

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1764 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	23/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7656715 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	433486 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, Sandstone

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Brown Chromosol Thin Non-gravelly Sandy Clayey Moderately deep		Principal Profile Form:	Dy4.43
ASC Confidence:		Great Soil Group:	Solodic soil
Confidence level not specified			

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

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - Chrysopogon fallax, Cyperus species, Enteropogon species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Grevillea species
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus melanophloia, Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Brown (7.5YR4/4-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to -
A12	0.08 - 0.3 m	Brown (10YR4/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.7 (Raupach, 0.2); Gradual change to -
A13	0.3 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -
A2e	0.6 - 0.7 m	Light grey (10YR7/1-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.65);
B2	0.7 - 1 m	Yellowish brown (10YR5/6-Moist); ; Light clay; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.8);

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