

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 975 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	04/09/92	Elevation:	300 metres
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7745734 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	385502 Datum: AGD66	Drainage:	Poorly 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:	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, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Crusty Grey Vertosol Non-gravelly Medium fine Very fine Moderately deep	Principal Profile Form:	Ug5.05
ASC Confidence:	Great Soil Group:	Grey clay

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, <0.25m, Very sparse. *Species includes - Bothriochloa species, Heteropogon contortus,

Chrysopogon fallax Mid Strata - , , . *Species includes - None recorded

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

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A11	0 - 0.03 m	Dark grey (10YR4/1-Moist); ; Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 0.02); Clear change to -
B21	0.03 - 0.25 m	Grey (10YR5/1-Moist); ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9 (Raupach, 0.15); Clear change to -
B22	0.25 - 0.5 m	Grey (10YR5/1-Moist); ; Sandy medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.4);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC		Exchangeable Cations	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg K	Cmol (+)/kg				%
0 - 0.03	8.4A								
0.03 - 0.25	8.7A								
0.25 - 0.5	9.3A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension