

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 914 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/04/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7698412 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	454328 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:	Open depression (vale)	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol Thick Non-gravelly Sandy Clay-loamy Deep	Principal Profile Form:	Gn2.12
ASC Confidence:	Great Soil Group:	Red 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, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia species, Eucalyptus setosa
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus setosa, Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach,
A12	0.1 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.2);
B1	0.4 - 0.8 m	Red (10R4/8-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);
B2	0.8 - 1.1 m	Red (10R4/8-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (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