

Project Name: PIN
Project Code: PIN **Site ID:** P235 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|---|
| Desc. By: | E. Bettenay | Locality: | 3 chains south of road No.1811 and 1.6KM + 30 chains east of South Western Highway: |
| Date Desc.: | 24/05/55 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 2032 1:100000 | Rainfall: | 0 |
| Northing/Long.: | 115.881388888889 | Runoff: | Slow |
| Easting/Lat.: | -32.8175 | Drainage: | Poorly drained |

Geology

| | | | |
|----------------------|----------|------------------------------------|--|
| ExposureType: | Soil pit | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Unconsolidated material (unidentified) |

Land Form

| | | | |
|-------------------------|---------|------------------------|----------------|
| Rel/Slope Class: | No Data | Pattern Type: | Alluvial plain |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|--------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Ferric Mesotrophic Grey Chromosol | | Principal Profile Form: | N/A |
| ASC Confidence: | | Great Soil Group: | Podzol |
| All necessary analytical data are available. | | | |

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - , , . *Species includes - Hakea species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|----------------|--|
| A1 | 0 - 0.025 m | Dark grey (5Y4/1-Moist); ; Sand (Fibric); Loose consistence; Field pH 6 (pH meter); Diffuse, Smooth change to - |
| A2 | 0.025 - 0.33 m | Light brownish grey (10YR6/2-Moist); ; Sand; Loose consistence; Field pH 5.5 (pH meter); Diffuse, Smooth change to - |
| B1 | 0.33 - 0.43 m | Light brownish grey (10YR6/2-Moist); , 10YR53; Sandy medium clay; Massive grade of structure; Dry; Firm consistence; Slightly plastic; Normal plasticity; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 5 (pH meter); Clear, Smooth change to - |
| B2 | 0.43 - 0.53 m | Light olive grey (5Y6/2-Moist); , 10YR53; , 10YR56; Sandy medium clay; Massive grade of structure; Dry; Firm consistence; Slightly plastic; Normal plasticity; 50-90%, Substrate material, coarse fragments; Clear, Smooth change to - |
| B3 | 0.53 - 1.14 m | Strong brown (7.5YR5/8-Moist); , 5Y82; Sandy medium clay; Massive grade of structure; Dry; Firm consistence; Slightly plastic; Normal plasticity; Few (2 - 10 %), Ferruginous, , Concretions; Field pH 6.5 (pH meter); |
| | 1.14 - 1.4 m | Strong brown (7.5YR5/8-Moist); , 10YR58; , 5YR44; Sandy medium clay; Massive grade of structure; Firm consistence; Slightly plastic; Normal plasticity; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 6 (pH meter); |
| | 1.4 - 1.9 m | Light olive grey (5Y6/2-Moist); , 10YR58; Massive grade of structure; Firm consistence; Slightly plastic; Normal plasticity; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Concretions; |

Morphological Notes

Observation Notes

33-53CM AL GV IS FERRUGINOUS:

Site Notes

DRAKESBROOK

Observation ID: 1

[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_H | Hydrogen Cation - 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 |
| 17A_NR | Total element - K(%) - Not recorded |
| 2_LOI | Loss on Ignition (%) |
| 2A1 | Air-dry moisture content |
| 3A1 | EC of 1:5 soil/water extract |
| 4_NR | pH of soil - Not recorded |
| 5A2 | Chloride - 1:5 soil/water extract, automated colour |
| 6A1 | Organic carbon - Walkley and Black |
| 7_NR | Total nitrogen (%) - Not recorded |
| 9A_NR | Total element - P(%) - Not recorded |
| P10_GRAV | Gravel (%) |
| 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 |