

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1981 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	07/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7819564 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	231554 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:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Hypercalcic Brown Chromosol Thick Slightly gravelly Loamy Clayey Deep	Principal Profile Form:	Dy3.13
ASC Confidence:	Great Soil Group:	No suitable group

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 - Themeda triandra, Aristida species, Phynchelytrum repens Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus

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

Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.3 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
A13	0.3 - 0.5 m	Brown (10YR5/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4); Clear change to -
B21	0.5 - 0.9 m	Reddish brown (2.5YR5/3-Moist); Mottles, 10YR46, 20-50% , 5-15mm, Distinct; Mottles, 5YR46, 20-50% ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.8);
B22	0.9 - 1.4 m	Weak red (2.5YR5/2-Moist); ; Sandy medium clay; Strong grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Nodules; , Gypseous, , , Field pH 8.5 (Raupach, 1.2);

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	CS	Size FS	Analysis 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