

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2406 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	10/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7905458 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	368150 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Class Undetermined Brown Sodosol		Principal Profile Form:	Dy3.23
ASC Confidence:		Great Soil Group:	N/A

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Bothriochloa decipiens, Unknown species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus papuana
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus polycarpa

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

Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (2.5Y4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.02); Clear change to -
A2	0.05 - 0.3 m	Dark greyish brown (2.5Y4/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 10-20%, medium gravelly, 6-20mm, angular tabular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A3	0.3 - 0.5 m	Olive brown (2.5Y4/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Clear change to -
B21	0.5 - 0.7 m	Light olive brown (2.5Y5/4-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; 20-50%, medium gravelly, 6-20mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 7 (Raupach, 0.6); Gradual change to -
B22	0.7 - 1 m	Light olive brown (2.5Y5/4-Moist); Mottles, 5Y42, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Sandy light medium clay; Smooth-ped fabric; Moderately moist; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable 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