

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1303 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/07/92	Elevation:	400 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7868532 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	380353 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	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 rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Brown Chromosol Thick Non-gravelly Sandy Clayey Moderately deep		Principal Profile Form:	Dr2.21
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Non-calciic brown soil

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, Themeda triandra, Aristida
species Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra, Planchonia careya
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; 10-20%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.03); Abrupt change to -
A12	0.05 - 0.2 m	Strong brown (7.5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Clear change to -
A13	0.2 - 0.37 m	Yellowish red (5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Clear change to -
B21	0.37 - 0.45 m	Dark red (2.5YR3/6-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Abrupt change to -
B22	0.45 - 0.6 m	Dark yellowish brown (10YR4/4-Moist); ; Light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (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