

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1261 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	29/06/92	Elevation:	340 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7859169 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	392756 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Gully	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 Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dr3.12
ASC Confidence:	Great Soil Group:	Red podzolic 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 - Heteropogon contortus, Chloris species, Cyperus species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii

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

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, rounded, Quartz

Profile Morphology

A1	0 - 0.18 m	Dark brown (7.5YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.18 - 0.4 m	Reddish brown (5YR4/4-Moist); , 7.5YR33, 20-50% , Prominent; , 20-50% ; Sandy light clay (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Platy; Smooth-ped fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.75 m	Yellowish red (5YR4/6-Moist); , 7.5YR45, 20-50% , Prominent; , 20-50% ; Sandy light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; , 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 - 0.18	6.2A
0.17 - 0.4	6.8A
0.4 - 0.75	7.1A

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 - 0.18
0.17 - 0.4
0.4 - 0.75

[illegible]

0 - 0.18
0.17 - 0.4
0.4 - 0.75

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension