

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1638 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 GPS	Rainfall:	No Data
Northing/Long.:	7715335 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	322198 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Levee	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Dy3.42

ASC Confidence:	Great Soil Group:
Confidence level not specified	Soloth

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa species, Heteropogon contortus,

Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus setosa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy clay loam (Light); Massive grade of structure; Earthy fabric; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.03); Clear, Wavy change to -
A2e	0.03 - 0.2 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.15); Clear, Wavy change to -
B1e	0.2 - 0.33 m	Greyish brown (10YR5/2-Moist); ; Silty medium clay; Moderate grade of structure, 10-20 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 0.3); Clear, Wavy change to -
B2	0.33 - 1 m	Brown (10YR5/3-Moist); Mottles, 10YR6/6, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 1);

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