

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 976 **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
Endoacidic Epipedal Grey Vertosol Non-gravelly Medium fine Very fine Very deep	Principal Profile Form:	Ug5.5
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 - Iseilema species, Cyperus species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Grey (10YR5/1-Moist); ; Light clay; Single grain grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, , ; , Gypseous, , ; Clear change to -
B21	0.03 - 0.3 m	Grey (10YR5/1-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Field pH 6 (Raupach, 0.2); Gradual change to -
B22	0.3 - 1.1 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; ; Calcareous, , ; , Gypseous, , ; Field pH 4.5 (Raupach, 0.8); Diffuse change to -
B23	1.1 - 2 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR51, 10-20% ; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; ; Calcareous, , ; , Gypseous, , ; Field pH 4 (Raupach, 2);

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	7.6A							
0.03 - 0.3	6.7A							
0.3 - 1.1	4.6A							
1.1 - 2	4.3A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension