

Project Name: Shire of Kowree, Vic
Project Code: SK **Site ID:** A16 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

| | | | |
|------------------------|-------------------|-------------------|---------------------|
| Desc. By: | G. Blackburn | Locality: | |
| Date Desc.: | 21/11/53 | Elevation: | 152 metres |
| Map Ref.: | 1:250000 | Rainfall: | 540 |
| Northing/Long.: | 141.168888888889 | Runoff: | Slow |
| Easting/Lat.: | -36.8736111111111 | Drainage: | Imperfectly drained |

Geology

| | | | |
|----------------------|---------|------------------------------------|---------|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|--------------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Plain |
| Morph. Type: | Flat | Relief: | 6 metres |
| Elem. Type: | Plain | Slope Category: | Very gently sloped |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|--------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Calcic Mottled-Hypernatric Brown Sodosol | | Principal Profile Form: | Dy3.83 |
| ASC Confidence: | | Great Soil Group: | Solodic soil |
| Analytical data are incomplete but reasonable confidence. | | | |

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus leucoxylon

Surface Coarse Fragments:

Profile Morphology

| | |
|---------------|--|
| 0 - 0.08 m | Light brownish grey (10YR6/2-Moist); ; Fine sand; , Granular; Very weak consistence; |
| 0.15 - 0.28 m | Very pale brown (10YR7/3-Moist); ; Fine sand; Very firm consistence; |
| 0.3 - 0.35 m | Yellowish brown (10YR5/6-Moist); , 10YR61; , 10R56; Medium clay; Massive grade of structure; Firm consistence; |
| 0.83 - 0.9 m | Olive yellow (5Y6/6-Moist); ; Medium clay; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; |

Morphological Notes

Observation Notes

LAYERS RENUMBERED 10/11/92

Site Notes

LOWAN S & L.U. No 17. Map Site 16

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Laboratory Test Results:

| Depth m | pH | 1:5 EC dS/m | Ca | Exchangeable Mg | Cations K | Na Cmol (+)/kg | Exchangeable Acidity | CEC | ECEC | ESP % |
|-------------|------|----------------|------|--------------------|--------------|-------------------|-------------------------|-----|------|----------|
| 0 - 0.08 | 5.7A | 0.016C | 2F | 1 | 0.18 | 0.21 | | | | |
| 0.15 - 0.28 | | | | | | | | | | |
| 0.3 - 0.35 | 6.2A | 0.109C | 4.4F | 8.2 | 0.44 | 4.5 | | | | |
| 0.83 - 0.9 | 9A | 0.272C | | | | | | | | |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle | Size | Analysis | | |
|-------------|-------|---------|--------|--------|--------|-------|---------|----------|------|----------|------|------|
| m | % | C | P | P | N | K | Density | GV | CS | FS | Silt | Clay |
| | | % | mg/kg | % | % | % | Mg/m3 | | | % | | |
| 0 - 0.08 | | | | 0.007F | 0.111C | | | | | | | |
| 0.15 - 0.28 | | | | | | | | | | | | |
| 0.3 - 0.35 | | | | 0.007F | 0.051C | | | | | | | |
| 0.83 - 0.9 | | | | 0.005F | 0.021C | | | | | | | |

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|---------|---|
| 15D1_CA | Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach |
| 15D1_K | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach |
| 15D1_MG | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach |
| 15D1_NA | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach |
| 2_LOI | Loss on Ignition (%) |
| 2A1 | Air-dry moisture content |
| 3A_TSS | Electrical conductivity or soluble salts - Total soluble salts % |
| 4A1 | pH of 1:5 soil/water suspension |
| 5A2 | Chloride - 1:5 soil/water extract, automated colour |
| 7_C_B | Total Nitrogen - method description not recorded |
| 9A_NR | Total element - P(%) - Not recorded |