

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1102 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	08/05/92	Elevation:	340 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7820471 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	358481 Datum: AGD66	Drainage:	No Data

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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Self-Mulching Red Vertosol Non-gravelly Medium fine	Principal Profile Form:	Ug5.36
Very fine Moderately deep	Great Soil Group:	Brown clay

ASC Confidence:

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 - Themeda triandra, Dichanthium sericeum
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus platyphylla,

Eucalyptus

papua

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Very dark grey (10YR3/1-Moist); ; Medium clay (Heavy); Strong grade of structure, 10-20 mm, Granular; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.1); Clear change to -
B2	0.12 - 0.5 m	Dark reddish brown (5YR3/3-Moist); Mottles, 10YR31, 10-20% , 15-30mm, Distinct; Mottles, 10-20% ; Light medium clay; Strong grade of structure; Smooth-ped fabric; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Clear change to -
B3	0.5 - 0.68 m	Dark reddish brown (5YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Calcarenite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.12	6.8A								
0.12 - 0.5	6.9A								
0.5 - 0.68	8.3A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension