

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 802 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	15/10/91	Elevation:	240 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7704945 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	413106 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy3
ASC Confidence:		Great Soil Group:	Yellow podzolic 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, 1.01-3m, Mid-dense. *Species includes - Heteropogon contortus, Chrysopogon fallax

Mid Strata - , , . *Species includes - Eremophila mitchellii

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11j	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.05);
A12	0.05 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.3);
A2e	0.4 - 0.6 m	Light yellowish brown (10YR6/4-Moist); , 10YR58, 0-2% , 0-5mm, Distinct; , 0-2% ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.6);

Morphological Notes

Observation 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