

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1945 **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.:	7831824 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	261138 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, Quartz porphyry

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Scarp	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Supracalcic Subnatric Brown Sodosol Medium Very gravelly		Principal Profile Form:	Db1.13
Clay-loamy 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 - Sporobolus species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Terminalia oblongata, Eremophila mitchellii, Atalaya hemiglauc

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm, angular, Quartz porphyry

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR4/2-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Platy; Smooth-ped fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subangular, Quartz porphyry, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to -
A3	0.08 - 0.12 m	Brown (7.5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; 90-100%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz porphyry, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.12 - 0.3 m	Brown (7.5YR4/3-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Quartz porphyry, coarse fragments; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.2); Gradual change to -
BC	0.3 - 0.7 m	Brown (7.5YR5/3-Moist); ; Sandy medium clay; Moderate grade of structure; Moderately moist; Firm consistence; 50-90%, medium gravelly, 6-20mm, subangular, Quartz porphyry, coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site 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	CS	Size FS	Analysis 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