Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2302** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	09/05/94	**Elevation:**	680 metres
Map Ref.:	Sheet No. : 8060 GPS	**Rainfall:**	No Data
Northing/Long.:	7918018 AMG zone: 55	**Runoff:**	No Data
Easting/Lat.:	371190 Datum: AGD66	**Drainage:**	No Data

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 low hills 30-90m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	5 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Melanic-Mottled Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey Deep

Mapping Unit: N/A

Principal Profile Form: Gn3.12

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

Great Soil Group: No suitable

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Bothriochloa pertusa, Aristida species, Heteropogon contortus Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus acmenoides, Casuarina torulosa

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus citriodora, Eucalyptus acmenoides

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A1	0 - 0.12 m	Very dark grey (10YR3/1-Moist); ; Clay loam, sandy; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
AB	0.12 - 0.4 m	Dark brown (7.5YR3/2-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B21	0.4 - 0.65 m	Yellowish red (5YR4/6-Moist); ; Sandy light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Diffuse change to -
B22	0.65 - 1.2 m	Red (10R4/6-Moist); Substrate influence, 10YR68, 10-20% , 5-15mm, Prominent; Substrate influence, 10-20% ; Sandy light clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 1.2);

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:** 2302 **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	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

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2302** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile