

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2411 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	10/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7916740 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	359671 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-32%	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	12 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Mesotrophic Brown Chromosol Medium Slightly gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Db2.12
ASC Confidence:	Great Soil Group:	Brown podzolic soil
No analytical data are available but confidence is fair.		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Bothriochloa decipiens, Heteropogon
contortus,
papuana
Aristida species Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus
papuana

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus
papuana

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Igneous rock (unidentified)

Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 0-2%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A12	0.1 - 0.2 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 10-20%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.3 m	Dark greyish brown (2.5Y4/3-Moist); Mottles, 2.5Y46, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.25); Clear change to -
B22	0.3 - 0.55 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular tabular, Metamorphic rock (unidentified), coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.5); Gradual change to -
BC	0.55 - 1.3 m	Dark yellowish brown (10YR4/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; 50-90%, medium gravelly, 6-20mm, angular tabular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 1.2);

Morphological Notes

Observation 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	Acidity					%
						Cmol (+)/kg						

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

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

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Laboratory Analyses Completed for this profile