

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 708 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	12/08/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7818990 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	423912 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Granite

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Db1.12
ASC Confidence:	Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Heteropogon contortus, Bothriochloa
ewartiana

Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana

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

Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Very dark grey (10YR3/1-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A3	0.08 - 0.16 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Gradual change to -
B1	0.16 - 0.4 m	Brown (7.5YR4/4-Moist); ; Coarse sandy light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Gradual change to -
B21	0.4 - 0.7 m	Strong brown (7.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Common (10 - 20 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6); Gradual change to -
B22	0.7 - 0.9 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Common (10 - 20 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.9);

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			

0 - 0.08	6.7A
0.7 - 0.9	7.3A

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

0 - 0.08
0.7 - 0.9

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 - m ³ /m ³				mm/h	mm/h

0 - 0.08
0.7 - 0.9

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension