

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2416 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	11/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7926818 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	350485 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Sodic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Mapping Unit:	N/A
		Principal Profile Form:	Dy3.13
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Unknown species, Bothriochloa decipiens, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear
A12	0.05 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.35 m	Brown (7.5YR5/4-Moist); Mottles, 5YR44, 10-20% , 15-30mm, Prominent; Mottles, 10-20% ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.35 - 0.6 m	Dark yellowish brown (10YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.5); Gradual change to -
B23	0.6 - 0.85 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Common cutans, 10-50% of ped faces or walls coated, faint; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.75); Diffuse change to -
BC	0.85 - 1.3 m	Olive brown (2.5Y4/4-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Earthy fabric; 50-90%, fine gravelly, 2-6mm, angular, Granodiorite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 1.2);

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	Acidity					%
						Cmol (+)/kg						
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	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