

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1649 **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>	7632152 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	404191 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>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<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 Yellow Kandosol Medium Non-gravelly Loamy Clay-loamy Deep	<b>Principal Profile Form:</b>	Gn2.25
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow earth
Confidence level not specified		

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - Triodia mitchellii, Aristida species, Panicum  
Mid Strata - Shrub, 0.26-0.5m, Sparse. \*Species includes - Melaleuca species  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus peltata, Melaleuca nervosa, Eucalyptus crebra

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

#### Profile Morphology

A11	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 0.1); Gradual change to -
A2	0.2 - 0.5 m	Yellowish brown (10YR5/8-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B21	0.5 - 1.4 m	Reddish yellow (7.5YR6/8-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 1); Field pH 7 (Raupach, 1.4); Gradual change to -
B22	1.4 - 1.5 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ;

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

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 - m <sup>3</sup> /m <sup>3</sup>				mm/h	mm/h

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Laboratory Analyses Completed for this profile