

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2184 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	23/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7896120 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	286622 Datum: AGD66	Drainage:	No Data

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

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Lithocalcic Brown Dermosol Medium Slightly gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Uf6.31
ASC Confidence:	Great Soil Group:	Brown clay

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Acacia spectabilis
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus papuana, Eucalyptus erythrophloia,

Eucalyptus

Surface Coarse Fragments: 2-10%, stony, 200-600mm, subangular, Gabbro

Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Heavy); Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.02); Abrupt change to -
A12	0.05 - 0.22 m	Dark brown (7.5YR3/2-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Clear change to -
B1	0.22 - 0.45 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4); Clear change to -
B21	0.45 - 0.75 m	Dark yellowish brown (10YR3/4-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, coarse gravelly, 20-60mm, subangular, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.6); Gradual change to -
B22	0.75 - 1.05 m	Dark yellowish brown (10YR4/4-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moist; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.9); Clear change to -
BC	1.05 - 1.2 m	Strong brown (7.5YR4/6-Moist); ; Sandy light medium clay; Massive grade of structure; Smooth-ped fabric; Moist; Firm consistence; Very many (50 - 100 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; , Gypseous, , , Soil matrix is Highly calcareous; Field pH 9.5 (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	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	
		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