

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2026 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	11/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7635432 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	449122 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Gypsic Calcic Black Dermosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn3.49
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, 0.26-0.5m, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Lysiphillum carronii, Eremophila mitchellii
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii, Owenia acidula

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Brown (10YR4/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Clear change to -
A2e	0.12 - 0.2 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.5 (Raupach, 0.15); Abrupt change to -
B1	0.2 - 0.45 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 8 (Raupach, 0.4); Gradual change to -
B21	0.45 - 0.75 m	Very dark brown (10YR2/2-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; ; Gypseous, ; ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.7); Gradual change to -
B22	0.75 - 1 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals; Soil matrix is Slightly calcareous; Field pH 9 (Raupach, 0.9); Clear change to -
B23	1 - 1.4 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Gypseous, Fine (0 - 2 mm), Crystals; Field pH 8.5 (Raupach, 1.3);

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:** 2026 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 2026 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: 2026 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile