Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1379** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 20/08/92
Map Ref.: Sheet No. : 7957 GPS
Northing/Long.: 7769120 AMG zone: 55
Easting/Lat.: 298785 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very slow
Drainage: Imperfectly drained

Geology

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

Land Form

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

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

Erosion:

Soil Classification

Australian Soil Classification:
Epicalcareous Self-Mulching Black Vertosol Non-gravelly Medium fine Very fine Moderately deep

Mapping Unit: N/A
Principal Profile Form: Ug5.14

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Great Soil Group: Black earth

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Eulalia aurea, Paspalidium species, Aristida species

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Shrub, 1.01-3m, Isolated clumps. *Species includes - Melaleuca bracteata

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, subrounded, Basalt

Profile Morphology

A1	0 - 0.06 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ; Field pH 7 (Raupach, 0.03); Clear change to -
B21	0.06 - 0.35 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Lenticular; Smooth-ped fabric; Moderately moist; Common cutans, 10-50% of ped faces or walls coated; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.2); Gradual change to -
B22	0.35 - 0.8 m	Dark grey (5Y4/1-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; Many cutans, >50% of ped faces or walls coated; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.5);

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:** 1379 **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 - 0.06	7.6A		24B	30	0.35	0.21				
0.06 - 0.35	7.7A									
0.35 - 0.8	8.6A		27B	34	0.17	0.79				

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 - 0.06												
0.06 - 0.35												
0.35 - 0.8												

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 - 0.06									
0.06 - 0.35									
0.35 - 0.8									

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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
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension