

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 811 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	17/10/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7694419 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	422119 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Brown Dermosol Medium Non-gravelly	Principal Profile Form:	Uf6.31
Clayey Clayey Moderately deep		
ASC Confidence:	Great Soil Group:	No suitable
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark grey (7.5YR3/0-Moist); , 7.5YR46; Light clay; Massive grade of structure; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.05);
B21	0.1 - 0.3 m	Brown (7.5YR4/4-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.3);
B22	0.3 - 0.6 m	Light olive brown (2.5Y5/4-Moist); , 2.5Y51; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, <2 mm, Subangular blocky; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , Concretions; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca Mg K	Na Acidity			%
				Na Cmol (+)/kg			

0 - 0.1	5.8A
0.3 - 0.6	5.5A

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

0 - 0.1
0.3 - 0.6

[illegible]

0 - 0.1
0.3 - 0.6

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension