

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2021 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	10/06/93	Elevation:	320 metres
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7635974 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	471814 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Mudstone

Land Form

Rel/Slope Class:	Undulating hills 90-300m 3-	Pattern Type:	Hills
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Surface flake

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol Medium Very gravelly Loamy Clayey Shallow	Principal Profile Form:	Db1.13
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, <0.25m, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii, Acacia ??? (from WARLUS V),
Erythroxylon australe
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia ??? (from WARLUS V), Eucalyptus

thozetiana

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, angular, Sandstone

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
B21	0.1 - 0.2 m	Brown (7.5YR5/4-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
B22	0.2 - 0.35 m	Strong brown (7.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.25); Gradual change to -
BC	0.35 - 0.5 m	Brown (7.5YR5/4-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, angular, Mudstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 0.4); Gradual change to -
C	0.5 - 0.7 m	; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 2021 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

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			%		

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

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 2021 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile