Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **472** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 05/11/91
Map Ref.: Sheet No. : 8256 GPS
Northing/Long.: 7708119 AMG zone: 55
Easting/Lat.: 464225 Datum: AGD66
Locality:
Elevation: 200 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 1 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mesonatric Grey Sodosol Medium Non-gravelly Sandy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dy2.13
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Aristida species, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Argemone species

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus platyphylla, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.3 m	Grey (10YR5/1-Moist); ; Sand; Massive grade of structure; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.05);
B2	0.3 - 0.6 m	Dark grey (10YR4/1-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Concretions; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.6);

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:** 472 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.3	6.8A		0.66B	1.4	0.25	0.78				
0.3 - 0.6	7.3A		1.6B	5.4	0.35	2.2		7.3I		30.14
			1.8J	5.1	0.2	2				27.40

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 - 0.3												
0.3 - 0.6												

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 - 0.3									
0.3 - 0.6									

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **472** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension