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

Project Code: Site ID: Observation ID: 1 AcidSoils AV70

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: Date Desc.: Locality: C.J. Chartres

Elevation: 23/08/88 145 metres Sheet No.: 8125 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 6002200 AMG zone: 55 Runoff: Moderately rapid

414400 Datum: AGD66 Moderately well drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: No Data Pattern Type: Rises Morph. Type: Mid-slope Relief: 5 metres

Very gently sloped Elem. Type: Slope Category: Hillslope Slope: 1 % Aspect: 30 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.15 m Dark brown (7.5YR3/2-Moist); ; Sandy clay loam, fine sandy; 2-10%, fine gravelly, 2-6mm, Ap

subrounded, coarse fragments;

Strong brown (7.5YR4/6-Moist); , 10YR32, 10-20% , 5-15mm, Distinct; Medium clay; B1 0.15 - 0.3 m B21 0.3 - 0.6 m Strong brown (7.5YR4/6-Moist); , 10YR32, 10-20% , 5-15mm, Distinct; Medium clay; B22 0.6 - 0.8 m Strong brown (7.5YR5/6-Moist); , 10YR32, 10-20% , 5-15mm, Distinct; Medium clay;

Morphological Notes

Co3 effervescence

Observation Notes

Peter Hammond. Stubble paddock with moderate grass cover. Fairly uniform yellow brown clay. CO3 at 60cm.

Site Notes

Boomahnoomoonah

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Laboratory Test Results:

<u>Luborator</u>	1001110	ouito.								
Depth	рН	1:5 EC		changeable Cations Mg K		Exchangeable Na Acidity		CEC	ECEC	ESP
m		dS/m		5		Cmol (+)				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.88B 5.9B 6.61B 7.15B 7.58B 7.87B		5.85K 10.09K 10.91K 12.19K	3.39 7.15 9.57 10.96	1.01 0.91 1.14 1.2	0.35 1.11 1.76 2.61				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic GV CS		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/Vo	olumetric V	Vater Cont	ents		(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