Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **953** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Bright, J (Mitch)	**Locality:**	
Date Desc.:	01/09/92	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8057 GPS	**Rainfall:**	No Data
Northing/Long.:	7761042 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	362615 Datum: AGD66	**Drainage:**	Rapidly drained

Geology

ExposureType:	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 rises 9-30m 1-3%	**Pattern Type:**	Rises
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:
Basic Paralithic Bleached-Leptic Tenosol Very thick Non-gravelly Sandy Sandy Moderately deep

Mapping Unit: N/A
Principal Profile Form: Uc2.23

ASC Confidence:
All necessary analytical data are available.

Great Soil Group: Siliceous sand

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species, Chrysopogon fallax, Eriachne

Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Grevillea glauca, Petalostigma pubescens, Eucalyptus species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus papuana

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A1	0 - 0.03 m	Brown (10YR4/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.03); Clear change to -
A21e	0.03 - 0.55 m	Very pale brown (10YR7/4-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Gradual change to -
A22e	0.55 - 0.6 m	Very pale brown (10YR7/4-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.03	5.6A									
0.55 - 0.6	6.8A									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.03												
0.55 - 0.6												

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
0 - 0.03										
0.55 - 0.6										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension