

Project Name: WQA
Project Code: WQA **Site ID:** B584 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|------------------|
| Desc. By: | G.D. Hubble | Locality: | |
| Date Desc.: | 01/09/69 | Elevation: | 100 metres |
| Map Ref.: | Sheet No. : 6550 1:100000 | Rainfall: | 203 |
| Northing/Long.: | 138.483333333333 | Runoff: | Moderately rapid |
| Easting/Lat.: | -23.85 | Drainage: | Rapidly drained |

Geology

| | | | |
|----------------------|--------------|------------------------------------|-------------------------------|
| ExposureType: | Auger boring | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | Czs | Substrate Material: | Auger boring, 0.2 m deep,Sand |

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|-----------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | Dunefield |
| Morph. Type: | Crest | Relief: | 9 metres |
| Elem. Type: | Dune | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|----------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| No Available Class Siliceous Arenic Rudosol | | Principal Profile Form: | Uc1.23 |
| ASC Confidence: | | Great Soil Group: | Siliceous sand |
| No analytical data are available but confidence is fair. | | | |

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Hummock grass, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|---|-------------|---|
| A | 0 - 0.2 m | Red (2.5YR5/6-Dry); ; Fine sand; Single grain grade of structure; Dry; Loose consistence; Gradual change to - |
| C | 0.2 - 0.3 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 0.3 - 0.6 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 0.6 - 0.9 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 0.9 - 1.2 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 1.2 - 1.5 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 1.5 - 1.8 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 1.8 - 2.1 m | Red (2.5YR4/6-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Loose consistence; |

Morphological Notes

Observation Notes

CREST 70% BARE OF VEGETATION. RED SILICEOUS SAND.

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable | CEC | ECEC | ESP |
|-----------|------|--------|----------------------|----|---|--------------|---------|------|-----|
| m | | dS/m | Ca | Mg | K | Na | Acidity | | % |
| | | | | | | Cmol (+)/kg | | | |
| 0 - 0.2 | 6.9H | 0.01B | | | | | | | |
| 0.2 - 0.3 | 7H | 0.01B | | | | | | | |
| 0.3 - 0.6 | 7H | 0.01B | | | | | | | |
| 0.6 - 0.9 | 7H | 0.01B | | | | | | | |
| 0.9 - 1.2 | 6.8H | 0.01B | | | | | | | |
| 1.2 - 1.5 | 6.4H | 0.01B | | | | | | | |
| 1.5 - 1.8 | 6.6H | 0.01B | | | | | | | |
| 1.8 - 2.1 | 6.7H | 0.01B | | | | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size | | Analysis | |
|-----------|-------|-----------|----------|---------|---------|---------|--------------|---------------|----|----------|-----------|
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV | CS | FS | Silt Clay |
| 0 - 0.2 | | 0.01E | 6B | 0.008F | 0.01B | 0.33B | | | | | |
| 0.2 - 0.3 | | | | | | | | | | | |
| 0.3 - 0.6 | | | | | | | | | | | |
| 0.6 - 0.9 | | 0.03E | | | | | | | | | |
| 0.9 - 1.2 | | | | | | | | | | | |
| 1.2 - 1.5 | | | | | | | | | | | |
| 1.5 - 1.8 | | | | | | | | | | | |
| 1.8 - 2.1 | | 0.02E | | 0.011F | 0.005B | 0.35B | | | | | |

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|---------|---|
| 10A_NR | Total element - S(%) - Not recorded |
| 17A_NR | Total element - K(%) - Not recorded |
| 2_LOI | Loss on Ignition (%) |
| 3_NR | Electrical conductivity or soluble salts - Not recorded |
| 4_NR | pH of soil - Not recorded |
| 5_NR | Water soluble Chloride - Cl(%) - Not recorded |
| 6Z | Organic carbon (%) - Not recorded |
| 7_NR | Total nitrogen (%) - Not recorded |
| 9A_NR | Total element - P(%) - Not recorded |
| 9G_BSES | Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) |