

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2076 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	22/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7645886 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	451071 Datum: AGD66	Drainage:	Moderately well 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Brown Dermosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn4.33
ASC Confidence:	Great Soil Group:	Brown earth

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, Isolated plants. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Lysiphillum carronii, Erythroxylon australe

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Fine sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.12 - 0.58 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.5); Clear change to -
D	0.58 - 0.95 m	Brown (7.5YR4/4-Moist); ; Clayey sand; Single grain grade of structure; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 0.9);

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