

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1616 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	03/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7862654 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	323176 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Yellow Chromosol Thick Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dy2.32
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 - Bothriochloa species, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Grevillea species, Eremophila mitchellii
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.07 m	Brown (7.5YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.6 (Raupach, 0.05);
A12	0.07 - 0.23 m	Yellowish brown (10YR5/8-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.2);
A2j	0.23 - 0.35 m	Brownish yellow (10YR6/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.3);
B2	0.35 - 0.8 m	Yellowish brown (10YR5/6-Moist); Mottles, 10R36, 2-10% , 5-15mm, Prominent; Mottles, 10R33, 2-10% ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile