

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2067 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	10/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7620282 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	482073 Datum: AGD66	Drainage:	Moderately 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:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Kandosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn2.42
ASC Confidence:	Great Soil Group:	No suitable group

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, 0.51-1m, Very sparse. *Species includes - Unknown species, Unknown species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Hakea species, Melaleuca species, Erythroxylon
australe

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus papuana, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.04); Abrupt change to -
A12	0.08 - 0.15 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.55 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy light clay (Light); Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Clear change to -
B22	0.55 - 0.9 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.7); Gradual change to -
BC1	0.9 - 1.1 m	Olive yellow (2.5Y6/6-Moist); Mottles, 10R48, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Clay loam, fine sandy; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 1.1);
BC2	1.1 - 1.5 m	; , Calcareous, , , , Gypseous, , ,

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

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Laboratory Analyses Completed for this profile