

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 443 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Barry, Earl	Locality:
Date Desc.: 15/10/91	Elevation: 312 metres
Map Ref.: Sheet No. : 8156 GPS	Rainfall: No Data
Northing/Long.: 7704550 AMG zone: 55	Runoff: Very rapid
Easting/Lat.: 401688 Datum: AGD66	Drainage: Poorly drained

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: Undulating plains <9m 3-10%	Pattern Type: Alluvial plain
Morph. Type: Upper-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: 5 %	Aspect: 20 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Eutrophic Subnatic Brown Sodosol Medium Slightly gravelly Clay-loamy Clayey Shallow	Principal Profile Form: Dy3.43
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, 0.26-0.5m, Isolated plants. *Species includes - Eriachne species, Aristida species, TRIODIA

SPECIES ? Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii, Acacia cambagei

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, subangular, Quartz

Profile Morphology

A11	0 - 0.03 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Clear change to -
A12	0.03 - 0.12 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Weak grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A2e	0.12 - 0.13 m	; Sandy clay loam; Weak grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Abrupt change to -
B2	0.13 - 0.3 m	Brown (10YR5/3-Moist); Mottles, 10YR54, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.3); Clear change to -
C	0.3 - 0.4 m	; , 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
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