

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2248 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 22/10/93	Elevation: No Data
Map Ref.: Sheet No. : 7957 GPS	Rainfall: No Data
Northing/Long.: 7883356 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 334003 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: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Simple-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Very gently sloped
Slope: 3 %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting, Poached

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey	Principal Profile Form: Dr3.13
ASC Confidence:	Great Soil Group: No suitable

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, 0.51-1m, Sparse. *Species includes - Bothriochloa decipiens, Unknown species, Unknown

species Mid Strata - Shrub, 1.01-3m, Isolated plants. *Species includes - Acacia species

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Dark brown (10YR3/3-Moist); ; Clay loam, fine sandy; Moderate grade of structure, 10-20 mm, Platy; Rough-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.08); Clear change to -
B21	0.13 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
B22	0.3 - 0.52 m	Dark red (2.5YR3/6-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Clear change to -
BC	0.52 - 0.7 m	Dark olive (5Y3/4-Moist); ; Light clay (Heavy); Dry; Strong consistence; 50-90%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.7);
BC	0.7 - 1.3 m	; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 1.2);

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	Acidity					%
						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	
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