

Project Name: SOU
Project Code: SOU **Site ID:** P743 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

| | | | |
|------------------------|------------------------------|-------------------|---|
| Desc. By: | H.M. Churchwood | Locality: | Break Road 1.2KM south of junction with Romance Road: |
| Date Desc.: | 03/11/82 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 2328 1:100000 | Rainfall: | 0 |
| Northing/Long.: | 117.083333333333 | Runoff: | No Data |
| Easting/Lat.: | -34.85 | Drainage: | No Data |

Geology

| | | | |
|-----------------------|----------|------------------------------------|---------|
| Exposure Type: | Soil pit | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Granite |

Land Form

| | | | |
|-------------------------|-----------|------------------------|---------------------|
| Rel/Slope Class: | No Data | Pattern Type: | No Data |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Moderately inclined |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | |
|---|--------------------------------|--------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Dystrophic Yellow Kurosol | Principal Profile Form: | Dy5.41 |
| ASC Confidence: | Great Soil Group: | N/A |
| Analytical data are incomplete but reasonable confidence. | | |

Site Disturbance:

Vegetation:

Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | |
|--------------|--|
| 0 - 0.05 m | Brown (10YR4/3-Moist); ; Loamy sand; Single grain grade of structure; Loose consistence; 2-10%, Substrate material, coarse fragments; |
| 0.05 - 0.1 m | Greyish brown (10YR5/2-Moist); ; Loamy sand; Single grain grade of structure; Loose consistence; 2-10%, Quartz, coarse fragments; |
| 0.1 - 0.2 m | Pale brown (10YR6/3-Moist); ; Loamy sand; Single grain grade of structure; Loose consistence; |
| 0.3 - 0.4 m | Brownish yellow (10YR6/8-Moist); , 10YR43; Light clay; Moderate grade of structure, 2-5 mm, Angular blocky; Strong consistence; 2-10%, Quartz, coarse fragments; |
| 0.4 - 0.5 m | Brownish yellow (10YR6/8-Moist); , 10YR43; Light clay; Moderate grade of structure, 2-5 mm, Angular blocky; Weak consistence; 2-10%, Quartz, coarse fragments; |
| 0.5 - 0.6 m | Reddish yellow (7.5YR6/8-Moist); , 5YR44; Light clay; Weak grade of structure, 5-10 mm, Angular blocky; Weak consistence; 2-10%, Quartz, coarse fragments; |
| 0.6 - 0.7 m | Strong brown (7.5YR5/6-Moist); , 10YR68; Light clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; 2-10%, Quartz, coarse fragments; |

Morphological Notes

Observation Notes

0-5CM GRAVEL FERRUGINISED:60-70CM VERY COMPACT:

Site Notes

Observation ID: 1

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 - 0.05 | 5.3A | 0.003A | 0.62K | 0.61 | 0.12 | 0.12 | | | |
| 0.05 - 0.1 | 5.1A | 0.003A | | | | | | | |
| 0.3 - 0.4 | 5.1A | 0.003A | 0.01K | 0.22 | 0.05 | 0.14 | | | |
| 0.5 - 0.6 | 5.4A | 0.003A | | | | | | | |
| 0.6 - 0.7 | 5.4A | 0.003A | 0.01K | 0.06 | 0.02 | 0.11 | | | |

| 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 - 0.05 | | 2.8D | | | | | | | | | | |
| 0.05 - 0.1 | | | | | | | | | | | | |
| 0.3 - 0.4 | | | | | | | | | 39D | 10 | 6 | 46 |
| 0.5 - 0.6 | | | | | | | | | | | | |
| 0.6 - 0.7 | | | | | | | | | 48D | 16 | 11 | 27 |

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|--|
| 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 |
| 3A1 | EC of 1:5 soil/water extract |
| 4A1 | pH of 1:5 soil/water suspension |
| 5A2 | Chloride - 1:5 soil/water extract, automated colour |
| 6A1_UC | Organic carbon (%) - Uncorrected Walkley and Black method |
| P10_PB_C | Clay (%) - Plummet balance |
| P10_PB_CS | Coarse sand (%) - Plummet balance |
| P10_PB_FS | Fine sand (%) - Plummet balance |
| P10_PB_Z | Silt (%) - Plummet balance |