

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 340 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	30/07/91	Elevation:	360 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7749108 AMG zone: 55	Runoff:	Rapid
Eastng/Lat.:	436511 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	140 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Eutrophic Brown Chromosol Thick Very gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Dy3.42
ASC Confidence:	Great Soil Group:	Solodic soil

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, 0.51-1m, Very sparse. *Species includes - Eriachne species, Aristida species, Chrysopogon

fallaxMid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - *Erythroxylon australe*

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - *Eucalyptus brownii*

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, subrounded, Rhyolite

Profile Morphology

A1	0 - 0.12 m	Brown (7.5YR4/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, dispersed, Rhyolite, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear, Smooth change to -
A2e	0.12 - 0.3 m	Light brown (7.5YR6/4-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, dispersed, Rhyolite, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.3); Abrupt, Smooth change to -
B21	0.3 - 0.6 m	Strong brown (7.5YR5/6-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, dispersed, Rhyolite, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6);

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