

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1739 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	22/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7630708 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	434482 Datum: AGD66	Drainage:	Poorly drained

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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Eutrophic Black Chromosol Thin Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dd1.42
ASC Confidence:	Great Soil Group:	Soloth
Confidence level not specified		

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - Triodia mitchellii
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree mallee, 3.01-6m, Sparse. *Species includes - Eucalyptus normantonensis

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A1	0 - 0.04 m	Yellowish red (5YR4/8-Moist); ; Sandy clay loam; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5 (Raupach, 0.02); Abrupt change to -
A2e	0.04 - 0.11 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.11 - 0.38 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
BC	0.38 - 1 m	Dark reddish brown (5YR3/4-Moist); Mottles, 7.5YR38, 10-20% , 5-15mm, Distinct; Mottles, 5Y63, 10-20% ; Light medium clay; Strong consistence; 90-100%, medium gravelly, 6-20mm, angular platy, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.7); Gradual change to -
C	1 - 1.5 m	Red (10R4/8-Moist); , 5Y64; Sandy light clay; 90-100%, coarse gravelly, 20-60mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 1.2); Gradual change to -
C	1.5 - 1.6 m	Brownish yellow (10YR6/8-Moist); ; , Calcareous, , , , Gypseous, , , ;

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