Project Name: Acids Soils in South Eastern Australia

Project Code: Site ID: Observation ID: 1 AcidSoils AV38

Agency Name: CSIRO Land and Water (ACT)

Site Information

C.J. Chartres Locality:

Desc. By: Date Desc.: Elevation: 02/06/88 135 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 5989800 AMG zone: 55 Runoff: Slow

400700 Datum: AGD66 Imperfectly drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1% Pattern Type: Plain Morph. Type: Flat Relief: 1 metres Elem. Type: Slope Category: Plain Level 0 % Aspect: No Data Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: N/A **Mapping Unit: 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

0 - 0.11 m Brown (10YR4/3-Moist); ; Silty clay loam;

B21 0.11 - 0.5 m Reddish brown (5YR4/4-Moist); ; Light clay (Heavy);

B22 0.5 - 0.8 m Brown (7.5YR4/4-Moist); ; Medium clay;

Morphological Notes

No CO3

Observation Notes

Ledgewood. Level plain 2m microrelief to SE(200m) old chanel? Pasture annual grass & clover. (some surface water). 11-50cm horizon finer with depth from LC- LMC+. No CO3. Similar to last site, but not as grey at depth. RBE? Non calcic brown

Site Notes

Boosey Creek

Acids Soils in South Eastern Australia

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Laboratory Test Results:

Laboratory	1621 VE	suits.								
Depth	pН	1:5 EC		nangeable Vig	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou .	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	4.55B 4.77B 5.06B 5.71B 6.15B 6.96B		3.99K 5.02K 7.08K 8.29K	2.11 4.28 6.55 8.07	0.38 0.27 0.33 0.32	0.87 1.76 2.57 3.53				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Density		icle 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	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