

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1260 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	29/06/92	Elevation:	320 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7858582 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	392550 Datum: AGD66	Drainage:	Imperfectly drained

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:	Undulating plains <9m 3-10%	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	180 degrees

Surface Soil Condition (dry): Self-mulching, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol Slightly gravelly Medium fine Medium fine Moderately deep	Principal Profile Form:	Ug5.16
ASC Confidence:	Great Soil Group:	Black earth

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 - Cynodon dactylon
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.17 m	Black (7.5YR2/0-Moist); ; Light medium clay; Strong grade of structure, Polyhedral; Smooth-ped fabric; , Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
B21	0.17 - 0.4 m	Black (7.5YR2/0-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; , Calcareous, , , ; Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8 (Raupach, 0.25); Clear change to -
B22	0.4 - 0.75 m	Black (7.5YR2/0-Moist); ; Medium clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Common (10 - 20 %), Calcareous, Medium (2 - 6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.6); Abrupt change to -
C	0.75 - 1.4 m	Reddish brown (5YR5/3-Moist); ; Clay loam; Moderate grade of structure, Platy; Smooth-ped fabric; Many (20 - 50 %), Calcareous, , Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 1.1);

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