

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV36 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	02/06/88	Elevation:	135 metres
Map Ref.:	Sheet No. : 8025 1:100000	Rainfall:	No Data
Northing/Long.:	5998200 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	400600 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	20 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1.5 %	Aspect:	200 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN
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: 2-10%, fine gravelly, 2-6mm, subangular,

Profile Morphology

A1	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Loam (Heavy);
B1	0.15 - 0.2 m	Dark brown (10YR3/3-Moist); ; Clay loam;
B21	0.2 - 0.5 m	Brown (10YR4/3-Moist); ; Medium clay;
B22	0.5 - 0.8 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay;

Morphological Notes

Observation Notes

Burkners wheat paddock. Grey clay with loamy surface and no carbonate

Site Notes

Tungamah

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	4.88B		6.06K	1.73	0.74	0.26			
0.1 - 0.2	5.55B		6.3K	3.02	0.5	0.96			
0.2 - 0.3	5.91B		6.97K	4.42	0.53	1.65			
0.3 - 0.4	6.55B		10.52K	8.5	0.8	3.73			
0.4 - 0.5	7.1B								
0.7 - 0.8	7.6B								

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Laboratory Analyses Completed for this profile

13_NR_AL	Extractable Al(%) - Not recorded
13_NR_MN	Extractable Mn(%) - Not recorded
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct