

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2252 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	23/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7890650 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	289433 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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:	Rolling rises 9-30m 10-32%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Loamy Clay-loamy Moderately 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 - None recorded
Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Acacia species
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, subangular, Sandstone

Profile Morphology

A11	0 - 0.13 m	Dark brown (7.5YR3/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6
B12	0.13 - 0.3 m	Brown (7.5YR4/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2);
A3	0.3 - 0.5 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4);
B2	0.5 - 0.75 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.6);
BC	0.75 - 1.4 m	; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2252 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca Mg K	Na Acidity			%
				Na 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	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.05	0.05	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.10	0.10	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.15	0.15	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.20	0.20	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.25	0.25	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.30	0.30	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.35	0.35	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.40	0.40	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.45	0.45	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.50	0.50	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.55	0.55	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.60	0.60	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.65	0.65	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.70	0.70	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.75	0.75	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.80	0.80	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.85	0.85	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.90	0.90	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.95	0.95	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.00	1.00	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.05	1.05	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.10	1.10	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.15	1.15	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.20	1.20	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.25	1.25	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.30	1.30	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.35	1.35	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.40	1.40	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.45	1.45	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.50	1.50	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.55	1.55	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.60	1.60	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.65	1.65	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.70	1.70	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.75	1.75	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.80	1.80	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.85	1.85	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.90	1.90	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1.95	1.95	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2.00	2.00	87.9	87.9	87.9	87.9	8			

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 2252 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile