

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 919 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	23/04/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7688470 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	449447 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, Consolidated rock (unidentified)

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Reticulate Mesotrophic Brown Chromosol Thick Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Dy3.42
ASC Confidence:	Great Soil Group:	Lateritic 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 - Hummock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Melaleuca nervosa, Eucalyptus shirleyi
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi, Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.05);
A2c	0.15 - 0.45 m	Light brownish grey (10YR6/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3);
B2	0.45 - 0.6 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR62, 2-10% , 15-30mm, Distinct; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Concretions; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);

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