

Project Name: NSF
Project Code: NSF Site ID: VW32 Observation ID: 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

| | | | |
|-----------------|------------------|------------|---------|
| Desc. By: | | Locality: | |
| Date Desc.: | // | Elevation: | No Data |
| Map Ref.: | | Rainfall: | 0 |
| Northing/Long.: | 142.666666666667 | Runoff: | No Data |
| Easting/Lat.: | -35.066666666667 | Drainage: | No Data |

Geology

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

Land Form

| | | | |
|------------------|---------|-----------------|---------|
| Rel/Slope Class: | No Data | Pattern Type: | No Data |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | No Data | Slope Category: | No Data |
| Slope: | % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|---------------------------------|--|-------------------------|----------------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| N/A | | Principal Profile Form: | Gc1.22 |
| ASC Confidence: | | Great Soil Group: | Solonized brown soil |
| Confidence level not specified | | | |

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | |
|-------------|--|
| 0 - 0.2 m | Yellowish red (5YR4/6-Moist); ; Loamy sand; Massive grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to - |
| 0.2 - 0.4 m | Yellowish red (5YR5/6-Moist); ; Sandy loam; Massive grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations; |
| 0.4 - 0.7 m | Yellowish red (5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations; |
| 0.7 - 1 m | Yellowish red (5YR5/8-Moist); ; Sandy medium clay; Massive grade of structure; Many (20 - 50 %), Calcareous, , Concretions; |
| 1 - 1.1 m | Yellowish red (5YR5/8-Moist); ; Sandy medium clay; Massive grade of structure; Many (20 - 50 %), Calcareous, , Concretions; |
| 1.1 - 1.4 m | ; |

Morphological Notes

Observation Notes

VW69/W12

Site Notes

MANANGATANG

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Ca | Exchangeable Mg | Cations K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|-----------|------|--------|------|-----------------|-----------|-------------|----------------------|-----|------|-----|
| m | | dS/m | | | | Cmol (+)/kg | | | | % |
| 0 - 0.1 | 8.6I | 0.11D | 4.3H | 0.8 | 0.4 | 0.4 | | | | |
| 0.1 - 0.2 | 8.8I | 0.12D | | | | | | | | |
| 0.2 - 0.3 | 9I | 0.18D | | | | | | | | |
| 0.3 - 0.4 | 9.3I | 0.26D | 6.5H | 8.4 | 1.2 | 4 | | | | |
| 0.4 - 0.5 | 9.5I | 0.31D | | | | | | | | |
| 0.5 - 0.6 | 9.7I | 0.36D | | | | | | | | |
| 0.6 - 0.7 | 9.8I | 0.61D | | | | | | | | |
| 0.7 - 0.8 | 9.9I | 0.68D | | | | | | | | |
| 0.8 - 0.9 | 9.9I | 0.73D | | | | | | | | |
| 0.9 - 1 | 9.8I | 0.85D | 3.3H | 5.3 | 1 | 4.9 | | | | |

| 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 - 0.1 | | 0.27A | | | 0.022A | | | | 48C | 41 | 3 | 8 |
| 0.1 - 0.2 | | 0.33A | | | 0.023A | | | | | | | |
| 0.2 - 0.3 | | 0.31A | | | 0.021A | | | | | | | |
| 0.3 - 0.4 | | 0.24A | | | 0.021A | | | | 35C | 23 | 4 | 29 |
| 0.4 - 0.5 | | 0.18A | | | 0.018A | | | | | | | |
| 0.5 - 0.6 | | 0.14A | | | 0.013A | | | | | | | |
| 0.6 - 0.7 | | 0.12A | | | 0.011A | | | | | | | |
| 0.7 - 0.8 | | 0.12A | | | 0.011A | | | | | | | |
| 0.8 - 0.9 | | 0.08A | | | 0.008A | | | | | | | |
| 0.9 - 1 | | 0.09A | | | 0.008A | | | | 31C | 19 | 3 | 22 |

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 15E1_CA | Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble |
| 15E1_K | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_MG | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_NA | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 3_C_B | Electrical conductivity or soluble salts - Total soluble salts % |
| 4A_C_2.5 | pH of soil - pH of 1:2.5 soil/water suspension |
| 5_C_B | Water soluble Chloride - Method recorded as B |
| 6A1 | Organic carbon - Walkley and Black |
| 7A2 | Total nitrogen - semimicro Kjeldahl , automated colour |
| MIN_EC | Exchange Capacity - Minerology |
| P10_NR_C | Clay (%) - Not recorded |
| P10_NR_CS | Coarse sand (%) - Not recorded |
| P10_NR_FS | Fine sand (%) - Not recorded |
| P10_NR_Z | Silt (%) - Not recorded |
| XRD_C_II | Illite - X-Ray Diffraction |
| XRD_C_Is | Interstratified clay minerals - X-Ray Diffraction |
| XRD_C_Ka | Kaolin - X-Ray Diffraction |
| XRD_C_Qz | Quartz - X-Ray Diffraction |