

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 631 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	28/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158-1 GPS	Rainfall:	No Data
Northing/Long.:	7843084 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	429960 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Terrace flat	Slope Category:	Level
Slope:	1 %	Aspect:	180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Very thick Non-gravelly	Principal Profile Form:	Uc4.22
Sandy Loamy Very deep	Great Soil Group:	Earthy sand

ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Closed or dense. *Species includes - Heteropogon contortus, Chrysopogon fallax, Aristida species Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus platyphylla

tereticornis Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus tessellaris, Eucalyptus crebra, Eucalyptus

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Dark reddish brown (5YR3/3-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots;
A12	0.05 - 0.25 m	Dark reddish brown (5YR3/4-Moist); ; Fine sand; Weak grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Angular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Few, fine (1-2mm) roots;
A13	0.25 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Loamy fine sand (Light); Weak grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, 10-20 mm, Angular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.8 (Raupach, 0.3); Few, fine (1-2mm) roots;
A2	0.6 - 1.5 m	Strong brown (7.5YR4/6-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , Field pH 6.8 (Raupach, 0.9); Few, very fine (0-1mm) roots;
B	1.5 - 2.1 m	Yellowish red (5YR4/6-Moist); ; Loamy sand; Weak grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.8 (Raupach, 1.8); Few, very fine (0-1mm) roots;

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	
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