

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1902 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7669512 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	467247 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Poached

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Black Sodosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Solodic soil
Confidence level not specified		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Hummock grass, <0.25m, Very sparse. *Species includes - Triodia mitchellii
Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus brownii

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

Profile Morphology

A11	0 - 0.08 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; ; Calcareous, , ; ; Gypseous, , ; Field pH 5.5 (Raupach, 0.04); Abrupt change to -
A12	0.08 - 0.12 m	Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy (Heavy); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; ; Calcareous, , ; ; Gypseous, , ; Field pH 6 (Raupach, 0.12); Clear change to -
B2	0.12 - 0.3 m	Dark brown (7.5YR3/2-Moist); Mottles, 7.5YR3/4, 0-2% , 0-5mm, Faint; Mottles, 0-2% ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; ; Calcareous, , ; ; Gypseous, , ; Field pH 7 (Raupach, 0.3);

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 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