

Project Name: FGR
Project Code: FGR **Site ID:** TL39 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|------------------|-------------------|--------------------------------------|
| Desc. By: | J.R. Sleeman | Locality: | 57km north of Bunda Bunda Homestead: |
| Date Desc.: | 12/09/53 | Elevation: | 90 metres |
| Map Ref.: | | Rainfall: | 533 |
| Northing/Long.: | 142.283333333333 | Runoff: | Slow |
| Easting/Lat.: | -19.5 | Drainage: | Well drained |

Geology

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

Land Form

| | | | |
|-------------------------|-----------------------------------|------------------------|--------------------|
| Rel/Slope Class: | Gently undulating plains <9m 1-3% | Pattern Type: | No Data |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Hillcrest | Slope Category: | Very gently sloped |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--------------------------------|--------------------------------|----------------|
| Australian Soil Classification: | N/A | Mapping Unit: | N/A |
| ASC Confidence: | Confidence level not specified | Principal Profile Form: | Uc4 |
| | | Great Soil Group: | Siliceous sand |

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. *Species includes - Aristida species
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Grevillea pteridifolia, Acacia species

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|---------------|---|
| A1 | 0 - 0.1 m | Dark greyish brown (10YR4/2-Dry); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Diffuse change to - |
| A2 | 0.1 - 0.28 m | Brown (10YR5/3-Dry); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Diffuse change to - |
| A2 | 0.28 - 0.56 m | Light yellowish brown (10YR6/4-Dry); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Diffuse change to - |
| B | 0.56 - 0.79 m | Brownish yellow (10YR6/6-Dry); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Diffuse change to - |
| C | 1.27 - 1.52 m | Light olive grey (5Y6/2-Dry); , 10YR78; Sand; Massive grade of structure; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; |
| | 1.67 - 1.83 m | Light olive grey (5Y6/2-Dry); , 10YR78; Sand; Massive grade of structure; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; |

Morphological Notes

Observation Notes

Site Notes

JULIA CREEK

Observation ID: 1

Laboratory Test Results:

| Depth | pH | 1:5 EC | Ca | Exchangeable Mg | Cations K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|-------------|------|--------|----|-----------------|-----------|-------------|----------------------|-----|------|-----|
| m | | dS/m | | | | cmol (+)/kg | | | | % |
| 0.02 - 0.1 | 5.2A | 0.004A | | | | | | | | |
| 0.1 - 0.28 | 5.7A | 0.005A | | | | | | | | |
| 0.28 - 0.56 | 4.9A | 0.004A | | | | | | | | |
| 0.56 - 0.79 | 4.8A | 0.004A | | | | | | | | |
| 1.27 - 1.52 | 5A | 0.006A | | | | | | | | |
| 1.67 - 1.83 | 6.6A | 0.019A | | | | | | | | |

| 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 | | | % | | |
| 0.02 - 0.1 | | | 250B | | 0.025A | | | | 58D | 36 | 0 | 4 |
| 0.1 - 0.28 | | | 230B | | 0.021A | | | | 58D | 36 | 1 | 3 |
| 0.28 - 0.56 | | | | | | | | <1 | | | | |
| 0.56 - 0.79 | | | | | 0.013A | | | <1 | 55D | 38 | 0 | 5 |
| 1.27 - 1.52 | | | | | | | | 3 | | | | |
| 1.67 - 1.83 | | | | | | | | 5 | 45D | 46 | | 7 |

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|--|
| 2_LOI | Loss on Ignition (%) |
| 2A1 | Air-dry moisture content |
| 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 |
| 7A2 | Total nitrogen - semimicro Kjeldahl , automated colour |
| 9G_BSES | Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) |
| P10_GRAV | Gravel (%) |
| 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 |