Acids Soils in South Eastern Australia **Project Name:**

Project Code: Site ID: AV92 Observation ID: 1 AcidSoils

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

Date Desc.: Elevation: 24/08/88 170 metres Sheet No.: 8125 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 5985500 AMG zone: 55 Runoff: Moderately rapid Moderately well drained Drainage:

410400 Datum: AGD66 Easting/Lat.:

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m Pattern Type: Rises

Mid-slope Morph. Type: Relief: 10 metres Elem. Type: Hillslope Slope Category: Very gently sloped Aspect: 230 degrees Slope: 2 %

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

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

0 - 0.1 m qΑ Dark reddish brown (5YR3/3-Moist); ; Sandy loam (Light); Strong brown (7.5YR5/6-Moist); Pinkish grey (7.5YR6/2-Dry); ; Sandy loam (Heavy); 2-10%, A2 0.1 - 0.3 m medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; B21 Red (2.5YR4/6-Moist); , 10YR63, 10-20% , 5-15mm, Distinct; Medium clay; 2-10%, fine gravelly, 0.3 - 0.5 m 2-6mm, subangular, Quartz, coarse fragments; B22 0.5 - 0.8 m Brown (7.5YR5/4-Moist); ; Medium heavy clay; 2-10%, fine gravelly, 2-6mm, subangular, coarse

fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules;

Morphological Notes

Not bleached. A2 Sandy No CO3 **B21 B22**

Observation Notes

Grazing paddock, grass>clover>weeds. Red duplex, RBE but no CO3. NCBS.

Site Notes

Lake Rowan

Project Name: Project Code: Agency Name: Acids Soils in South Eastern Australia

AcidSoils Site ID: AV92 CSIRO Land and Water (ACT) Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Ca	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	4.41B 4.48B 5.11B 6.18B 6.59B 7.16B		2.53K 2.62K 2.89K 6.72K	0.47 0.47 1.18 5.81	0.48 0.27 0.17 0.31	0.09 0.14 0.3 1.6				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic		Analysis Silt Clay
m 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	%	%	mg/kg	%	%	%	Mg/m3		%	
Depth	COLE		Grav	rimetric/Vo	olumetric V	Vater Cont	ents	1	K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 E		nm/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