

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1550 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	28/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 GPS	Rainfall:	No Data
Northing/Long.:	7716102 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	331141 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:	Rolling low hills 30-90m 10-	Pattern Type:	Hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Chromosol Thick Non-gravelly Loamy Clay-loamy Moderately deep	Principal Profile Form:	Dy2.61
ASC Confidence:	Great Soil Group:	Lateritic podzolic soil
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?, Chrysopogon fallax,

Heteropogon contortus Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus similis, Eucalyptus shirleyi, Eucalyptus

crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.04); Clear change to -
A12	0.08 - 0.3 m	Dark yellowish brown (10YR3/4-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B21	0.3 - 0.55 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.4); Clear change to -
B22	0.55 - 0.8 m	Yellowish brown (10YR5/8-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.7);

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