Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR**   **Site ID:** **1944**   **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Bright, J (Mitch)	**Locality:**	
Date Desc.:	20/09/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7858 GPS	**Rainfall:**	No Data
Northing/Long.:	7840226 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	270215 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Undisturbed soil core, Basalt

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	Hills
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	4 %	**Aspect:**	No Data

Surface Soil Condition (dry):   Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	**Mapping Unit:**	N/A
Haplic Self-Mulching Brown Vertosol Non-gravelly Medium fine Medium fine Very deep	**Principal Profile Form:**	Ug5.3
ASC Confidence:	**Great Soil Group:**	Black earth
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Heteropogon contortus
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), , , Nodules; Common (10 - 20 %), Calcareous, , Nodules; , Gypseous, , ; Field pH 6 (Raupach, 0.05);
A12	0.1 - 0.3 m	Dark brown (7.5YR3/3-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2);
B21	0.3 - 0.6 m	Dark brown (10YR3/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4);
B22	0.6 - 1.1 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.7);
D	1.1 - 1.6 m	Light grey (5Y7/2-Moist); ; Sandy medium clay; Massive grade of structure; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.2);

Morphological Notes

Observation Notes

Site Notes

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	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis		
		C	P	P	N	K	Density	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