

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1507 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7721386 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	367624 Datum: AGD66	Drainage:	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:	Level plain <9m <1%	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
Haplic Petroferric Brown Kandosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn2.21
ASC Confidence:	Great Soil Group:	Yellow earth

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 - Aristida species, Chrysopogon fallax, Heteropogon contortus
Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Eucalyptus melanophloia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A12	0.05 - 0.15 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.15 - 0.4 m	Light olive brown (2.5Y5/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.75 m	Olive yellow (2.5Y6/6-Moist); Mottles, 10YR56, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.7);

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