

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1338 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	07/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7887886 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	374998 Datum: AGD66	Drainage:	Moderately 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-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
Eutrophic Mottled-Subnatric Brown Sodosol Medium Very gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Db2.33
ASC Confidence:	Great Soil Group:	Solodic soil

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, 0.51-1m, Sparse. *Species includes - Bothriochloa decipiens, Aristida species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia,

Eucalyptus

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, angular, Rhyolite

Profile Morphology

A1	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A2e	0.09 - 0.22 m	Brown (10YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; 10-20%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.2); Abrupt change to -
B21	0.22 - 0.4 m	Brown (10YR4/3-Moist); Mottles, 5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Medium clay; Strong grade of structure, 10-20 mm; Smooth-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.6 m	Strong brown (7.5YR4/6-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.5); Gradual change to -
B23	0.6 - 0.8 m	Brown (10YR5/3-Moist); Mottles, 5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Sandy light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.7); Clear change to -
C	0.8 - 1.15 m	Greyish brown (2.5Y5/2-Moist); Mottles, 5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Clay loam, sandy; Massive grade of structure, Subangular blocky; Sandy (grains prominent) fabric; 20-50%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 1.1);

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 - 0.09	6.2A								
0.22 - 0.4	7.5A								
0.4 - 0.6	8.8A								
0.6 - 0.8	9.4A								
0.8 - 1.15	9.7A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension