

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2020 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Bright, J (Mitch)	Locality:
Date Desc.: 10/06/93	Elevation: No Data
Map Ref.: Sheet No. : 8255 GPS	Rainfall: No Data
Northing/Long.: 7641580 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 475548 Datum: AGD66	Drainage: Moderately well drained

Geology

Exposure Type: No Data	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: Undisturbed soil core, Sandstone

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Mottled Eutrophic Red Kandosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form: Db2.11
ASC Confidence:	Great Soil Group: Red 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, Isolated plants. *Species includes - None recorded
 Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Acacia argyrodendron, Lysiphillum carronii
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Acacia argyrodendron, Eucalyptus brownii

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subangular, Quartz

Profile Morphology

A1	0 - 0.15 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 4.5 (Raupach, 0.05); Gradual change to -
A3	0.15 - 0.5 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 4.5 (Raupach, 0.3); Clear change to -
B2	0.5 - 0.7 m	Yellowish red (5YR4/6-Moist); Mottles, 10YR54, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.6); Gradual change to -
BC	0.7 - 1.25 m	; Loamy sand; Sandy (grains prominent) fabric; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (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	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