Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **350** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M. DeCorte	**Locality:**	
Date Desc.:	01/08/91	**Elevation:**	380 metres
Map Ref.:	Sheet No. : 8157 GPS	**Rainfall:**	No Data
Northing/Long.:	7753506 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	409893 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	Rises
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	2.5 %	**Aspect:**	0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mottled-Subnatric Brown Sodosol Thick Non-gravelly Sandy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: Dy3.43

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

Great Soil Group: Solodized solonetz

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Chrysopogon fallax, Heteropogon contortus, Bothriochloa pertusa Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual, Smooth change to -
A21	0.1 - 0.35 m	Brown (7.5YR5/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear, Smooth change to -
A22e	0.35 - 0.37 m	Very pale brown (10YR7/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Abrupt, Smooth change
B21	0.37 - 0.65 m	Yellowish brown (10YR5/6-Moist); Mottles, 5YR58, 20-50% , 0-5mm, Prominent; Mottles, 10YR54, 20-50% ; Medium clay; Strong grade of structure, 20-50 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.6);

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							%
0.37 - 0.65	7.9A									

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			%		
0.37 - 0.65												

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
0.37 - 0.65										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension