

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV80 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|-------------------------|
| Desc. By: | C.J. Chartres | Locality: | |
| Date Desc.: | 24/08/88 | Elevation: | 135 metres |
| Map Ref.: | Sheet No. : 8025 1:100000 | Rainfall: | No Data |
| Northing/Long.: | 5989600 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 403900 Datum: AGD66 | Drainage: | Moderately well 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: | No Data | Pattern Type: | Rises |
| Morph. Type: | Flat | Relief: | 2 metres |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | 240 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: | DR |
| | | Great Soil Group: | N/A |

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|-------------|---|
| Ap | 0 - 0.1 m | Dark reddish brown (5YR3/2-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; |
| A2 | 0.1 - 0.3 m | Dark reddish brown (5YR3/4-Moist); ; Clay loam, fine sandy; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; |
| B21 | 0.3 - 0.5 m | Dark reddish brown (5YR3/4-Moist); ; Light clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; |
| B22 | 0.5 - 0.8 m | Yellowish red (5YR4/6-Moist); , 10YR6/6, 2-10% , 0-5mm, Distinct; Light clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; |

Morphological Notes

B22 CO3 nodules at 65cm depth.

Observation Notes

Rowena. Oats crop advanced. Text contrast Red brown soil, CO3. RBE.

Site Notes

Lake Rowan

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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 | 4.85B | | 5.04K | 1.64 | 0.68 | 0.34 | | | |
| 0.1 - 0.2 | 5.26B | | 4.84K | 3.23 | 0.55 | 1.24 | | | |
| 0.2 - 0.3 | 6.43B | | 8.94K | 8.62 | 1 | 3.7 | | | |
| 0.3 - 0.4 | 6.81B | | 9.11K | 9.54 | 1.09 | 4.33 | | | |
| 0.4 - 0.5 | 7.11B | | | | | | | | |
| 0.7 - 0.8 | 7.71B | | | | | | | | |

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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 |