

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 948 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	01/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7770930 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	357635 Datum: AGD66	Drainage:	Moderately 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Cryptogam surface, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Lithic Bleached-Orthic Tenosol Thick Slightly gravelly Sandy Sandy Moderately deep	Principal Profile Form:	Uc2.21
ASC Confidence:	Great Soil Group:	Siliceous sand

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eriachne species, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus peltata, Melaleuca

nervosa

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

polycarpa

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A2e	0.1 - 0.47 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Gradual change to -
B2	0.47 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach,

Morphological Notes

Observation 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	5.7A
0.47 - 0.7	5.6A

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
0.47 - 0.7

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

0 - 0.1
0.47 - 0.7

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension