

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2424 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	13/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7947612 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	348642 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Ferric Orthic Tenosol Thick Slightly gravelly Loamy Clay-loamy Moderately deep	Principal Profile Form:	Um5.51
ASC Confidence:	Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Aristida species, Themeda triandra, Ophiuros

Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia aulacocarpa, Casuarina torulosa

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus acmenoides, Eucalyptus citriodora

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular,

Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; 2-10%, subangular, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; 10-20%, subangular, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Gradual change to -
A13	0.2 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; 50-90%, subangular, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
C	0.5 - 1.3 m	Dark red (2.5YR3/6-Moist); ; Sandy loam; Dry; 50-90%, subangular, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m		g/g - m ³ /m ³						mm/h	mm/h
0.00	0.00	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.05	0.05	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.10	0.10	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.15	0.15	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.20	0.20	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.25	0.25	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.30	0.30	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.35	0.35	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.40	0.40	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.45	0.45	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.50	0.50	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.55	0.55	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.60	0.60	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.65	0.65	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.70	0.70	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.75	0.75	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.80	0.80	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.85	0.85	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.90	0.90	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.95	0.95	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.00	1.00	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.05	1.05	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.10	1.10	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.15	1.15	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.20	1.20	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.25	1.25	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.30	1.30	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.35	1.35	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.40	1.40	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.45	1.45	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.50	1.50	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.55	1.55	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.60	1.60	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.65	1.65	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.70	1.70	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.75	1.75	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.80	1.80	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.85	1.85	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.90	1.90	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1.95	1.95	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.00	2.00	98.7	98.7	98.7	98.7	9			

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Laboratory Analyses Completed for this profile