Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2009** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Barry, Earl	**Locality:**	
Date Desc.:	08/06/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8245 GPS	**Rainfall:**	No Data
Northing/Long.:	7615927 AMG zone: 55	**Runoff:**	Rapid
Easting/Lat.:	470575 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, Mudstone

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	No Data
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Very gently sloped
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Pedaric Brown Dermosol Thin Slightly gravelly Clay-loamy Clayey Shallow

Mapping Unit: N/A
Principal Profile Form: Db1.13

ASC Confidence:
No analytical data are available but confidence is fair.

Great Soil Group: Solodic soil

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

Vegetation:
Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eremophila mitchellii
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular,

Profile Morphology

A11	0 - 0.09 m	Brown (7.5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Ferricrete, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.09 - 0.22 m	Brown (7.5YR4/4-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.15); Clear change to -
BC	0.22 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 50-90%, coarse gravelly, 20-60mm, angular, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.25);
C	0.4 - 0.5 m	; Dry; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach, 0.5);

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