

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2008 **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>	08/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8254 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7615958 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	469652 Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial 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
Bleached-Sodic Eutrophic Brown Dermosol Thin Non-gravelly Silty Clayey Deep		<b>Principal Profile Form:</b>	Gn4.35
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Brown 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, 0.26-0.5m, Very sparse. \*Species includes - Aristida species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Acacia spectabilis, Eremophila mitchellii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Acacia argyrodendron, Eucalyptus brownii

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

#### Profile Morphology

A1	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual change to -
A21	0.07 - 0.25 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam (Heavy); Moderate grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
A22	0.25 - 0.38 m	Greyish brown (10YR5/2-Moist); ; Silty clay loam (Light); Moderate grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
A3	0.38 - 0.55 m	Dark greyish brown (10YR4/2-Moist); ; Silty clay loam; Moderate grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Gradual change to -
B1	0.55 - 1 m	Brown (10YR4/3-Moist); ; Light clay; Massive grade of structure; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 1);

#### 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		Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	
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