

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 841 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	23/10/91	Elevation:	260 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7683217 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	402987 Datum: AGD66	Drainage:	No Data

Geology

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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Self-Mulching Grey Vertosol Non-gravelly	Principal Profile Form:	Ug5.24
Medium fine Very fine Very deep	Great Soil Group:	Grey clay

ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Aristida species
Mid Strata - Tree, 1.01-3m, Closed or dense. *Species includes - Lysiphillum carronii, Acacia cambagei
Tall Strata - Tree, 3.01-6m, Closed or dense. *Species includes - Acacia cambagei

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Dark grey (5YR4/1-Moist); ; Strong grade of structure, 5-10 mm, Subangular blocky; , Calcareous, , , ; Gypseous, , ; Field pH 9 (Raupach, 0.05); Clear change to -
A12	0.05 - 0.12 m	Dark grey (5YR4/1-Moist); ; Strong grade of structure, 50-100 mm; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Clear change to -
A13	0.12 - 0.44 m	Dark grey (5YR4/1-Moist); ; Strong grade of structure, 50-100 mm; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 0.3); Diffuse change to -
B21	0.44 - 1.5 m	Dark grey (5YR4/1-Moist); ; Strong grade of structure, 10-20 mm; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 0.9); Field pH 9.5 (Raupach, 1.5); Diffuse change to -
B22	1.5 - 1.9 m	Reddish brown (2.5YR5/3-Moist); ; Strong grade of structure, 10-20 mm; Common (10 - 20 %), Manganiferous, Medium (2 - 6 mm), Soft segregations; , Calcareous, , , ; Gypseous, , ;

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

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