

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 463 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	04/11/91	Elevation:	285 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7724552 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	436947 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	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
Eutrophic Subnatric Brown Sodosol Medium Non-gravelly	Principal Profile Form:	Db1.52
Clay-loamy Clayey Moderately deep		
ASC Confidence:	Great Soil Group:	Brown podzolic soil
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, 0.51-1m, Mid-dense. *Species includes - Aristida species, Chrysopogon fallax, Sporobolus species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus species, Erythroxylon australe, Eremophila mitchellii

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark reddish grey (5YR4/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Gradual change to -
A3	0.12 - 0.2 m	Reddish brown (5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , , Gradual change to -
B21	0.2 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Massive grade of structure; Dry; Weak consistence; Very many (50 - 100 %), Manganiferous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4);

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