 18.47D 18.05D	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV CS	Size A FS	nalysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1		2.25A	ЗJ							
Depth	COLE		Grav	imetric/Vc	olumetric V	Vater Cont	ents	Ks	at	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 B	3ar mn	ı/h	mm/h
0 - 0.1										
0.1 - 0.2										
0.2 - 0.4										
0.5 - 0.7										

0.8 - 1

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Laboratory Analyses Completed for this profile

15_NR_AL 15E1_CA 15E1_K 15E1_MG	Exchangeable aluminium - method not recorded 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
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

Observation ID: 1