

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2365 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	27/10/94	Elevation:	No Data
Map Ref.:	Sheet No. : 7860 GPS	Rainfall:	No Data
Northing/Long.:	7925980 AMG zone: 55	Runoff:	Rapid
Eastng/Lat.:	260784 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Paralithic Regolithic Orthic Tenosol Medium Slightly gravelly Sandy Sandy Shallow	Mapping Unit: N/A Principal Profile Form: Uc5.11
ASC Confidence: Confidence level not specified	Great Soil Group: Earthy sand

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - *Bothriochloa* species, *Triodia mitchellii*
Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - *Petalostigma pubescens*, *Eucalyptus melanophloia*, *Acacia sutherlandii*
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - *Eucalyptus melanophloia*, *Eucalyptus peltata*.

Callitris species

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.03 m	Reddish brown (5YR4/4-Moist); ; Loamy sand (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
A12	0.03 - 0.11 m	Yellowish red (5YR5/6-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.08); Clear change to -
B21	0.11 - 0.35 m	Yellowish red (5YR5/8-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 50-90%, medium gravelly, 6-20mm, angular, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.25); Clear change to -
B22	0.35 - 0.45 m	Reddish yellow (5YR6/8-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 50-90%, medium gravelly, 6-20mm, angular, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.4);
R	0.45 - 0.46 m	Rock

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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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