

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 585 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158-1 GPS	Rainfall:	No Data
Northing/Long.:	7825743 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	427175 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Sandstone

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Eutrophic Brown Chromosol Medium Non-gravelly Sandy Clayey Moderately deep		Principal Profile Form:	Dy3.42

ASC Confidence:		Great Soil Group:	Soloth
No analytical data are available but confidence is fair.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Heteropogon contortus,

 Phynchelytrum repens Mid Strata - , , . *Species includes - None recorded

 Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Moist); ; Fine sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; Non-plastic; Normal plasticity; Non-sticky; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear change to -
A2e	0.1 - 0.23 m	Brownish yellow (10YR6/6-Moist); ; Fine sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Non-plastic; Normal plasticity; Non-sticky; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.2); Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.23 - 0.35 m	Strong brown (7.5YR5/6-Moist); ; , 2.5YR46; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Slightly plastic; Normal plasticity; Slightly sticky; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.3); Few, very fine (0-1mm) roots; Clear change to -
B22	0.35 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 2.5YR76; Light clay (Heavy); Strong grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Moderately plastic; Normal plasticity; Slightly sticky; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.5); Few, very fine (0-1mm) roots; Clear
C	0.5 - 0.55 m	; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , ; Field pH 7 (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
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