Project Name: Project Code:	Hunter Valley Soil Survey HV Site ID:		bservation ID:	4		
Agency Name:			DServation ID.	•		
Site Informatio		,				
Desc. By:	C.J. Chartres	Locality:				
Date Desc.:	07/04/93	Elevation:	No Data			
Map Ref.: Northing/Long.:	Sheet No. : 9132 1:100000 151.27388889	Rainfall: Runoff:	No Data No Data			
Easting/Lat.:	-32.615	Drainage:	No Data			
<u>Geology</u>	the distance of a site site			1-		
ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Materia				
Land Form						
Rel/Slope Class:	Undulating low hills 30-90m 3- 10%	Pattern Type:	Hills			
Morph. Type:	Mid-slope	Relief:	30 metres			
Elem. Type: Slope:	Hillslope 4 %	Slope Category: Aspect:	Very gently slope 360 degrees	Ð		
Surface Soil Co	ondition (dry):	•	U			
Erosion:						
Soil Classificat	<u>ion</u>					
Australian Soil C	lassification:	••	Mapping Unit: N/A			
Brown Sodosol ASC Confidence			ipal Profile Form: Soil Group:	N/A		
Confidence level	-	Great	Soloth			
Site Disturband	•					
Vegetation:	_					
Surface Coarse Fragments:						
A1 0 - 0.1 m		amy cond: Many find	(1. 2mm) roots: Cr	adual change to		
	,,,,		( )	0		
A2 0.1 - 0.2	Ϋ́Υ.	,				
B21 0.2 - 0.7	m Brown (10YR5/3-Moist); , 2mm) roots;	7.5YR56, 10-20% , 5-	15mm, Distinct; Lig	ht clay; Common, fine (1-		
B22 0.7 - 1 m	Brown (10YR5/3-Moist); , Distinct; Light clay; Few, v			.5YR58, 10-20% , 5-15mm,		
Morphological Notes						
A1	Deep cracks filled with san					
A2 B21	Deep cracks filled with sand Light Clay texture is sandy.		with sand to 70cm.			
B22	Prominent red mottle in 1 c			texture is sandy.		
Observation No						
Brown duplex soil						

## Site Notes

Kelvin Landen. Pasture. Rothbury land system.

Project Name:Hunter Valley Soil SurveyProject Code:HVSite ID:Agency Name:CSIRO Division of Soils (ACT)

Observation ID: 1

### 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	4.5D 4.6D 5D 5.15D 5.2D	0.043A 0.028A 0.115A 0.271A 0.554A	0.74H 0.39H 0.19H	0.77 0.62 8.47 7.65 7.61	0.63 0.32 0.32 0.15 0.22	0.13 0.13 2.37 3.82 4.95			3.28D 2.06D 11.64E 11.84E 12.84E	
Depth m	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Partic GV CS		Analysis Silt Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7 0.8 - 1		1.41A	4J							
Depth	COLE				olumetric V				( sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15 E		nm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.4 0.5 - 0.7										

0.8 - 1

# Project Name:Hunter Valley Soil SurveyProject Code:HVSite ID:Agency Name:CSIRO Division of Soils (ACT)

## Laboratory Analyses Completed for this profile

15_NR_AL 15E1_CA 15E1_K 15E1_MG 15E1_NA 15J_BASES 3A1 4C1	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 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 Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Figure 1:5 soil/water extract pH of 1:5 soil/1M potassium chloride extract - direct
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