

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 374 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	13/08/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7746310 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	469508 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Siltstone

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	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
Sodic Eutrophic Brown Chromosol Thick Non-gravelly Silty Clayey Moderately deep	Principal Profile Form:	Dy3.32
ASC Confidence:	Great Soil Group:	Solodic 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, 0.26-0.5m, Sparse. *Species includes - Eragrostis species, Sporobolus species, Aristida
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus brownii, Petalostigma pubescens, Erythroxylon
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear, Smooth change to -
A2j	0.12 - 0.3 m	Brown (10YR4/3-Moist); ; Silty loam (Light); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Abrupt, Smooth change to -
B21	0.3 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 5YR58, 20-50% , 0-5mm, Distinct; Mottles, 20-50% ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.6); Abrupt, Wavy change to -
C	0.6 - 0.9 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					%
							(+)/kg					
0.3 - 0.6	7.6A											
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.3 - 0.6												
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	mm/h	mm/h		
					g/g - m3/m3							
0.3 - 0.6												

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension