

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2192 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | Barry, Earl | Locality: | |
| Date Desc.: | 24/08/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7859 GPS | Rainfall: | No Data |
| Northing/Long.: | 7887163 AMG zone: 55 | Runoff: | Rapid |
| Easting/Lat.: | 278158 Datum: AGD66 | Drainage: | Well drained |

Geology

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

Land Form

| | | | |
|-------------------------|-----------------------------------|------------------------|-----------------|
| Rel/Slope Class: | Undulating low hills 30-90m 3-10% | Pattern Type: | Low hills |
| Morph. Type: | Upper-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Gently inclined |
| Slope: | 6 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|--|--------------------------------|-------------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Haplic Eutrophic Red Chromosol Very thick Slightly gravelly Loamy Clayey Moderately deep | Principal Profile Form: | Dr2.22 |
| ASC Confidence: | Great Soil Group: | Red podzolic soil |

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Isolated plants. *Species includes - Aristida species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus drepanophylla, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Graywacke

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.04 m | Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.02); Clear change to - |
| A12 | 0.04 - 0.23 m | Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Gradual change to - |
| A21 | 0.23 - 0.4 m | Yellowish red (5YR5/6-Moist); ; Sandy loam; Single grain grade of structure; Weak consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Gradual change to - |
| A22 | 0.4 - 0.6 m | Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Weak consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); Gradual change to - |
| B21 | 0.6 - 0.85 m | Yellowish red (5YR4/6-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.8); Gradual change to - |
| B22 | 0.85 - 0.98 m | Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | Exchangeable Acidity | | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|----------------------|-------------|-----|------|-----|
| m | | dS/m | Ca | Mg | K | Na | | | % |
| | | | | | | Cmol (+)/kg | | | |

| 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 |
| | | | | | | | | % | |

| 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 |

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Laboratory Analyses Completed for this profile