

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV86 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	24/08/88	Elevation:	180 metres
Map Ref.:	Sheet No. : 8025 1:100000	Rainfall:	No Data
Northing/Long.:	5978600 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	409900 Datum: AGD66	Drainage:	Poorly 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Hills
Morph. Type:	Simple-slope	Relief:	50 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	50 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	DY
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Brown (10YR4/3-Moist); ; Loamy sand; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Very few (0 - 2 %), Ferruginous, , Nodules;
A2	0.2 - 0.4 m	Light brown (7.5YR6/4-Moist); Pink (7.5YR7/4-Dry); ; Loamy sand (Light); 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Very few (0 - 2 %), Ferruginous, , Crystals;
B21	0.4 - 0.5 m	Pale brown (10YR6/3-Moist); , 5YR56, 10-20% , 5-15mm, Distinct; Sandy clay loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Very few (0 - 2 %), Ferruginous, , Nodules;
B22	0.5 - 0.6 m	Brown (10YR5/3-Moist); , 7.5YR56, 10-20% , 5-15mm, Distinct; Sandy clay loam (Light);
B23	0.6 - 0.8 m	Yellowish brown (10YR5/4-Moist); ; Light clay;

Morphological Notes

A2	Cons. Bleached
B22	No CO3

Observation Notes

John Alexander. Patchy lupin crop on footslope 1km from crest of granite hills. Similar to Devenish/Lake Rowan, Yellow

Site Notes

Bungeet West

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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	4.95B		3.42K	0.36	0.6	0.06			
0.1 - 0.2	4.6B		1.6K	0.25	0.26	0.08			
0.2 - 0.3	5.34B		0.88K	0.22	0.13	0.12			
0.3 - 0.4	5.65B		1.29K	1.05	0.18	0.55			
0.4 - 0.5	5.48B								
0.7 - 0.8	6.33B								

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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