

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 713 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	12/08/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7814652 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	409902 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	10 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Eutrophic Mottled-Subnatric Grey Sodosol Thick Non-gravelly Sandy Clayey Moderately deep	Mapping Unit:	N/A
		Principal Profile Form:	Dy3.43
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Siliceous sand

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Aristida species, Bothriochloa brownii
ewartiana Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Eucalyptus brownii

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach,
A2e	0.1 - 0.4 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.55 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR6.8, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium heavy clay; Strong grade of structure, 100-200 mm, Columnar; Moderate grade of structure, 50-100 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 0.55);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

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

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile