

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1647 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Bright, J (Mitch)	<b>Locality:</b>	
<b>Date Desc.:</b>	20/07/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7632998 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	401386 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 plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Kandosol Thin Non-gravelly Clay-loamy Clay-loamy Moderately deep		<b>Principal Profile Form:</b>	Gn2.25

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**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, Triodia mitchellii, Cymbopogon bombycinus Mid Strata - Shrub, 1.01-3m, Sparse. \*Species includes - Petalostigma pubescens

Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus peltata, Melaleuca nervosa

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

#### Profile Morphology

A11	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual change to -
A2	0.07 - 0.32 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
B21	0.32 - 0.55 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Clear change to -
B22	0.55 - 0.8 m	Brown (7.5YR5/4-Moist); ; Clay loam, sandy; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.7);
B23	0.8 - 0.9 m	Yellowish red (5YR4/8-Moist); ; Clay loam; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.9);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile