Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1849** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 07/07/93
Map Ref.: Sheet No. : 8155 GPS
Northing/Long.: 7668538 AMG zone: 55
Easting/Lat.: 416786 Datum: AGD66

Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data

Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: No Data
Elem. Type: Plain
Slope: 4 %

Pattern Type: Plain
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Supracalcic Subnatric Brown Sodosol
ASC Confidence:
No analytical data are available but confidence is fair.

Mapping Unit: N/A
Principal Profile Form: Db1.13
Great Soil Group: No suitable group

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Unknown species, Sporobolus species, Aristida species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia argyrodendron, Eremophila mitchellii

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Sandstone

Profile Morphology

A11	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
B21	0.09 - 0.38 m	Dark brown (10YR3/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.3); Clear change to -
B22	0.38 - 0.7 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.6); Gradual change to -
B23	0.7 - 1 m	Brownish yellow (10YR6/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.9); Gradual change to -
B24	1 - 1.1 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Many (20 - 50 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 1.1);

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