

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1362 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	18/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7756554 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	328704 Datum: AGD66	Drainage:	Rapidly drained

Geology

Exposure Type:	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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Bleached-Orthic Tenosol Thick Slightly gravelly Sandy Sandy Moderately deep	Principal Profile Form:	Uc2.21
ASC Confidence: No analytical data are available but confidence is fair.	Great Soil Group:	Siliceous sand

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Heteropogon contortus, Arundiella
nepalensis,
Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia species
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus quadricostata, Eucalyptus papuana,
Eucalyptus
erythrophloia

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

Profile Morphology

A1	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
A21e	0.09 - 0.22 m	Grey (10YR5/1-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.18); Clear change to -
A22e	0.22 - 0.5 m	Light brownish grey (10YR6/2-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.4); Clear change to -
B2	0.5 - 0.62 m	Light olive brown (2.5Y5/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (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
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			

0 - 0.09	5.7A
0.22 - 0.5	5.8A
0.5 - 0.62	5.8A

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			%		

0 - 0.09
0.22 - 0.5
0.5 - 0.62

[illegible]

0 - 0.09
0.22 - 0.5
0.5 - 0.62

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension