

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1205 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	17/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7851368 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	370900 Datum: AGD66	Drainage:	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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Petroferric Orthic Tenosol Medium Slightly gravelly Peaty Very fine		Principal Profile Form:	Uc5.21
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 - Aristida species, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

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

Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.05); Abrupt change to -
A12	0.1 - 0.25 m	Brown (7.5YR4/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.15); Clear change to -
B2	0.25 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	7.1A		1.5B	0.37	0.24	0.02				
0.1 - 0.25	6.7A									
0.25 - 0.6	6.4A		0.58B	0.22	0.11	0.02				

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,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
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension