

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1528 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	14/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7686072 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	370273 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Petroferric Orthic Tenosol Medium Non-gravelly Sandy Loamy Moderately deep	Principal Profile Form:	Uc5.22
ASC Confidence:	Great Soil Group:	Earthy sand

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Aristida species, Heteropogon contortus, Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Alphitonia species

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.02); Abrupt change to -
A12	0.02 - 0.15 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Clear change to -
A13	0.15 - 0.45 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.35); Clear change to -
B2	0.45 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);

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 %
0.02 - 0.15	6.5A		1.7B	0.49	0.25	0.03				
0.15 - 0.45	8.1A									
0.45 - 0.7	7.9A		0.72B	0.31	0.1	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