

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2051 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	08/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7611768 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	478957 Datum: AGD66	Drainage:	Moderately well 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 rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Hypocalcic Grey Dermosol Thick Slightly gravelly Clayey Clayey Moderately deep	Principal Profile Form:	Gn3.93
ASC Confidence:	Great Soil Group:	No suitable group
No analytical data are available but confidence is fair.		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, <0.25m, Isolated plants. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia argyrodendron
Tall Strata - , , . *Species includes - None Recorded

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

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A3	0.1 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3); Clear change to -
B21	0.4 - 0.7 m	Dark grey (10YR4/1-Moist); ; Fine sandy light clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.55); Clear change to -
B22	0.7 - 0.9 m	Greyish brown (10YR5/2-Moist); ; Fine sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 9 (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 Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
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