

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1551 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|-------------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 28/10/92 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7956 GPS | Rainfall: | No Data |
| Northing/Long.: | 7714209 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 332286 Datum: AGD66 | Drainage: | Moderately well drained |

Geology

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

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|--------------------|
| Rel/Slope Class: | Rolling low hills 30-90m 10- | Pattern Type: | Hills |
| Morph. Type: | Upper-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Very gently sloped |
| Slope: | 2 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|--------------------------------------------------------------------------------------|--------------------------------|------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Bleached Mesotrophic Grey Kandosol Thin Non-gravelly Loamy Clayey Moderately deep | Principal Profile Form: | Dy2.41 |
| ASC Confidence: | Great Soil Group: | Grey earth |

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Eulalia aurea,
Themeda triandra
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus melanophloia
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A11 | 0 - 0.08 m | Dark grey (10YR4/1-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.04); Abrupt change to - |
| A2e | 0.08 - 0.4 m | Greyish brown (10YR5/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.2); Clear change to - |
| B21 | 0.4 - 0.65 m | Brown (10YR5/3-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.5); Clear change to - |
| B22 | 0.65 - 0.85 m | Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR56, 2-10% , Distinct; Mottles, 2-10% ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Strong consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.8); |

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile

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|---------|--------------------------------------------------------------------------------------------------------|
| 10B | Extractable sulfur(mg/kg) - Phosphate extractable sulfur |
| 15A2_CA | Exchangeable bases (Ca2+,Mg2+,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 |
| 15N1 | Exchangeable sodium percentage (ESP) |
| 4A1 | pH of 1:5 soil/water suspension |