

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 541 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	19/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7789690 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415293 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:	Mid-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Yellow Chromosol Thick Non-gravelly		Principal Profile Form:	Dy2.23
Loamy Clayey Moderately deep			
ASC Confidence:		Great Soil Group:	Solodic soil
No analytical data are available but confidence is fair.			

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

Vegetation: Low Strata - Tussock grass, 1.01-3m, Closed or dense. *Species includes - Phynchelytrum repens
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Acacia species, Erythroxylon australe
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam; , Calcareous, , , , Gypseous, , ;
A12	0.12 - 0.3 m	Brown (10YR4/3-Moist); ; Sandy loam; , Calcareous, , , , Gypseous, , ;
A2	0.3 - 0.55 m	Light yellowish brown (10YR6/4-Moist); ; Sandy loam; Many (20 - 50 %), Manganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ;
B2	0.55 - 0.6 m	Brownish yellow (10YR6/6-Moist); Mottles, 10YR62, 20-50% , 15-30mm, Prominent; Mottles, 20-50% ; Medium clay; , Calcareous, , , , Gypseous, , ; Field pH 8 (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					%
						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	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile