

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1646 **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>	7631454 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	400359 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	Soil pit, Sandstone

#### Land Form

<b>Rel/Slope Class:</b>	Undulating hills 90-300m 3-	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Hillock	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
No Available Class Eutrophic Leptic Rudosol Thin Gravelly Sandy		<b>Principal Profile Form:</b>	Uc5.21
<b>ASC Confidence:</b>	Confidence level not specified	<b>Great Soil Group:</b>	Earthy sand

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - Triodia mitchellii, Eriachne species, Cymbopogon bombycinus Mid Strata - Shrub, 1.01-3m, Sparse. \*Species includes - Petalostigma pubescens

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus similis, Acacia shirleyi, Eucalyptus crebra

**Surface Coarse Fragments:** 90-100%, coarse gravelly, 20-60mm, subrounded tabular, Sandstone

#### Profile Morphology

A1	0 - 0.03 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.02); Clear change to -
A3	0.03 - 0.25 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

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

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			%		

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Laboratory Analyses Completed for this profile