

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1762 **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.: 7650356 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 426818 Datum: AGD66	Drainage: Imperfectly drained

Geology

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached Eutrophic Yellow Dermosol Thin Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form: Dy2.43
ASC Confidence:	Great Soil Group: Solodic soil
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 - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus melanophloia, Hakea species, Melaleuca
 nervosa

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.09 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Gradual change to -
A12	0.09 - 0.28 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
A13	0.28 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam (Light); Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.6); Clear change to -
A2e	0.7 - 0.8 m	Yellowish brown (10YR5/8-Moist); ; Sandy clay loam (Light); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.75); Clear change to -
B2	0.8 - 1 m	Brownish yellow (10YR6/6-Moist); ; Light clay; ; Calcareous, ; ; Gypseous, ; ; Field pH 8.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity			%
						Cmol (+)/kg				
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis
m	%	C	P	P	N	K	Density	GV	CS	FS
		%	mg/kg	%	%	%	Mg/m3			%
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