Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1761** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Bright, J (Mitch)	**Locality:**	
Date Desc.:	22/07/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8155 GPS	**Rainfall:**	No Data
Northing/Long.:	7646984 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	423089 Datum: AGD66	**Drainage:**	Moderately well 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 plains <9m 1-3%	**Pattern Type:**	Plain
Morph. Type:	Simple-slope	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Gently inclined
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached Eutrophic Brown Dermosol Thin Non-gravelly Clay-loamy Clayey Deep

Mapping Unit: N/A
Principal Profile Form: Db1.43

ASC Confidence:
Confidence level not specified

Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - Triodia mitchelii, Dichanthium sericeum, Bothriochloa ewartiana Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Hakea species

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana, Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Very dark brown (10YR2/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.2 m	Dark yellowish brown (10YR3/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Abrupt change to -
A13	0.2 - 0.4 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
A14	0.4 - 0.6 m	Dark yellowish brown (10YR4/6-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.5); Clear change to -
A2e	0.6 - 0.7 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Single grain grade of structure; Sandy (grains prominent) fabric; Firm consistence; 90-100%, medium gravelly, 6-20mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.65); Clear change to -
B2	0.7 - 1 m	Dark yellowish brown (10YR4/6-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
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%

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			%		

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