

Project Name: WQR
Project Code: WQR Site ID: M3 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|-----------------|------------------|------------|---------------------|
| Desc. By: | Holland, D | Locality: | Adgingbong Station: |
| Date Desc.: | 01/11/53 | Elevation: | No Data |
| Map Ref.: | | Rainfall: | 0 |
| Northing/Long.: | 145.933333333333 | Runoff: | No Data |
| Easting/Lat.: | -27.966666666667 | Drainage: | No Data |

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | |
|---------------------------------|-------------------------|----------------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| N/A | Principal Profile Form: | Gc1.22 |
| ASC Confidence: | Great Soil Group: | Solonized brown soil |
| Confidence level not specified | | |

Site Disturbance:

Vegetation:

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia cambagei, Aristida species

Surface Coarse Fragments: 10-20%, , rounded, Silcrete

Profile Morphology

| | |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 0.25 m | Red (2.5YR4/8-Moist); ; Sandy medium clay; Massive grade of structure; Firm consistence; Few, coarse (>5mm) roots; Diffuse change to - |
| 0.25 - 0.39 m | Yellowish red (5YR5/6-Moist); ; Sandy medium clay; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; FewClear change to - |
| 0.39 - 0.56 m | Yellowish red (5YR5/6-Moist); , 5YR66; Sandy medium clay; Massive grade of structure; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; FewClear change to - |
| 0.56 - 0.76 m | Yellowish red (5YR5/6-Moist); , 5YR66; Sandy medium clay; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Common (10 - 20 %), Calcareous, , Nodules; FewDiffuse change to - |
| 0.76 - 1.24 m | Red (2.5YR4/8-Moist); , 7.5YR66; Light clay; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Common (10 - 20 %), Calcareous, , Nodules; FewDiffuse change to - |
| 1.24 - 1.57 m | Light brownish grey (10YR6/2-Moist); , 5YR66; Heavy clay; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Very few (0 - 2 %), Calcareous, , Soft segregations; Many (20 - 50 %), Gypseous, , Soft segregations; Few, very fine (0-1mm) roots; |

Morphological Notes

Observation Notes

Site Notes

CUNNAMULLA

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 - 0.25 | 7.7H | 0.011B | 8.5K | 2.4 | 1.3 | 0.13 | 1.4D | | | |
| 0.25 - 0.39 | 8.7H | 0.027B | | | | | | | | |
| 0.39 - 0.56 | 9H | 0.028B | | | | | | | | |
| 0.56 - 0.76 | 9.1H | 0.085B | | | | | | | | |
| 0.76 - 1.24 | 8.9H | 0.26B | | | | | | | | |
| 1.24 - 1.57 | 8H | 0.97B | | | | | | | | |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle | | Size | Analysis | | |
|-------------|-------|---------|--------|--------|--------|-------|-------|----------|-----|------|----------|----|------|
| | % | C | P | P | N | K | | Density | GV | | CS | FS | Silt |
| m | | % | mg/kg | % | % | % | Mg/m3 | | | % | | | |
| 0 - 0.25 | | | | 0.019F | 0.027B | | | | | 39C | 28 | 8 | 24 |
| 0.25 - 0.39 | 0.04C | | | | | | | | | 35C | 26 | 6 | 29 |
| 0.39 - 0.56 | 0.03C | | | | | | | | | | | | |
| 0.56 - 0.76 | | | | 0.014F | | | | | | | | | |
| 0.76 - 1.24 | 4.6C | | | | | | | 1 | 26C | 25 | 16 | 31 | |
| 1.24 - 1.57 | 1C | | | 0.013F | | | | 2 | | | | | |

[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 |
| 19B_NR | Calcium Carbonate (CaCO3) - Not recorded |
| 2_LOI | Loss on Ignition (%) |
| 2A1 | Air-dry moisture content |
| 3_NR | Electrical conductivity or soluble salts - Not recorded |
| 4_NR | pH of soil - Not recorded |
| 5_NR | Water soluble Chloride - Cl(%) - Not recorded |
| 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 |