Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV43 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: C.J. Chartres Locality:

 Date Desc.:
 02/06/88
 Elevation:
 210 metres

 Map Ref.:
 Sheet No.: 8025
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 5975500 AMG zone: 55
 Runoff:
 Moderately rapid

Easting/Lat.: 407400 Datum: AGD66 Drainage: Moderately well drained

**Geology** 

ExposureType: Auger boring Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: No Data

**Land Form** 

Rel/Slope Class: Undulating low hills 30-90m 3- Pattern Type: Hills

10%

Morph. Type:Lower-slopeRelief:50 metresElem. Type:HillslopeSlope Category:Gently inclinedSlope:3 %Aspect:240 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification: Mapping Unit: N/A N/A Principal Profile Form: DR ASC Confidence: Great Soil Group: N/A

Confidence level not specified

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. \*Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

**Profile Morphology** 

A1 0 - 0.18 m Dark brown (7.5YR3/4-Moist); ; Sandy loam; 2-10%, medium gravelly, 6-20mm, subangular

tabular, Other, coarse fragments;

A2 0.18 - 0.5 m Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); ; Sandy loam (Light); 2-10%, fine

gravelly, 2-6mm, subangular, Other, coarse fragments;

B21 0.5 - 0.8 m Yellowish red (5YR5/8-Moist); , 10YR72, 2-10% , 5-15mm, Distinct; Light medium clay; 2-10%,

coarse gravelly, 20-60mm, subangular, Other, coarse fragments;

**Morphological Notes** 

A2 Cons bleached A2

**Observation Notes** 

Clover and capeweed? Paddock, 15m box. Abrupt texture contrast, bleached A2? Like R2

Site Notes

Goorambat

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## **Laboratory Test Results:**

Laboratory	1031110	Juito.								
Depth	pН	1:5 EC		hangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		9		Cmol (+				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.04B 4.15B 4.4B 4.75B 5.09B 6.68B		1.37K 1.69K 1.39K 3.44K	0.48 0.62 1.59 7.19	0.31 0.2 0.16 0.35	0.23 0.23 0.51 1.98				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV C	cle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8										
Depth	COLE		Grav	imetric/V	olumetric V	Vater Con	tents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 E		mm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8										

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## **Laboratory Analyses Completed for this profile**

13_NR_AL	Extractable Al(%) - Not recorded
13_NR_MN	Extractable Mn(%) - Not recorded

Extractable Min(%) - Not recorded

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded

Exch. basic cations (K++) - meq per 100g of soil - Not recorded

Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded

Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

pH of 1:5 soil/0.01M calcium chloride extract - direct 15\_NR\_CA 15\_NR\_K 15\_NR\_MG 15\_NR\_NA