

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1951 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Bright, J (Mitch)	Locality:
Date Desc.: 22/09/93	Elevation: No Data
Map Ref.: Sheet No. : 7858 GPS	Rainfall: No Data
Northing/Long.: 7830699 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 276107 Datum: AGD66	Drainage: Poorly drained

Geology

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

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Mid-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: 4 %	Aspect: No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached-Mottled Eutrophic Brown Chromosol Medium	Principal Profile Form: Dy5.42
Moderately gravelly Sandy Clayey Deep	
ASC Confidence:	Great Soil Group: Yellow podzolic soil

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Heteropogon contortus, Chrysopogon fallax,

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

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Abrupt change to -
A2e	0.07 - 0.12 m	Brown (10YR5/3-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.12 - 0.45 m	Yellowish brown (10YR5/6-Moist); Mottles, 2.5Y63, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Coarse sandy medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Lenticular; Moderately moist; Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
B22	0.45 - 0.8 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 2.5YR48, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Coarse sandy medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Lenticular; Moderately moist; Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Clear change to -
B23	0.8 - 1.3 m	Yellowish brown (10YR5/8-Moist); Mottles, 10YR63, 0-2% , 5-15mm, Prominent; Mottles, 0-2% ; Fine sandy light clay; Weak grade of structure, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 1); Gradual change to -
B24	1.3 - 1.4 m	Strong brown (7.5YR5/6-Moist); Mottles, 10YR62, 0-2% , 5-15mm, Prominent; Mottles, 0-2% ; Fine sandy light clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Moderately moist; Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 1.35);
C	1.4 - 1.5 m	; , Calcareous, , , , Gypseous, , ;

Morphological Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 1951 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Site Notes

Observation Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 1951 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt Clay
		%	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:** 1951 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile