

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1298 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	23/07/92	Elevation:	380 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7883562 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	351506 Datum: AGD66	Drainage:	Poorly 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:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Self-Mulching Black Vertosol Non-gravelly Medium fine Medium fine Very deep	Principal Profile Form:	Ug5.15
ASC Confidence:	Great Soil Group:	Black earth

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Cynodon dactylon, Cyperus species, Echinochloa species
Mid Strata - , , . *Species includes - None recorded

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.09 m	Dark grey (10YR4/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.04); Abrupt change to -
B21	0.09 - 0.3 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
B22	0.3 - 0.7 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Common cutans, 10-50% of ped faces or walls coated; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.5); Gradual change to -
B23	0.7 - 1.35 m	Dark greyish brown (2.5Y4/2-Moist); ; Light medium clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 1); Gradual change to -
B24	1.35 - 1.6 m	Brown (10YR4/3-Moist); ; Light medium clay; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 1.5); Clear change to -
B25	1.6 - 2 m	Dark yellowish brown (10YR4/6-Moist); Mottles, 7.5YR5/6, 2-10% , Prominent; Mottles, 2-10% ; Clay loam, sandy; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 2);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1298 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.09	5.8A								
0.09 - 0.3	6.3A								
0.3 - 0.7	7.3A								
0.7 - 1.35	7.8A								
1.35 - 1.6	8.3A								
1.6 - 2	8.4A								

[illegible][illegible]

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 1298 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension