

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1409 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	16/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7750544 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	391619 Datum: AGD66	Drainage:	Well 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Petroferric Orthic Tenosol		Principal Profile Form:	Uc5.11
ASC Confidence:		Great Soil Group:	Siliceous sand
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Aristida species, Heteropogon contortus, Chrysopogon fallax
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Petalostigma pubescens, Eucalyptus species, Bursaria

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus polycarpa

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subrounded, Ferricrete

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.4 m	Dark yellowish brown (10YR3/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to -
B22	0.4 - 0.6 m	Strong brown (7.5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.55);

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 Cmol (+)/kg	Acidity	%
0 - 0.1	6.8A		1.1B	0.38	0.15	0.03		
0.1 - 0.4	6.3A							
0.4 - 0.6	6.4A		0.54B	0.29	0.17	0.03		

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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