Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1719** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	13/05/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8055 GPS	**Rainfall:**	No Data
Northing/Long.:	7656360 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	394964 Datum: AGD66	**Drainage:**	Poorly 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:	Level plain <9m <1%	**Pattern Type:**	Plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:
Gypsic Regolithic Calcic Calcarosol
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Ug5.24
Great Soil Group: Grey clay

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Enneapogon species, Cyperus species,
Digitaria speciesMid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Acacia cambagei, Acacia argyrodendron

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia argyrodendron, Acacia harpophylla

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (2.5Y4/2-Moist); ; Sandy light clay; Strong grade of structure, <2 mm, Granular; Rough-ped fabric; Dry; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9.5 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.6 m	Greyish brown (2.5Y5/2-Moist); ; Sandy medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9.5 (Raupach, 0.3); Gradual change to -
B22	0.6 - 1.2 m	Greyish brown (2.5Y5/3-Moist); ; Sandy medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9.5 (Raupach, 0.9); Gradual change to -
B23	1.2 - 2.1 m	Light olive brown (2.5Y5/4-Moist); Mottles, 2.5Y43, 2-10% , 0-5mm, Faint; Mottles, 2-10% ; Sandy medium heavy clay; 20-50 mm; Smooth-ped fabric; Moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Many (20 - 50 %), Gypseous, Medium (2 -6 mm), Crystals; Soil matrix is Very highly calcareous; Field pH 9.5 (Raupach, 1.9);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 1719 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1719** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile