

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1929 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7842396 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	274555 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Calcic Brown Dermosol Medium Slightly gravelly	Principal Profile Form:	Uf6.33
Clayey Clayey Moderately deep	Great Soil Group:	No suitable group

ASC Confidence:
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, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus crebra, Hakea species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

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

Profile Morphology

A11	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
A12	0.03 - 0.2 m	Dark brown (10YR3/3-Moist); ; Coarse sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.1); Gradual change to -
B21	0.2 - 0.65 m	Brown (10YR5/3-Moist); ; Coarse sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.45); Gradual change to -
BC	0.65 - 0.95 m	Light yellowish brown (10YR6/4-Moist); ; Coarse sandy medium clay; Smooth-ped fabric; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 8.5 (Raupach, 0.9);

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