

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN126 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|-------------------------|
| Desc. By: | G. W. Geeves | Locality: | |
| Date Desc.: | 27/09/88 | Elevation: | 340 metres |
| Map Ref.: | Sheet No. : 8327 1:100000 | Rainfall: | No Data |
| Northing/Long.: | 6083200 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 541400 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: | Undulating low hills 30-90m 3-10% | Pattern Type: | Low hills |
| Morph. Type: | Crest | Relief: | 40 metres |
| Elem. Type: | Hillcrest | Slope Category: | Gently inclined |
| Slope: | 3 % | Aspect: | 90 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: | DY3.21 |
| | | Great Soil Group: | Yellow podzolic soil |

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: 10-20%, coarse gravelly, 20-60mm, angular, Rock outcrop

Profile Morphology

| | | |
|----|--------------|---|
| Ap | 0 - 0.2 m | Dark brown (7.5YR3/4-Moist); ; Coarse sandy loam; 20-50%, cobbly, 60-200mm, subangular platy, coarse fragments; |
| A2 | 0.2 - 0.35 m | Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Coarse sandy loam; 20-50%, medium gravelly, 6-20mm, subangular platy, coarse fragments; |
| B2 | 0.4 - 0.7 m | Yellowish brown (10YR5/8-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Coarse sandy clay; |

Morphological Notes

| | |
|----|------------------------------|
| Ap | Stoney. |
| A2 | Pale A2, stonelayer 35-40cm. |

Observation Notes

Duplex red/yellow profile, surface coarse fragments, mostly sandstone. Weak A2, no CO3. Red Podzolic/Yellow Podzolic.

Site Notes

Wagga Wagga

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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 | 4.11B | | 1.16K | 0.61 | 0.25 | 0.38 | | | |
| 0.1 - 0.2 | 4.31B | | 1.04K | 0.65 | 0.21 | 0.37 | | | |
| 0.2 - 0.3 | 4.35B | | 0.73K | 0.83 | 0.18 | 0.05 | | | |
| 0.3 - 0.4 | 4.27B | | 0.58K | 1.6 | 0.16 | 0.15 | | | |
| 0.4 - 0.5 | 4.25B | | | | | | | | |
| 0.7 - 0.8 | 4.77B | | | | | | | | |

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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_AL | Exchangeable aluminium - method 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 |