

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2211 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Barry, Earl	Locality:
Date Desc.: 21/10/93	Elevation: No Data
Map Ref.: Sheet No. : 7959 GPS	Rainfall: No Data
Northing/Long.: 7897238 AMG zone: 55	Runoff: Slow
Easting/Lat.: 292434 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: Gently undulating plains <9m 1-3%	Pattern Type: Plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: Very gently sloped
Slope: 1 %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached-Mottled Eutrophic Black Dermosol Thin Non-gravelly Clay-loamy Clayey Very deep	Principal Profile Form: Gn3.4
ASC Confidence:	Great Soil Group: No suitable

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Bothriochloa species
 Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - None recorded
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A2e	0.09 - 0.2 m	Weak red (2.5YR5/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.55 m	Very dark greyish brown (10YR3/2-Moist); Mottles, 10YR46, 2-10% , 15-30mm, Distinct; Mottles, 2-10% ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.4); Clear
2A2e	0.55 - 0.63 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6); Abrupt change to -
2B21	0.63 - 0.9 m	Dark brown (10YR3/3-Moist); Mottles, 10YR44, 2-10% , 15-30mm, Distinct; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.7); Gradual change to -
2B22	0.9 - 1.2 m	Dark brown (10YR3/3-Moist); Mottles, 10YR44, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Fine sandy light clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 1); Gradual change to -
2B23	1.2 - 1.6 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 10YR34, 2-10% , 15-30mm, Distinct; Mottles, 2-10% ; Fine sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 1.3);

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:** 2211 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 2211 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
m		dS/m	Ca	Mg	K	Na			%
						Cmol (+)/kg			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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: 2211 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile