

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1135 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/05/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7835232 AMG zone: 55	Runnoff:	No Data
Easting/Lat.:	366495 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Calcic Mottled-Subnatric Grey Sodosol Thick Non-gravelly Clay-loamy Clayey Very deep	Principal Profile Form:	Dy3.43
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:

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Elytrophorus spicatus, Chloris species, Bothriochloa

decipiens Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii, Acacia salicina, Eucalyptus

papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03);
A12	0.03 - 0.25 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2);
A2e	0.25 - 0.4 m	Greyish brown (10YR5/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4);
B21	0.4 - 1.7 m	Dark greyish brown (2.5Y4/2-Moist); , 7.5YR56, 2-10% , Prominent; , 2-10% ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 0.7);
B22k	1.7 - 2 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR41, 10-20% , Prominent; , 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , , Field pH 9.9 (Raupach, 1.8);

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 - 0.03	6.8A								
0.03 - 0.25	6.7A								
0.25 - 0.4	6.8A								
0.4 - 1.7	7.9A								
1.7 - 2	8.6A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension