Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV45 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: C.J. Chartres Locality:

Date Desc.: 02/06/88 Elevation: 135 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data 5983900 AMG zone: 55 Runoff: Northing/Long.: Moderately rapid 405400 Datum: AGD66 Moderately well drained Easting/Lat.: Drainage:

Geology

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

**Land Form** 

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Plain

1-3%

Morph. Type: Flat Relief: 2 metres

Elem. Type:PlainSlope Category:Very gently slopedSlope:1 %Aspect:220 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DRASC 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** 

Ap 0 - 0.1 m Brown (7.5YR4/4-Moist); ; Fine sandy loam;

A1 0.1 - 0.2 m Dark brown (7.5YR3/4-Moist); ; Fine sandy loam (Heavy);

A2 0.2 - 0.28 m Strong brown (7.5YR5/6-Moist); Light brown (7.5YR6/4-Dry); ; Clay loam, fine sandy;

B21 0.28 - 0.5 m Yellowish red (5YR5/8-Moist); Light clay (Light);

B22 0.5 - 0.8 m Yellowish red (5YR5/8-Moist); ; Light clay;

**Morphological Notes** 

A2 Not bleached

**Observation Notes** 

15m box. Capeweed? and clover pasture. Dropping off a local 1m rise (low dune?) Reasonably drained and perm. Red B Earth? No bleached A2, no carbonate.

**Site Notes** 

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## **Laboratory Test Results:**

Depth	рН	1:5 EC		hangeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Mg	К	Na Cmol (+)	Acidity /kg			%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.21B 4.06B 4.42B 4.99B 5.33B 6.74B		1.68K 1.37K 1.65K 3.96K	0.43 0.37 0.75 2.4	0.88 0.56 0.36 0.55	0.08 0.09 0.14 0.4				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Par GV	ticle Size	Analysis Silt Clay
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/Vo	olumetric V	Vater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	Bar	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