

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 875 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 07/11/91	Elevation: No Data
Map Ref.: Sheet No. : 8256 GPS	Rainfall: No Data
Northing/Long.: 7726627 AMG zone: 55	Runoff: No Data
Easting/Lat.: 494497 Datum: AGD66	Drainage: No Data

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: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Open depression (vale)	Relief: No Data
Elem. Type: Drainage depression	Slope Category: Very gently sloped
Slope: %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Hypocalcic Subnatric Black Sodosol Thick Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form: Dd1.33
ASC Confidence:	Great Soil Group: Solodic soil

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Bothriochloa pertusa
 Mid Strata - , , . *Species includes - None recorded
 Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Dark greyish brown (2.5Y4/3-Moist); ; Sandy clay loam; Dry; Weak consistence; , Calcareous, , ; Gypseous, , ; Clear change to -
A2	0.03 - 0.1 m	Dark greyish brown (2.5Y4/2-Moist); ; Clayey coarse sand; Dry; Weak consistence; , Calcareous, , ; Gypseous, , ; Field pH 6.8 (Raupach, 0.05); Sharp change to -
2A1	0.1 - 0.2 m	Very dark grey (10YR3/1-Moist); ; Sandy clay loam; Dry; Weak consistence; , Calcareous, , ; Gypseous, , ; Clear change to -
2A2j	0.2 - 0.3 m	Dark grey (10YR4/1-Moist); ; Clay loam; Dry; Very weak consistence; , Calcareous, , ; Gypseous, , ; Sharp change to -
B21	0.3 - 0.5 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Dry; Strong consistence; , Calcareous, , ; Gypseous, , ; Field pH 7 (Raupach, 0.35); Clear change to -
B21k	0.5 - 0.6 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Field pH 9 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg			%
0.03 - 0.1	7.3A								
0.2 - 0.3			15.4J	7.6	0.2	3.3	26.8I		12.3I
0.5 - 0.6	8.2A								

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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