

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1942 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7758 GPS	Rainfall:	No Data
Northing/Long.:	7835401 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	216993 Datum: AGD66	Drainage:	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:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Grey Chromosol Thick Non-gravelly Loamy Clay-loamy Deep		Principal Profile Form:	Dy5.42
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable group

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Aristida species
Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Callitris species, Eucalyptus peltata, Xanthorrhoea species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Callitris species, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 5 (Raupach, 0.05); Clear change to -
A12	0.12 - 0.55 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.3); Clear change to -
B2e	0.55 - 0.65 m	Brown (7.5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6); Abrupt change to -
B21	0.65 - 1 m	Pinkish grey (7.5YR6/2-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Sandy clay loam (Light); Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 1);

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	Size CS	Analysis FS	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