

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN199 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|-------------------------|
| Desc. By: | G. W. Geeves | Locality: | Coolamon |
| Date Desc.: | 15/05/89 | Elevation: | 300 metres |
| Map Ref.: | Sheet No. : 8328 1:100000 | Rainfall: | No Data |
| Northing/Long.: | 6147200 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 524600 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 rises 9-30m 3-10% | Pattern Type: | Rises |
| Morph. Type: | Mid-slope | Relief: | 30 metres |
| Elem. Type: | Hillslope | Slope Category: | Gently inclined |
| Slope: | 4 % | Aspect: | 30 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: | Gn2.12 |
| | | Great Soil Group: | 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: 10-20%, cobbly, 60-200mm, subangular, Quartz

Profile Morphology

| | | |
|-----|-------------|--|
| Ap | 0 - 0.1 m | Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam (Heavy); 10-20%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; Gradual change to - |
| AB | 0.1 - 0.3 m | Yellowish red (5YR4/6-Moist); ; Clay loam; 20-50%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; Gradual change to - |
| B21 | 0.3 - 0.6 m | Yellowish red (5YR4/6-Moist); ; Sandy light clay; 20-50%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; 20-50%, coarse gravelly, 20-60mm, angular, Shale, coarse fragments; Diffuse change to - |
| B22 | 0.6 - 0.8 m | Dark greyish brown (10YR4/2-Moist); ; Clay loam; 50-90%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; |

Morphological Notes

| | |
|-----|--------------------------|
| AB | stoney |
| B21 | stoney |
| B22 | decomposing roots, shale |

Observation Notes

Gradational reddish stoney profile with heavier B horizon than the previous Red Earths. Intergrade to red podzolic?

Site Notes

Owner: John Manrahan. Reasonable cover of grasses, weeds and clover on rocky midslope 300 m from crest of quartzite ridge. Common quartz rocks about 5 cm, angular colluvium from stoney ridge.

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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 |