

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2212 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	21/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7891008 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	299777 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Sodic Eutrophic Brown Dermosol Medium Non-gravelly Silty Clayey Deep	Principal Profile Form:	Uf3
ASC Confidence:	Great Soil Group:	No suitable

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, Sparse. *Species includes - Themeda triandra
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus persistens,

Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.1);
A2j	0.15 - 0.35 m	Dark yellowish brown (10YR4/4-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , , Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2);
B1	0.35 - 0.5 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR46, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, Jasper, coarse fragments; , , Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.4);
B21	0.5 - 0.62 m	Yellowish brown (10YR5/6-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, fine gravelly, 2-6mm, rounded, dispersed, Jasper, coarse fragments; , , Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.55);
B22	0.62 - 1 m	Brownish yellow (10YR6/6-Moist); Mottles, 5YR56, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, Jasper, coarse fragments; , , Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.7);

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

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Laboratory Analyses Completed for this profile