

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1889 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	10/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7873769 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	269526 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Conglomerate

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	18 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Medium Very gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.13

ASC Confidence:	Great Soil Group:	N/A
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, Sparse. *Species includes - Heteropogon contortus
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Albizia basaltica
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 20-50%, cobbly, 60-200mm, subrounded, Gneiss

Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 50-90%, cobbly, 60-200mm, rounded, Conglomerate, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.21 m	Dark brown (7.5YR3/4-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; 50-90%, coarse gravelly, 20-60mm, rounded, Conglomerate, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.15); Clear change to -
B21	0.21 - 0.45 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; 2-10%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -
BC	0.45 - 0.8 m	Red (2.5YR4/6-Moist); Substrate influence, 5Y53, 10-20% , 15-30mm, Prominent; Substrate influence, 10-20% ; Sandy light clay; 20-50 mm, Subangular blocky; Rough-ped fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.7);
C	0.8 - 0.9 m	; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable 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