

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1273 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/07/92	Elevation:	480 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7861689 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	352702 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:	No Data
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Level
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Subnatic Yellow Sodosol Thick Non-gravelly Clay-loamy Clayey Very deep	Principal Profile Form:	Dy3.22
ASC Confidence:	Great Soil Group:	Gleyed podzolic soil
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - , , . *Species includes - Heteropogon contortus, Eragrostis species, Chrysopogon fallax
Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Acacia species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus normantonensis

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A11	0 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Light); Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; ; Calcareous, , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A2	0.11 - 0.25 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey coarse sand; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; ; Calcareous, , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A3	0.25 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Clayey coarse sand; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; ; Calcareous, , ; Gypseous, , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.55 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR66, 10-20% , Faint; Mottles, 10-20% ; Sandy light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; ; Calcareous, , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.4 - 0.55	6.2A									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.4 - 0.55												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0.4 - 0.55					g/g - m3/m3					

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension