

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2063 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Rogers, Gary	<b>Locality:</b>
<b>Date Desc.:</b> 10/06/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8255 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7639946 AMG zone: 55	<b>Runoff:</b> Moderately rapid
<b>Easting/Lat.:</b> 471372 Datum: AGD66	<b>Drainage:</b> Moderately well drained

#### Geology

<b>ExposureType:</b> No Data	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b> Low hills
<b>Morph. Type:</b> Simple-slope	<b>Relief:</b> No Data
<b>Elem. Type:</b> Pediment	<b>Slope Category:</b> Gently inclined
<b>Slope:</b> 3 %	<b>Aspect:</b> No Data

**Surface Soil Condition (dry):** Firm, Cryptogam surface

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Sodic Eutrophic Brown Chromosol Thick Non-gravelly Loamy Clayey Deep	<b>Principal Profile Form:</b> Dy4.13
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> 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 - Hummock grass, 0.51-1m, Very sparse. \*Species includes - TRIODIA SPECIES ?  
 Mid Strata - Tree mallee, 3.01-6m, Mid-dense. \*Species includes - Eucalyptus normantonensis, Erythroxylon  
 australe,  
 Eremophila mitchellii  
 Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus normantonensis, Acacia argyrodendron

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.09 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.04); Clear change to -
A12	0.09 - 0.3 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A13	0.3 - 0.5 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Abrupt change to -
B21	0.5 - 0.65 m	Yellowish brown (10YR5/6-Moist); ; Sandy light medium clay (Heavy); Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.6);
B22	0.65 - 1.4 m	Yellowish brown (10YR5/8-Moist); ; Light clay (Heavy); , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 1.4);

#### 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