

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 967 **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>	03/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7782470 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	347833 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, Basalt

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Manganic Eutrophic Brown Kandosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn2.41
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow earth

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, 0.51-1m, Sparse. \*Species includes - Themeda triandra, Eulalia aurea, Aristida species

Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus melanophloia, Eucalyptus papuana

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

#### Profile Morphology

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.1); Clear change to -
B1	0.12 - 0.25 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.2); Gradual change to -
B22	0.25 - 0.4 m	Light olive brown (2.5Y5/5-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Clear change to -
B23c	0.4 - 0.5 m	Light olive brown (2.5Y5/5-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.5);

#### 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 - 0.12	5.6A
0.25 - 0.4	5.9A

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 - 0.12  
0.25 - 0.4

[illegible]

0 - 0.12  
0.25 - 0.4

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension