

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2423 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7947312 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	366208 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	8 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Humose Mesotrophic Grey Dermosol Very thick Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dy5.21
ASC Confidence:	Great Soil Group:	No suitable

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, Closed or dense. *Species includes - Themeda triandra, Heteropogon triticeus, Imperata cylindrica Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Casuarina torulosa, Lophostemon suaveolens

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus polycarpa, Lophostemon suaveolens, Casuarina torulosa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.45 m	Black (10YR2/1-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Granular; Moderately moist; 0-2%, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
A12	0.45 - 0.6 m	Dark greyish brown (2.5Y4/2-Moist); ; Clay loam; Weak grade of structure, 2-5 mm, Granular; Moderately moist; 0-2%, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.5); Clear change to -
A2	0.6 - 0.7 m	Light olive brown (2.5Y5/4-Moist); ; Clay loam (Heavy); Weak grade of structure, 2-5 mm, Granular; Moist; 10-20%, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.65); Abrupt change to -
BC	0.7 - 0.9 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 5YR46, 10-20% , 5-15mm, Prominent; Mottles, 10YR42, 10-20% ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moist; 50-90%, coarse gravelly, 20-60mm, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				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
		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