Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **594** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	23/05/91	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8158-1 GPS	**Rainfall:**	No Data
Northing/Long.:	7830887 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	424124 Datum: AGD66	**Drainage:**	Poorly 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:	Gently undulating rises 9-30m 1-3%	**Pattern Type:**	Rises
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Gently inclined
Slope:	3 %	**Aspect:**	110 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mottled-Subnatric Yellow Sodosol Thick Non-gravelly Loamy Clayey Deep

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

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

Great Soil Group: Solodic soil

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Heteropogon contortus, Bothriochloa species, Dichanthium species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Grevillea striata, Casuarina leuhmannii
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Very dark brown (10YR2/3-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.05 - 0.2 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to -
A21e	0.2 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam (Heavy); Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.8 (Raupach, 0.3); Gradual change to -
B1	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); Abrupt change to -
B2	0.6 - 1.2 m	Light olive brown (2.5Y5/6-Moist); Substrate influence, 5Y63, 20-50% , 5-15mm, Prominent; Substrate influence, 5Y44, 20-50% ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 1.2);

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