

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2181 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	06/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7654724 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	445835 Datum: AGD66	Drainage:	Moderately well drained

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:	No Data	Relief:	No Data
Elem. Type:	Plain	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
Haplic Eutrophic Brown Chromosol		Principal Profile Form:	Dy3.8
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Hummock grass, 0.51-1m, Sparse. *Species includes - Triodia mitchellii
 Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Melaleuca tamariscina, Acacia species, Thryptomene parviflora

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.16 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.05); Clear change to -
A12	0.16 - 0.28 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
A2	0.28 - 0.42 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.35); Clear change to -
B21	0.42 - 0.8 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR56, 10-20% , 5-15mm, Distinct; Mottles, 10YR43, 10-20% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.7); Gradual change to -
B22	0.8 - 1 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9);
B3	1 - 1.2 m	Yellowish brown (10YR5/6-Moist); ; Light medium clay; Dry; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1.1);

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