

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV81 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

|                        |                           |                   |                         |
|------------------------|---------------------------|-------------------|-------------------------|
| <b>Desc. By:</b>       | C.J. Chartres             | <b>Locality:</b>  |                         |
| <b>Date Desc.:</b>     | 24/08/88                  | <b>Elevation:</b> | 135 metres              |
| <b>Map Ref.:</b>       | Sheet No. : 8025 1:100000 | <b>Rainfall:</b>  | No Data                 |
| <b>Northing/Long.:</b> | 5985200 AMG zone: 55      | <b>Runoff:</b>    | Moderately rapid        |
| <b>Easting/Lat.:</b>   | 403900 Datum: AGD66       | <b>Drainage:</b>  | Moderately well drained |

**Geology**

|                      |              |                                    |         |
|----------------------|--------------|------------------------------------|---------|
| <b>ExposureType:</b> | Auger boring | <b>Conf. Sub. is Parent. Mat.:</b> | No Data |
| <b>Geol. Ref.:</b>   | No Data      | <b>Substrate Material:</b>         | No Data |

**Land Form**

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

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

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

**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**

|     |             |   |
|-----|-------------|---|
| Ap  | 0 - 0.2 m   | Brown (7.5YR4/4-Moist); ; Sandy loam (Light); 0-2%, fine gravelly, 2-6mm, angular platy, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Nodules;                                      |
| A2  | 0.2 - 0.3 m | Strong brown (7.5YR4/6-Moist); Light brown (7.5YR6/4-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, angular platy, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Crystals; |
| B21 | 0.3 - 0.5 m | Yellowish red (5YR5/6-Moist); ; Light clay; 0-2%, fine gravelly, 2-6mm, angular platy, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;                                      |
| B22 | 0.5 - 0.8 m | ; Clay loam, fine sandy (Light);  |

**Morphological Notes**

|     |              |
|-----|--------------|
| A2  | Not bleached |
| B22 | CO3 at 60cm  |

**Observation Notes**

Cashel. Grazing paddock, short grass>>weeds. Edge of slight local .5m closed depression. Sandier variant of RBE, sandier B22. Duplex red brown, CO3.

**Site Notes**

Lake Rowan

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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           |