

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1580 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	30/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7780603 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	345674 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	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:	No Data
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Ferrosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Gn3.21

ASC Confidence:	Great Soil Group:	N/A
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - Themeda triandra, Bothriochloa species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus melanophloia, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/3-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Platy; Rough-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.02); Clear change to -
A3	0.05 - 0.22 m	Dark yellowish brown (10YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.1); Clear change to -
B21	0.22 - 0.5 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.35); Gradual change to -
B22	0.5 - 0.75 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Firm consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.7);

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

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Laboratory Analyses Completed for this profile