

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2413 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	11/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7922595 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	356697 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Mesotrophic Brown Chromosol Thick Non-gravelly Sandy Clayey Deep	Principal Profile Form:	Db3.42
ASC Confidence:	Great Soil Group:	Brown podzolic soil
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 - Heteropogon contortus, Bothriochloa decipiens,
Eragrostis species Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus platyphylla, Grewia scabrella

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus platyphylla, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear change to -
A2	0.05 - 0.33 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Gradual change to -
A3	0.33 - 0.7 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.5); Gradual change to -
B21	0.7 - 1.2 m	Dark yellowish brown (10YR4/6-Moist); ; Fine sandy light clay; Moderate grade of structure; Dry; , Calcareous, , , , Gypseous, , , Field pH 7.5 (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	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.05	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.10	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.15	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.20	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.25	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.30	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.35	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.40	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.45	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.50	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.55	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.60	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.65	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.70	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.75	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.80	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.85	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.90	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
0.95	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.00	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.05	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.10	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.15	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.20	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.25	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.30	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.35	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.40	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.45	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.50	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.55	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.60	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.65	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.70	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.75	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.80	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.85	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.90	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
1.95	0.00	0.98	0.97	0.95	0.92	0.88	0.82	0.75	0.68
2.00	0.00	0.98	0.97	0.95	0.92	0			

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Laboratory Analyses Completed for this profile