

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2024 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	11/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7742415 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	458968 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endohypersodic Crusty Black Vertosol Gravelly Fine Medium fine Moderately deep	Principal Profile Form:	Ug5.4
ASC Confidence:	Great Soil Group:	Grey 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, 0.51-1m, Very sparse. *Species includes - Dichanthium species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Lysiphillum carronii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia harpophylla

Surface Coarse Fragments: 10-20%, cobbly, 60-200mm, angular, Sandstone

Profile Morphology

A1	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.03); Gradual change to -
B21	0.03 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.2); Abrupt change to -
B22	0.3 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 0.4);
B3	0.6 - 0.9 m	Light yellowish brown (2.5Y6/4-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 0.8);

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