

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 926 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	24/04/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7711751 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	435057 Datum: AGD66	Drainage:	No Data

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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Surface crust

Erosion: Present (tunnel)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Crusty Brown Vertosol Non-gravelly Medium fine Very fine Very deep	Principal Profile Form:	Ug5.34
ASC Confidence:	Great Soil Group:	Brown clay
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - , , . *Species includes - Lysiphillum carronii, Terminalia oblongata, Acacia salicina
Tall Strata - Tree, , . *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Dark yellowish brown (10YR3/4-Moist); ; Light clay; Weak grade of structure, <2 mm, Platy; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.03);
A12	0.03 - 0.15 m	Dark yellowish brown (10YR3/4-Moist); ; Light medium clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.1);
B2k	0.15 - 1.6 m	Brown (7.5YR4/4-Moist); Mottles, 10YR33, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Medium clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1);
B/C	1.6 - 1.9 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 5YR44, 20-50% , 15-30mm, Prominent; Mottles, 20-50% ; Medium clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.8);

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		%
0 - 0.03	7.9A								
0.03 - 0.15	8.2A								
0.15 - 1.9	8.5A								
1.6 - 1.9	8.7A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension