

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1508 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7725543 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	365538 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, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Crusty Black Vertosol Slightly gravelly Medium fine Very fine Deep	Principal Profile Form:	Ug5.16
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, 0.26-0.5m, Mid-dense. *Species includes - Eulalia aurea, Dichanthium species, Aristida

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Eucalyptus papuana

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

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

A1	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.02); Abrupt change to -
A2	0.03 - 0.06 m	Very dark grey (10YR3/1-Moist); ; Light clay (Heavy); Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Abrupt change to -
B21	0.06 - 0.35 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B22	0.35 - 1.1 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5 (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	CS	Size FS	Analysis 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