Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV81 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

Elevation: Date Desc.: 24/08/88 135 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 5985200 AMG zone: 55 Runoff: Moderately rapid 403900 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:
 Level plain <9m <1%</th>
 Pattern Type:
 Plain

 Morph. Type:
 Flat
 Relief:
 1 metres

 Elem. Type:
 Plain
 Slope Category:
 Level

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DYASC 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 - 0.2 m Brown (7.5YR4/4-Moist); ; Sandy loam (Light); 0-2%, fine gravelly, 2-6mm, angular platy, Quartz,

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

Ferruginous, Fine (0 - 2 mm), Nodules;

A2 0.2 - 0.3 m Strong brown (7.5YR4/6-Moist); Light brown (7.5YR6/4-Moist); ; Fine sandy loam; 0-2%, fine

gravelly, 2-6mm, angular platy, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Crystals;

B21 0.3 - 0.5 m Yellowish red (5YR5/6-Moist); ; Light clay; 0-2%, fine gravelly, 2-6mm, angular platy, Quartz,

coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %),

Ferruginous, Medium (2 -6 mm), Nodules;

B22 0.5 - 0.8 m ; Clay loam, fine sandy (Light);

Morphological Notes

A2 Not bleached B22 CO3 at 60cm

Observation Notes

Cashel. Grazing paddock, short grass>>weeds. Edge of slight local .5m closed depression. Sandier variant of RBE, sandier B22. Duplex red brown, CO3.

Site Notes

Lake Rowan

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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	4.33B 4.08B 4.16B 5.4B 6.12B 7.43B		1.13K 0.91K 0.97K 5.99K	0.18 0.17 0.19 1.16	0.49 0.51 0.31 0.54	0.02 0.06 0.03 0.06				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV (cle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	•	%	one only
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 Con	tents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 E	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