

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 843 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	23/10/91	Elevation:	220 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7680466 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	405863 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:	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
Endocalcareous Self-Mulching Grey Vertosol Gravelly	Principal Profile Form:	Ug5.24
Medium fine Very fine Moderately deep	Great Soil Group:	Grey clay

ASC Confidence:

No analytical data are available but confidence is fair.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Dichanthium species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Petalostigma pubescens, Lysipillum carronii

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subangular, Quartz

Profile Morphology

A11	0 - 0.03 m	Grey (10YR5/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Strong grade of structure, <2 mm, Angular blocky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Clear change to -
A12	0.03 - 0.4 m	Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.3); Gradual change to -
B2	0.4 - 0.65 m	Grey (2.5Y5/1-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ,

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