

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 490 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	19/11/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8256 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7701038 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	460337 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>	Gently undulating plains <9m 1-3%	<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>	Very gently sloped
<b>Slope:</b>	1.5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Eutrophic Snuffy Brown Sodosol Thick Non-gravelly Sandy Clayey Moderately deep	<b>Mapping Unit:</b>	N/A
		<b>Principal Profile Form:</b>	Dy2.23
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Solodic soil

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eremophila mitchellii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.08 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Moist; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
A3	0.08 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; Massive grade of structure; Moist; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.3);
B2	0.4 - 0.65 m	Yellowish brown (10YR5/4-Moist); ; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.6);

#### 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 - m3/m3							mm/h	mm/h
0.00	0.00	100	100	100	100	100	100	100	0.00	0.00
0.05	0.00	100	100	100	100	100	100	100	0.00	0.00
0.10	0.00	100	100	100	100	100	100	100	0.00	0.00
0.15	0.00	100	100	100	100	100	100	100	0.00	0.00
0.20	0.00	100	100	100	100	100	100	100	0.00	0.00
0.25	0.00	100	100	100	100	100	100	100	0.00	0.00
0.30	0.00	100	100	100	100	100	100	100	0.00	0.00
0.35	0.00	100	100	100	100	100	100	100	0.00	0.00
0.40	0.00	100	100	100	100	100	100	100	0.00	0.00
0.45	0.00	100	100	100	100	100	100	100	0.00	0.00
0.50	0.00	100	100	100	100	100	100	100	0.00	0.00
0.55	0.00	100	100	100	100	100	100	100	0.00	0.00
0.60	0.00	100	100	100	100	100	100	100	0.00	0.00
0.65	0.00	100	100	100	100	100	100	100	0.00	0.00
0.70	0.00	100	100	100	100	100	100	100	0.00	0.00
0.75	0.00	100	100	100	100	100	100	100	0.00	0.00
0.80	0.00	100	100	100	100	100	100	100	0.00	0.00
0.85	0.00	100	100	100	100	100	100	100	0.00	0.00
0.90	0.00	100	100	100	100	100	100	100	0.00	0.00
0.95	0.00	100	100	100	100	100	100	100	0.00	0.00
1.00	0.00	100	100	100	100	100	100	100	0.00	0.00
1.05	0.00	100	100	100	100	100	100	100	0.00	0.00
1.10	0.00	100	100	100	100	100	100	100	0.00	0.00
1.15	0.00	100	100	100	100	100	100	100	0.00	0.00
1.20	0.00	100	100	100	100	100	100	100	0.00	0.00
1.25	0.00	100	100	100	100	100	100	100	0.00	0.00
1.30	0.00	100	100	100	100	100	100	100	0.00	0.00
1.35	0.00	100	100	100	100	100	100	100	0.00	0.00
1.40	0.00	100	100	100	100	100	100	100	0.00	0.00
1.45	0.00	100	100	100	100	100	100	100	0.00	0.00
1.50	0.00	100	100	100	100	100	100	100	0.00	0.00
1.55	0.00	100	100	100	100	100	100	100	0.00	0.00
1.60	0.00	100	100	100	100	100	100	100	0.00	0.00
1.65	0.00	100	100	100	100	100	100	100	0.00	0.00
1.70	0.00	100	100	100	100	100	100	100	0.00	0.00
1.75	0.00	100	100							

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Laboratory Analyses Completed for this profile