

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2157 **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>	03/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8254 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7618583 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	448398 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<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 Eutrophic Black Chromosol		<b>Principal Profile Form:</b>	Dd1.43
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodic soil

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, <0.25m, Very sparse. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus thozetiana  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus thozetiana, Acacia harpophylla

**Surface Coarse Fragments:** 0-2%, cobbly, 60-200mm, subangular, Sandstone

#### Profile Morphology

A11	0 - 0.04 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.02); Clear change to -
A2e	0.04 - 0.1 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.08); Abrupt change to -
B21	0.1 - 0.43 m	Dark brown (7.5YR3/2-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.3); Clear change to -
B22	0.43 - 0.8 m	Dark brown (10YR3/3-Moist); ; Sandy light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Sandstone, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 9 (Raupach, 0.5); Field pH 6.5 (Raupach, 0.8);
BC	0.8 - 0.9 m	Brown (7.5YR4/4-Moist); ; Sandy light medium clay; Dry; 20-50%, coarse gravelly, 20-60mm, subangular, Sandstone, coarse fragments; ; Calcareous, ; ; Gypseous, ; ;

#### 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			%		

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
0.00	0.00	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.05	0.05	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.10	0.10	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.15	0.15	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.20	0.20	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.25	0.25	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.30	0.30	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.35	0.35	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.40	0.40	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.45	0.45	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.50	0.50	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.55	0.55	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.60	0.60	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.65	0.65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.70	0.70	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.75	0.75	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.80	0.80	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.85	0.85	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.90	0.90	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.95	0.95	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.00	1.00	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.05	1.05	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.10	1.10	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.15	1.15	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.20	1.20	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.25	1.25	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.30	1.30	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.35	1.35	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.40	1.40	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.45	1.45	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.50	1.50	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.55	1.55	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.60	1.60	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.65	1.65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.70	1.70	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.75	1.75	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.80	1.80	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.85	1									

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Laboratory Analyses Completed for this profile