

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1218 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7837930 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	388917 Datum: AGD66	Drainage:	Imperfectly 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Supracalcic Subnatric Brown Sodosol Medium Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Db1.23
ASC Confidence:	Great Soil Group:	Solodic soil

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, Chrysopogon fallax, Chloris

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.08 m	Brown (7.5YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.03); Clear change to -
A2	0.08 - 0.2 m	Greyish brown (10YR5/2-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; 20-50%, cobbly, 60-200mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.55 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 0.3); Clear change to -
B22	0.55 - 0.7 m	Yellowish brown (10YR5/4-Moist); ; Sandy medium heavy clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , , ; Soil matrix is Highly calcareous; Field pH 8.5 (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 - 0.08	7.3A		0.86B	0.65	0.21	0.04				
0.08 - 0.2	7A									
0.2 - 0.55	7.6A									
0.55 - 0.7	8.7A		9.1B	12	0.11	3.6				

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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