

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 705 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 02/08/91	Elevation: 300 metres
Map Ref.: Sheet No. : 8158 GPS	Rainfall: No Data
Northing/Long.: 7813546 AMG zone: 55	Runoff: No Data
Easting/Lat.: 438602 Datum: AGD66	Drainage: No Data

Geology

ExposureType: 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 rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Upper-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Very gently sloped
Slope: 3 %	Aspect: 30 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached-Mottled Eutrophic Red Chromosol Medium Slightly gravelly Loamy Clayey Moderately deep	Principal Profile Form: Dy3.43
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, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa
ewartiana,
Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus papuana

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Sandstone

Profile Morphology

A1	0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05);
A21	0.05 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Clayey fine sand; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, subangular, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ,
A22e	0.12 - 0.22 m	Brown (7.5YR4/3-Moist); ; Clayey fine sand; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ,
B21	0.22 - 0.5 m	Yellowish red (5YR4/6-Moist); Mottles, 5YR4/3, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Moderate grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Moderately moist; Very strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3);
B/C	0.5 - 0.65 m	; 50-90%, cobbly, 60-200mm, angular platy, stratified, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.6);
C	0.65 - 0.7 m	; , Calcareous, , , , Gypseous, , ,

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	Acidity					%
						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