

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1202 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	17/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7850768 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	381866 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Brown Chromosol Medium Very gravelly Clay-loamy Clayey Deep		Principal Profile Form:	Dy3.12
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Red podzolic soil

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Bothriochloa species, Aristida species
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, rounded, Quartz

Profile Morphology

A11	0 - 0.08 m	Dark brown (7.5YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
A12	0.08 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 7.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.55 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; ; Lenticular; Smooth-ped fabric; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated; ; Calcareous, , , ; Gypseous, , ; Field pH 8.5 (Raupach, 0.3); Gradual change to -
B22	0.55 - 1 m	Strong brown (7.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Smooth-ped fabric; ; Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.8); Gradual change to -
B23	1 - 1.2 m	Strong brown (7.5YR4/6-Moist); Mottles, 5Y62, 10-20% , Distinct; Mottles, 10-20% ; Medium clay; Weak grade of structure, Angular blocky; Smooth-ped fabric; ; Calcareous, , , ; Gypseous, , , ; Field pH 6 (Raupach, 1.1);

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 Cmol (+)/kg	Acidity				%
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