

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 688 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon
Date Desc.: 30/07/91
Map Ref.: Sheet No. : 8258 GPS
Northing/Long.: 7814786 AMG zone: 55
Easting/Lat.: 449273 Datum: AGD66
Locality:
Elevation: 360 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Chromosol Medium Non-gravelly Loamy
Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dr2.13

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Non-calcic brown soil

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa pertusa, Heteropogon contortus

Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Acacia bidwillii, Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam (Heavy); Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
B21	0.1 - 0.5 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4);
B/C	0.5 - 1.05 m	Dark red (2.5YR3/6-Moist); ; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.9);
C	1.05 - 1.25 m	; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 9 (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:** 688 **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		%

0 - 0.1	6.6A
0.1 - 0.5	6.8A
1.05 - 1.25	7.8A

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			%		

0 - 0.1
0.1 - 0.5
1.05 - 1.25

[illegible]

0 - 0.1
0.1 - 0.5
1.05 - 1.25

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 688 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension