

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1246 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	02/07/92	Elevation:	360 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7854204 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	376068 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:	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Subnatric Grey Sodosol Medium Non-gravelly Clay-loamy Clayey Very deep	Principal Profile Form:	Dd2.43
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, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Bothriochloa species, Dichanthium species Mid Strata - , , . *Species includes - None recorded

Eucalyptus Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus platyphylla, Eucalyptus polycarpa, papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.06 m	Dark grey (10YR4/1-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Abrupt change to -
A2e	0.06 - 0.15 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.35 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
B22	0.35 - 1.1 m	Dark greyish brown (2.5Y4/2-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , , Field pH 8.5 (Raupach, 0.7); Gradual change to -
B23	1.1 - 1.8 m	Dark grey (10YR4/1-Moist); Mottles, 10YR46, 2-10% , Prominent; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Few cutans, <10% of ped faces or walls coated; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 1.5); Gradual change to -
B24	1.8 - 2.1 m	Dark grey (10YR4/1-Moist); Mottles, 10YR46, 10-20% , Distinct; Mottles, 10-20% ; Light medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 2);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol	(+)/kg			%
0.06 - 0.15	6.8A		8.1B	2.7	0.55	1.6				
0.15 - 0.35	6.7A									
0.35 - 1.1	8A		17B	6.3	0.5	9.3				

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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