

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1962 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	24/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7758 GPS	Rainfall:	No Data
Northing/Long.:	7836488 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	215696 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Mid-slope	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
Manganic Eutrophic Brown Ferrosol Thick Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.22
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, Sparse. *Species includes - Themeda triandra
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, rounded, Ironstone

Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Moderate grade of structure, Granular; Smooth-ped fabric; Dry; Weak consistence; , , Medium (2 -6 mm); , , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Gradual change to -
A12	0.05 - 0.2 m	Dark brown (7.5YR3/3-Moist); ; Clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; Very few (0 - 2 %), , Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Gradual change to -
A13	0.2 - 0.42 m	Strong brown (7.5YR4/6-Moist); ; Clay loam (Heavy); Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), , , Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B1	0.42 - 0.5 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Many (20 - 50 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.45); Clear change to -
B2	0.5 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g -	m3/m3			mm/h mm/h

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Laboratory Analyses Completed for this profile