**Project Name:**
**Project Code:** **DUSLARA** **Site ID:** **1418** **Observation ID:** **1**
**Agency Name:** **QLD Environment and Heritage**

## Site Information

| | | | |
|---|---|---|---|
| **Desc. By:** | Lorimer, Mal | **Locality:** | |
| **Date Desc.:** | 01/03/99 | **Elevation:** | No Data |
| **Map Ref.:** | | **Rainfall:** | No Data |
| **Northing/Long.:** | 144.854337105083 | **Runoff:** | Slow |
| **Easting/Lat.:** | -21.165645853416 Datum: GDA94 | **Drainage:** | Moderately well drained |

## Geology

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

## Land Form

**Rel/Slope Class:** Gently undulating plains <9m 1-3% **Pattern Type:** Alluvial plain

| | | | |
|---|---|---|---|
| **Morph. Type:** | Flat | **Relief:** | No Data |
| **Elem. Type:** | Plain | **Slope Category:** | Very gently sloped |
| **Slope:** | % | **Aspect:** | No Data |

## Surface Soil Condition

Hardsetting

## Erosion:

## Soil Classification

**Australian Soil Classification:**
Haplic Brown Chromosol
**ASC Confidence:**
Confidence level not specified

**Mapping Unit:** N/A
**Principal Profile Form:** Dy2.53
**Great Soil Group:** N/A

## Site

No effective disturbance. Natural

## Vegetation:

## Surface Coarse

## Profile

A 0 - 0.04 m ;

B2ct 0.04 - 1.75 m ;

## Morphological Notes

## Observation Notes

## Site Notes

This area appears to be lightly grazed but the thickness of timber and shrubs seems to be competing strongly with grass hence lower
grass basal area than potential. We have downgraded the site on account of Eremophila mitchellii (false s

**Project Name:**
**Project Code:** **DUSLARA** **Site ID:** **1418** **Observation** **1**
**Agency Name:** **QLD Environment and Heritage**

## Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations Ca | Mg | K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|---|---|---|---|---|---|---|---|---|---|---|
| m | | dS/m | | | | Cmol (+)/kg | | | | % |
| 0 - 0.04 | 7.3B 7.9A | 0.08A | 7.52G | 1.18 | 0.56 | 0.03 | | | | |
| 0.04 - 1.75 | 7.7B 8.6A | 0.05A | 7.02G | 3.84 | 0.71 | 0.24 | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size Analysis GV | CS | FS | Silt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Clay | | | | | | | | | |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | |
| 0 - 0.04 | | 0.7A | 6K | 280B | | | | 7.93 | | | |
| 0.04 - 1.75 | | 0.1A | 2K | 90B | | | | 4.22 | | | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | | K sat | K unsat |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | | |
| m | | g/g - m3/m3 | | | | | | | mm/h | mm/h |
| 0 - 0.04 | | | | | | | | | | |
| 0.04 - 1.75 | | | | | | | | | | |

**Laboratory Analyses Completed for this profile**

| | |
|---|---|
| 10D1 | Potassium chloride - 40 sulfur (KCl-40)-S |
| 12A1_Cu | DTPA - extractable copper, zinc, manganese and iron |
| 12A1_Fe | DTPA - extractable copper, zinc, manganese and iron |
| 12A1_Mn | DTPA - extractable copper, zinc, manganese and iron |
| 12A1_Zn | DTPA - extractable copper, zinc, manganese and iron |
| 12C1 | Calcium chloride extractable boron - manual colour |
| 14B1 | Electrical conductivity/SE |
| 15D2_CA | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; automatic extractor |
| 15D2_K | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic |
| 15D2_MG | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic |
| 15D2_NA | Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic |
| 15K1 | CEC - pH 8.2 |
| 15N1 | Exchangeable sodium percentage (ESP) |
| 18A1 | Bicarbonate-extractable potassium |
| 18B1 | Hydrochloric acid - extractable potassium |
| 3A1 | EC of 1:5 soil/water extract |
| 4A1 | pH of 1:5 soil/water suspension |
| 4B1 | pH of 1:5 soil/0.01M calcium chloride extract - direct |
| 5A1 | Chloride - 1:5 soil/water extract, potentiometric titration |
| 6A1 | Organic carbon - Walkley and Black |
| 7B1 | Water soluble nitrate - automated colour |
| 7D1a | Potentially mineralisable N, hot KCl extraction - automated colour, continuous segmented flow |
| 9A3 | Total Phosphorus (ppm) - semimicro kjeldahl, automated colour |
| 9C1 | Olsen-extractable phosphorus - manual colour |
| P10_GRAV | Gravel (%) |
| P6_LP | Dispersion Index (Loveday and Pyle, 1973) |