

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 271 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	20/06/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7758696 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	434294 Datum: AGD66	Drainage:	Imperfectly 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	240 degrees

Surface Soil Condition (dry): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Subnatric Yellow Sodosol Medium Non-gravelly	Principal Profile Form:	Dy3.33
Sandy Clayey Moderately deep		
ASC Confidence:	Great Soil Group:	Solodized solonetz
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 - Chrysopogon fallax, Heteropogon contortus, Aristida
species Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark yellowish brown (10YR3/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 4.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
A2j	0.1 - 0.22 m	Strong brown (7.5YR5/8-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B21	0.22 - 0.9 m	Brownish yellow (10YR6/8-Moist); Mottles, 7.5YR58, 20-50% , 0-5mm, Faint; Mottles, 5YR58, 20-50% ; Coarse sandy medium clay; Strong grade of structure; Smooth-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6);

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 - 0.1	5.8A
0.22 - 0.9	7A

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 - 0.1
0.22 - 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 - 0.1
0.22 - 0.9

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension