

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 215 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte
Date Desc.: 11/04/91
Map Ref.: Sheet No. : 8257 GPS
Northing/Long.: 7781148 AMG zone: 55
Easting/Lat.: 476849 Datum: AGD66

Locality:
Elevation: 300 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Well drained

Geology

Exposure Type: No Data
Geol. Ref.: No Data

Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, Granodiorite

Land Form

Rel/Slope Class: Gently undulating rises 9-30m
1-3%
Pattern Type: Rises

Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 4 %

Relief: No Data
Slope Category: Gently inclined
Aspect: 350 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Basic Paralithic Orthic Tenosol Non-gravelly Sandy Shallow

Mapping Unit: N/A
Principal Profile Form: Uc5.2
Great Soil Group: Lithosol

ASC Confidence:
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 - Bothriochloa pertusa, Heteropogon contortus, Panicum species
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Strong grade of structure, 2-5 mm, Granular; Earthy fabric; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Common, very fine (0-1mm) roots; Clear, Smooth change to -
A3	0.1 - 0.3 m	Dark brown (7.5YR3/3-Moist); ; Sandy loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Common, very fine (0-1mm) roots; Gradual, Smooth change to -
B/C	0.3 - 0.45 m	Yellowish red (5YR3/6-Moist); Substrate influence, 7.5YR68, 20-50% , 0-5mm, Distinct; Substrate influence, 20-50% ; Light clay; Weak grade of structure, 50-100 mm, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ,

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	5.7A								
0.1 - 0.3	5.7A	7J	1.7	0.4	0.2		6.6I		3.03
0.3 - 0.45	6.4A								

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension