

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 819 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	18/10/91	Elevation:	210 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7690609 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	416936 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

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

Erosion:

Soil Classification

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

All necessary analytical data are available.

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

Vegetation: Low Strata - , , . *Species includes - Dichanthium species, Iseilema vaginiflorum
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ;
A12	0.03 - 0.38 m	Grey (10YR5/1-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
B21	0.38 - 1 m	Dark grey (2.5Y4/1-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated, prominent; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.7);
B22	1 - 1.1 m	Grey (10YR5/1-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, prominent; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 1.1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.03 - 0.38	7A									
1 - 1.1	6.2A		10.2J	9.4	0.1	0.8		21.1I		3.79

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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