

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1947 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	21/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7834388 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	247867 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, Graywacke

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cryptogam surface

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol Medium Non-gravelly Loamy Clayey Moderately deep		Principal Profile Form:	Dy3.62
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable group

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Heteropogon contortus, Chrysopogon fallax Mid Strata - Shrub, 3.01-6m, Sparse. *Species includes - Petalostigma banksii

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

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

Profile Morphology

A11	0 - 0.11 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
A2	0.11 - 0.25 m	Brown (7.5YR5/4-Moist); ; Coarse sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Graywacke, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Diffuse change to -
B21	0.25 - 0.6 m	Strong brown (7.5YR5/6-Moist); Mottles, 5YR58; Mottles; Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Graywacke, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Diffuse change to -
B22	0.6 - 0.9 m	White (10YR8/1-Moist); ; Sandy light clay; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.7);
R	0.9 - 0.91 m	Rock

Morphological Notes

Observation 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 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

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Laboratory Analyses Completed for this profile