**Project Name:** **Regional**
**Project Code:** **REG** **Site ID:** **TL56** **Observation ID:** **1**
**Agency Name:** **CSIRO Division of Soils (QLD)**

## Site Information

**Desc. By:** Webb, Ian
**Date Desc.:** //
**Map Ref.:** Sheet No. : 7965 1:100000
**Northing/Long.:** 145.066666666667
**Easting/Lat.:** -16.2666666666667
**Locality:**
**Elevation:** No Data
**Rainfall:** 0
**Runoff:** Rapid
**Drainage:** Rapidly drained

## Geology

**ExposureType:** Soil pit
**Geol. Ref.:** No Data
**Conf. Sub. is Parent. Mat.:** No Data
**Substrate Material:** , Granite

## Land Form

**Rel/Slope Class:** No Data
**Morph. Type:** Mid-slope
**Elem. Type:** No Data
**Slope:** 0 %
**Pattern Type:** No Data
**Relief:** No Data
**Slope Category:** No Data
**Aspect:** No Data

## Surface Soil Condition (dry): N/A

## Erosion: Stable, Minor (sheet)

## Soil Classification

**Australian Soil Classification:**
N/A
**ASC Confidence:**
Confidence level not specified
**Mapping Unit:** N/A
**Principal Profile Form:** Uc
**Great Soil Group:** Earthy sand

## Site Disturbance: No effective disturbance. Natural

## Vegetation:

## Surface Coarse Fragments:

## Profile Morphology

| | |
|---|---|
| 0 - 0.05 m | Greyish brown (10YR5/2-Moist); ; Sandy loam; Moderate grade of structure, Subangular blocky; Strong consistence; Non-plastic; Normal plasticity; Non-sticky; |
| 0.05 - 0.1 m | Light brown (7.5YR6/4-Moist); ; Sandy loam; Weak grade of structure, Granular; Strong consistence; Slightly plastic; Normal plasticity; Non-sticky; |
| 0.1 - 0.2 m | Pink (7.5YR7/4-Moist); ; Sandy loam; Weak consistence; Moderately plastic; Normal plasticity; Non-sticky; |
| 0.2 - 0.3 m | Reddish yellow (7.5YR6/6-Moist); ; Loamy sand; Weak grade of structure, Subangular blocky; Weak consistence; Moderately plastic; Normal plasticity; Non-sticky; |
| 0.3 - 0.6 m | Reddish yellow (7.5YR6/6-Moist); ; Sandy loam; Weak consistence; Moderately plastic; Normal plasticity; Non-sticky; |
| 0.6 - 0.9 m | Pink (7.5YR7/4-Moist); ; Sandy loam; |

## Morphological Notes

## Observation Notes

WAS ORIGINALLY EP40:M3647-M3652:

## Site Notes

Mt. Windsor

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## Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | | Exchangeable Acidity | CEC | ECEC | ESP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Ca | Mg | K | Na | | | | |
| m | | dS/m | Cmol (+)/kg | | | | | | | % |
| 0 - 0.05 | 5.2D | | 17H | 2.03 | 0.51 | 0.17 | 0.47F | 10.1J | 20.18B | 1.68 |
| | 5.6A | | | | | | 0.27B | | | |
| | 5.6I | | | | | | 0.2H | | | |
| 0.05 - 0.1 | 4.6D | | 5.67H | 1.28 | 0.56 | 0.18 | 0.74F | 6.4J | 8.43B | 2.81 |
| | 5.4A | | | | | | 0.46B | | | |
| | 5.6I | | | | | | 0.28H | | | |
| 0.1 - 0.2 | 4.4D | | 3.33H | 1.17 | 0.52 | 0.24 | 0.8F | 4.5J | 6.06B | 5.33 |
| | 5.4A | | | | | | 0.74B | | | |
| | 4.9I | | | | | | 0.06H | | | |
| 0.2 - 0.3 | 4.3D | | 1.23H | 0.35 | 0.54 | 0.24 | 1.89F | 3.1J | 4.25B | 7.74 |
| | 5A | | | | | | 1.86B | | | |
| | 4.4I | | | | | | 0.03H | | | |
| 0.3 - 0.6 | 4.4D | | 0.47H | 0.19 | 0.38 | 0.23 | 1.72F | 2.5J | 2.99B | 9.20 |
| | 5A | | | | | | 1.72B | | | |
| | 4.4I | | | | | | 0H | | | |
| 0.6 - 0.9 | 4.3D | | 1.5H | 0.49 | 0.34 | 0.31 | 1.46F | 3.7J | 4.1B | 8.38 |
| | 5.2A | | | | | | 1.31B | | | |
| | 4.6I | | | | | | 0.15H | | | |

| 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 - 0.05 | | | | | | | | | | | | |
| 0.05 - 0.1 | | | | | | | | | | | | |
| 0.1 - 0.2 | | | | | | | | | | | | |
| 0.2 - 0.3 | | | | | | | | | | | | |
| 0.3 - 0.6 | | | | | | | | | | | | |
| 0.6 - 0.9 | | | | | | | | | | | | |

| 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 - 0.05 | | | | | | | | | |
| 0.05 - 0.1 | | | | | | | | | |
| 0.1 - 0.2 | | | | | | | | | |
| 0.2 - 0.3 | | | | | | | | | |
| 0.3 - 0.6 | | | | | | | | | |
| 0.6 - 0.9 | | | | | | | | | |

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**Laboratory Analyses Completed for this profile**

| | |
|---|---|
| 15_NR_CEC | CEC - meq per 100g of soil - Not recorded |
| 15E1_CA | Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble |
| 15E1_K | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_MG | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_NA | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15G_C | Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4 |
| 15G_C_AL1 | Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B |
| 15G_C_H1 | Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B |
| 15J_H | Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen) |
| 4A_C_2.5 | pH of soil - pH of 1:2.5 soil/water suspension |
| 4A1 | pH of 1:5 soil/water suspension |
| 4C1 | pH of 1:5 soil/1M potassium chloride extract - direct |