

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1265 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	20/07/92	Elevation:	320 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7856408 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	379435 Datum: AGD66	Drainage:	Imperfectly 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Mottled Eutrophic Yellow Chromosol Thick Gravelly Sandy Clayey Deep	Principal Profile Form:	Dy5.43
ASC Confidence:	Great Soil Group:	Solodic 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, Sparse. *Species includes - Aristida species, Chrysopogon fallax, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Atalaya hemiglaucula, Grevillea species

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

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.14 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A2e	0.14 - 0.3 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.2); Abrupt change to -
B21	0.3 - 0.55 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR42, 20-50% , Prominent; Mottles, 20-50% ; Coarse sandy light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.4); Clear change to -
B22	0.55 - 1 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR42, 2-10% , Prominent; Mottles, 2-10% ; Coarse sandy light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.8);
B23	1 - 1.15 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 7.5YR42, 10-20% , Prominent; Mottles, 10-20% ; Light clay; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; ; Gypseous, ; ; Field pH 9 (Raupach, 1.15);

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	Size CS	Analysis FS	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