

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2033 **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>	22/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7647508 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	457550 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### Geology

<b>Exposure Type:</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>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Pediment	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached-Mottled Eutrophic Brown Kandosol Medium Gravelly Clay-loamy Clay-loamy Deep	<b>Principal Profile Form:</b>	Gn2.55
<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, 0.26-0.5m, Very sparse. \*Species includes - Triodia pungens  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Melaleuca tamariscina  
Tall Strata - Tree mallee, 6.01-12m, Very sparse. \*Species includes - Eucalyptus normantonensis, Eucalyptus

similis

**Surface Coarse Fragments:** 10-20%, medium gravelly, 6-20mm, subrounded, Sandstone

#### Profile Morphology

A1	0 - 0.07 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear change to -
A12	0.07 - 0.24 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Clear change to -
A2e	0.24 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Clear change to -
B2	0.4 - 1.5 m	Strong brown (7.5YR4/6-Moist); ; Clay loam, sandy; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 8 (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