

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2425 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	13/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7946828 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	346126 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Reticulate Mesotrophic Brown Kandosol Thick Non-gravelly Loamy Clay-loamy Deep	Principal Profile Form:	Dy3.81

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:

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - *Bothriochloa decipiens*, *Aristida* species, *Chrysopogon*

fallaxMid Strata - Tree, 6.01-12m, Sparse. *Species includes - *Lophostemon suaveolens*

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

Eucalyptus

melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (2.5Y4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A2e	0.1 - 0.3 m	Greyish brown (2.5Y5/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Sharp change to -
B21	0.3 - 0.5 m	Light olive brown (2.5Y5/6-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Gradual change to -
B22	0.5 - 1.3 m	Light olive brown (2.5Y5/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			
						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