

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1886 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	09/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7836793 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	260106 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.1
ASC Confidence:		Great Soil Group:	Black earth

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, Isolated plants. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca bracteata, Eucalyptus papuana
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus papuana

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subangular,

Profile Morphology

A11	0 - 0.03 m	Very dark grey (5Y3/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Rough-ped fabric; Dry; Weak consistence; ; Calcareous, , ; ; Gypseous, , ; Field pH 7 (Raupach, 0.02); Abrupt change to -
B21	0.03 - 0.52 m	Very dark grey (5Y3/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Rigid consistence; ; Calcareous, , ; ; Gypseous, , ; Field pH 7.5 (Raupach, 0.4); Clear change to -
C	0.52 - 0.62 m	Dark olive grey (5Y3/2-Moist); ; Dry; ; Calcareous, , ; ; Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9 (Raupach, 0.55);

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
		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