

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2351 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/10/94	Elevation:	No Data
Map Ref.:	Sheet No. : 7960 GPS	Rainfall:	No Data
Northing/Long.:	7934918 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	340748 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Sandstone

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Loose, Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Bleached-Orthic Tenosol Thick Non-gravelly	Principal Profile Form:	Uc2
Sandy Loamy Moderately deep		
ASC Confidence:	Great Soil Group:	Grey earth
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Unknown species, Unknown
Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Melaleuca species, Hakea species, Acacia species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Acacia species, Grevillea glauca

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 5 (Raupach, 0.04); Clear change to -
A12	0.08 - 0.4 m	Brown (10YR5/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.5 (Raupach, 0.3); Gradual change to -
A2e	0.4 - 0.65 m	Light yellowish brown (10YR6/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.5); Gradual change to -
B1	0.65 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; 10YR56, 2-10% , Prominent; ; 2-10% ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.7);

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			%

0.08 - 0.4	5.6A	0.09B	0.28	0.03	0.07
0.4 - 0.65	5.6A				

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			%		

0.08 - 0.4
0.4 - 0.65

[illegible]

0.08 - 0.4
0.4 - 0.65

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension