

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1383 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | |
|---------------------------------------------|------------------------------------------|
| Desc. By: Rogers, Gary | Locality: |
| Date Desc.: 21/08/92 | Elevation: No Data |
| Map Ref.: Sheet No. : 7957 GPS | Rainfall: No Data |
| Northing/Long.: 7777002 AMG zone: 55 | Runoff: Moderately rapid |
| Easting/Lat.: 313567 Datum: AGD66 | Drainage: Moderately well drained |

Geology

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|------------------------------|----------------------------------------------------------|
| ExposureType: No Data | Conf. Sub. is Parent. Mat.: No Data |
| Geol. Ref.: No Data | Substrate Material: Undisturbed soil core, Basalt |

Land Form

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

Surface Soil Condition (dry): Firm, Surface crust

Erosion:

Soil Classification

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|----------------------------------------------------------------------------|---------------------------------------|
| Australian Soil Classification: | Mapping Unit: N/A |
| Haplic Eutrophic Brown Ferrosol Medium Non-gravelly Clay-loamy Clayey Deep | Principal Profile Form: Gn3.22 |
| ASC Confidence: | Great Soil Group: Euchrozem |

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, Sparse. *Species includes - Dichanthium species, Themeda triandra, Heteropogon

contortus Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 0-2%, stony, 200-600mm, subrounded, Basalt

Profile Morphology

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| A11 | 0 - 0.05 m | Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Moderate grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Abrupt change to - |
| A12 | 0.05 - 0.1 m | Dark brown (7.5YR3/2-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to - |
| B21 | 0.1 - 0.3 m | Dark yellowish brown (10YR4/4-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.25); Clear change to - |
| B22 | 0.3 - 0.65 m | Yellow (10YR8/6-Moist); Mottles, 7.5YR4/6, 0-2% , 0-5mm, Faint; Mottles, 0-2% ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6); Gradual change to - |
| B23 | 0.65 - 1 m | Reddish yellow (7.5YR8/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9); Clear change to - |
| C | 1 - 1.1 m | ; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1.1); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension