

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2194 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	25/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7895816 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	264247 Datum: AGD66	Drainage:	Rapidly 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Lithocalcic Red Chromosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dr3.13
ASC Confidence:	Great Soil Group:	Red 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 - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Bothriochloa species, Enteropogon species

Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus persistens

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus persistens, Eucalyptus drepanophylla

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, subangular, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A	0.1 - 0.27 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam, sandy; Single grain grade of structure; Dry; Very firm consistence; 50-90%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Abrupt change to -
B21	0.27 - 0.43 m	Yellowish red (5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4); Clear change to -
B22	0.43 - 0.65 m	Yellowish red (5YR5/6-Moist); Mottles, 5YR8.3, 20-50% , 30-mm, Prominent; Mottles, 20-50% ; Medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very strong consistence; Very many (50 - 100 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9 (Raupach, 0.6); Clear change to -
BC1	0.65 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very strong consistence; , Calcareous, , , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.7); Gradual change to -
BC2	0.8 - 1 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 1);

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 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