

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2356 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|-------------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 25/10/94 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7960 GPS | Rainfall: | No Data |
| Northing/Long.: | 7938693 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 307476 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: | No Data |

Land Form

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|-------------------------|------------------------------|------------------------|-----------------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | Low hills |
| Morph. Type: | Lower-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Gently inclined |
| Slope: | 5 % | Aspect: | No Data |

Surface Soil Condition (dry): Self-mulching, Surface crust

Erosion:

Soil Classification

| | | |
|--|--------------------------------|------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Endocalcareous Self-Mulching Black Vertosol Non-gravelly | Principal Profile Form: | Ug5.35 |
| Medium fine Very fine Deep | Great Soil Group: | Brown clay |
| ASC Confidence: | | |
| Confidence level not specified | | |

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa decipiens, Heteropogon contortus,
Themeda triandra Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Hakea species

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

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|-----|-------------|---|
| A1 | 0 - 0.1 m | Dark brown (10YR3/3-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Granular; Smooth-ped fabric; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to - |
| B21 | 0.1 - 0.3 m | Dark yellowish brown (10YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to - |
| B22 | 0.3 - 0.8 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.6); Gradual change to - |
| B23 | 0.8 - 1.1 m | Yellowish red (5YR5/8-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 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

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| 15A2_CA | Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_K | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_MG | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_NA | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 4A1 | pH of 1:5 soil/water suspension |