| Project Name: | Acids Soils in South Eastern Australia | | | | |
|---------------|--|----------|-------|--|--|
| Project Code: | AcidSoils | Site ID: | AN167 | | |
| Agency Name: | CSIRO Land and Water (ACT) | | | | |

Observation ID: 1

| Site In | formatior | n | | | | | |
|---|--|---|--|--|--|--|--|
| Desc. B | By: | G. W. Geeves | Locality: | | | | |
| Date De | | 10/10/88 | Elevation: | 240 metres | | | |
| Map Re | g/Long.: | Sheet No. : 8328 1:100000 6128400 AMG zone: 55 | Rainfall: Runoff: | No Data Modoratoly rapid | | | |
| Easting | | 512700 Datum: AGD66 | Drainage: | Moderately rapid Moderately well drained | | | |
| Geolog | • | | Datum. AGDoo Dramage: Moderately well dramed | | | | |
| - | ireType: | Auger boring | Conf. Sub. is Pare | nt. Mat.: No Dat | а | | |
| Geol. R | | No Data | Substrate Materia | | - | | |
| Land F | orm | | | | | | |
| | pe Class: | Gently undulating rises 9-30m 1-3% | Pattern Type: | Rises | | | |
| Morph. | Type: | No Data | Relief: | 10 metres | | | |
| | Elem. Type: Hillcrest | | Slope Category: | Level | | | |
| Slope: | | 0 % | Aspect: | No Data | | | |
| <u>Surfac</u> | e Soil Co | ondition (dry): | | | | | |
| Erosio | <u>n:</u> | | | | | | |
| Soil Cl | assificati | ion | | | | | |
| Australian Soil Classification: Mapping Unit: N/A | | | | | | | |
| Austral | ian Soil Cl | lassification: | Mappi | ing Unit: | N/A | | |
| Austral i N/A | ian Soil Cl | lassification: | | ng Unit: pal Profile Form: | N/A GN2.11 | | |
| N/A ASC Co | onfidence | : | Princi | - | | | |
| N/A ASC Co Confide | onfidence ence level r | : not specified | Princi Great | pal Profile Form: Soil Group: | GN2.11 N/A | | |
| N/A ASC Co Confide <u>Site Di</u> | onfidence ence level r sturbanc | : | Princi Great | pal Profile Form: Soil Group: | GN2.11 N/A | | |
| N/A ASC Co Confide | onfidence ence level r sturbanc | : not specified : <u>e:</u> Complete clearing. Pasture, | Princi Great native or improved, cult | pal Profile Form: Soil Group: ivated at some stag | GN2.11 N/A | | |
| N/A ASC Co Confide <u>Site Di</u> Vegeta | onfidence ence level r sturbanc ation: | : not specified : <u>e:</u> Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 | Princi Great native or improved, cult 25m, Mid-dense. *Specie | pal Profile Form: Soil Group: ivated at some stag | GN2.11 N/A | | |
| N/A ASC Co Confide <u>Site Di</u> <u>Vegeta</u> Surfac | onfidence ence level r sturbanc ation: e Coarse | : not specified : <u>e:</u> Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 : <u>e Fragments:</u> No surface coar | Princi Great native or improved, cult 25m, Mid-dense. *Specie | pal Profile Form: Soil Group: ivated at some stag | GN2.11 N/A | | |
| N/A ASC Co Confide <u>Site Di</u> <u>Vegeta</u> <u>Surfac</u> <u>Profile</u> | onfidence ence level r sturbanc tion: e Coarse Morphol | : not specified :e: Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 :e Fragments: No surface coar logy | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments | pal Profile Form: Soil Group: ivated at some stag es includes - None F | GN2.11 N/A le Recorded | | |
| N/A ASC Co Confide <u>Site Di</u> <u>Vegeta</u> Surfac | onfidence ence level r sturbanc ation: e Coarse | : not specified :e: Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 :e Fragments: No surface coar logy | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments Moist); ; Coarse sandy Ic | pal Profile Form: Soil Group: ivated at some stag es includes - None F | GN2.11 N/A le Recorded | | |
| N/A ASC Co Confide <u>Site Di</u> <u>Vegeta</u> <u>Surfac</u> <u>Profile</u> | onfidence ence level r sturbanc tion: e Coarse Morphol | : not specified : <u>e:</u> Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 : <u>Fragments:</u> No surface coar logy Yellowish red (5YR4/6-N subangular, Granite, coa | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments Moist); ; Coarse sandy lo arse fragments; Sandy clay loam, fine s | pal Profile Form: Soil Group: ivated at some stag es includes - None F eam; 10-20%, mediu | GN2.11 N/A Recorded Im gravelly, 6-20mm, | | |
| N/A ASC Cd Confide <u>Site Di</u> <u>Vegeta</u> <u>Surfac</u> <u>Profile</u> Ap | onfidence ence level r sturbanc ation: e Coarse <u>Morphol</u> 0 - 0.1 m | : not specified :e: Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 :e Fragments: No surface coar logy Yellowish red (5YR4/6-N subangular, Granite, coar m Red (2.5YR4/6-Moist); ; subangular, Granite, coar | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments Moist); ; Coarse sandy lo arse fragments; Sandy clay loam, fine s arse fragments; -Moist); ; Clay loam, coa | pal Profile Form: Soil Group: ivated at some stag es includes - None F nam; 10-20%, mediu andy; 20-50%, med | GN2.11 N/A Recorded Im gravelly, 6-20mm, | | |
| N/A ASC Co Confide Site Di Vegeta Surfac Profile Ap B21 B22 | onfidence: ence level r sturbanc ttion: e Coarse Morphol 0 - 0.1 m 0.1 - 0.5 r 0.5 - 0.8 r | : not specified :e: Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 : Fragments: No surface coar logy Yellowish red (5YR4/6-M subangular, Granite, coa m Red (2.5YR4/6-Moist); ; subangular, Granite, coa m Strong brown (7.5YR5/6 subangular, Granite, coa | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments Moist); ; Coarse sandy lo arse fragments; Sandy clay loam, fine s arse fragments; -Moist); ; Clay loam, coa | pal Profile Form: Soil Group: ivated at some stag es includes - None F nam; 10-20%, mediu andy; 20-50%, med | GN2.11 N/A le Recorded Im gravelly, 6-20mm, ium gravelly, 6-20mm, | | |
| N/A ASC Co Confide <u>Site Di</u> Vegeta <u>Surfac</u> <u>Profile</u> Ap B21 B22 | onfidence: ence level r sturbanc ttion: e Coarse <u>Morphol</u> 0 - 0.1 m 0.1 - 0.5 r | : not specified :e: Complete clearing. Pasture, Tall Strata - Sod grass, <0.2 : Fragments: No surface coar logy Yellowish red (5YR4/6-M subangular, Granite, coa m Red (2.5YR4/6-Moist); ; subangular, Granite, coa m Strong brown (7.5YR5/6 subangular, Granite, coa | Princi Great native or improved, cult 25m, Mid-dense. *Specie rse fragments Moist); ; Coarse sandy lo arse fragments; Sandy clay loam, fine s arse fragments; -Moist); ; Clay loam, coa | pal Profile Form: Soil Group: ivated at some stag es includes - None F nam; 10-20%, mediu andy; 20-50%, med | GN2.11 N/A le Recorded Im gravelly, 6-20mm, ium gravelly, 6-20mm, | | |

Observation Notes Poor grazing, Capeweed=barley grass=clover, on crest of small rise. Similar to AN162 to AN165 but stoney. Gradational red profile. Stoney Red Earth.

Site Notes

Currawarna

| Project Name: | Acids Soils in | а | | |
|---------------|----------------|-------------|-------|-----------------|
| Project Code: | AcidSoils | Site ID: | AN167 | Observation ID: |
| Agency Name: | CSIRO Land a | nd Water (A | CT) | |

Laboratory Test Results:

| Depth | рН | 1:5 EC | | hangeable | e Cations K | E Na | xchangeable Acidity | CEC | ECEC | ESP |
|--|---|--------------|---------------------------------|------------------------------|---------------------------|------------------------------|------------------------|---------------|------------------|-----------------------|
| m | | dS/m | Ca | Mg | n | Na Cmol (+) | | | | % |
| 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8 | 4.29B 4.6B 5.25B 5.47B 5.57B 5.38B | | 2.24K 3.13K 4.64K 5.3K | 0.54 1.17 2.38 3.54 | 0.8 0.74 0.8 0.8 | 0.07 0.06 0.07 0.07 | | | | |
| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Parti GV C | cle Size S FS | Analysis Silt Clay |
| m | % | % | г mg/kg | ۲ % | % | к % | Mg/m3 | GV C | ж % | Silt Clay |
| 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8 | | | | | | | | | | |
| Depth | COLE | | Grav | imetric/Vo | olumetric V | Vater Cont | ents | | K sat | K unsat |
| m | | Sat. | 0.05 Bar | 0.1 Bar g/ | 0.5 Bar g - m3/m | 1 Bar 3 | 5 Bar 15 I | | mm/h | mm/h |
| 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 | | | | | | | | | | |

1

0.4 - 0.5 0.7 - 0.8

Project Name: Acids Soils in South Eastern Australia Project Code: AcidSoils Site ID: AN167 Agency Name: **CSIRO Land and Water (ACT)**

Observation ID: 1

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 15_NR_K
- Exchangeable aluminium method not recorded Exch. basic cations (Ca++) meq per 100g of soil Not recorded Exch. basic cations (K++) meq per 100g of soil Not recorded Exch. basic cations (Mg++) meq per 100g of soil Not recorded Exch. basic cations (Na++) meq per 100g of soil Not recorded pH of 1:5 soil/0.01M calcium chloride extract direct 15_NR_MG
- 15_NR_NA
- 4B1