

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 684 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 30/07/91	Elevation: No Data
Map Ref.: Sheet No. : 8158 GPS	Rainfall: No Data
Northing/Long.: 7805828 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 447153 Datum: AGD66	Drainage: Well drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Upper-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Very gently sloped
Slope: 2 %	Aspect: 170 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Chromosol Medium Slightly gravelly	Principal Profile Form: Dr2.22
Sandy Clayey Moderately deep	
ASC Confidence:	Great Soil Group: Non-calci brown soil
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, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa pertusa

Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus crebra

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subangular, Granodiorite

Profile Morphology

A11	0 - 0.06 m	Very dark brown (10YR2/2-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
A12	0.06 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Coarse sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
B1	0.12 - 0.3 m	Dark brown (7.5YR3/4-Moist); ; Coarse sandy light clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear change to -
B21	0.3 - 0.45 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
B/C	0.45 - 0.65 m	; Sandy medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Moderately moist; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5);
C	0.65 - 0.75 m	; Earthy fabric; Moderately moist; , Calcareous, , , , Gypseous, , , ;

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