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

Project Code: Site ID: Observation ID: 1 AcidSoils AV94

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality: Tungemah Date Desc.: 25/08/88 Elevation: 130 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data

Northing/Long.: 6002100 AMG zone: 55 Runoff: Moderately rapid 396500 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: Level plain <9m <1% Pattern Type: Rises Morph. Type: Lower-slope Relief: 5 metres Elem. Type: Slope Category: Hillslope Level 270 degrees 0.5 % Aspect: 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 - 0.2 m Dark reddish brown (5YR3/3-Moist); ; Silty loam; Very few (0 - 2 %), Ferruginous, Medium (2 -6 Ap Yellowish red (5YR5/6-Moist); Light brown (7.5YR6/4-Dry); ; Clay loam; 0-2%, fine gravelly, 2-A2 0.2 - 0.4 m 6mm, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 - 6 mm), Concretions: B21 Red (2.5YR4/6-Moist); , 10YR56, 10-20% , 0-5mm, Distinct; Light clay; 0-2%, fine gravelly, 2-0.4 - 0.6 m 6mm, rounded, Quartz, coarse fragments; B22 0.6 - 0.8 m Yellowish brown (10YR5/6-Moist); ; Light clay; 0-2%, fine gravelly, 2-6mm, rounded, Quartz,

coarse fragments;

Morphological Notes

Not bleached. Α2 B22 No CO3.

Observation Notes

Duplex red brown. No CO3. NCBS.

Site Notes

Cliff Stacey. Grazing paddock, sorrel and grassas on footslope of slight rise.

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Laboratory Test Results:

Depth	pH	1:5 EC	Evol	hangeable	Cations		xchangeable	CEC	ECEC	ESP
m	рп	dS/m		nangeable Mg	K	Na Cmol (+)	Acidity	CEC	ECEC	% %
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.84B 4.83B 5.05B 5.34B 6.04B 6.96B		5.28K 5.11K 2.57K 2.36K	1.28 1.27 0.92 1.54	1 0.62 0.38 0.46	0.15 0.21 0.17 0.45				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3		cle 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