

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1872 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	07/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7851004 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	274048 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Shale

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-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
Haplic Eutrophic Red Dermosol		Principal Profile Form:	Dr3.13
ASC Confidence:		Great Soil Group:	N/A

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, 0.51-1m, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Eucalyptus species,

Erythroxylon

australe

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus species

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, subangular platy, Shale

Profile Morphology

A1	0 - 0.27 m	Light yellowish brown (10YR6/4-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; 90-100%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.1); Abrupt change to -
B21	0.27 - 0.42 m	Reddish brown (5YR4/4-Moist); Mottles, 2.5Y5/4, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.4); Clear change to -
B22	0.42 - 0.55 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.5); Clear change to -
BC	0.55 - 0.8 m	Light olive brown (2.5Y5/4-Moist); ; Silty clay loam; Dry; Very firm consistence; 90-100%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.7);
C	0.8 - 1 m	Pale olive (5Y6/4-Moist); ; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 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 GV	Size CS	Analysis FS	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