

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2222 **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>	22/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7893686 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	337909 Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

#### Geology

<b>ExposureType:</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>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	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>	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-Mottled Eutrophic Brown Dermosol Medium Non-gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3.85
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow podzolic 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, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa insculpta, Chrysopogon fallax  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra

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

#### Profile Morphology

A1	0 - 0.11 m	Dark brown (10YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change
A2e	0.11 - 0.28 m	Dark greyish brown (10YR4/2-Moist); ; Light clay; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear
B21	0.28 - 0.55 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B22	0.55 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6);

#### 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		
m		g/g - m3/m3						mm/h	mm/h
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.85	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.65	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.80	1.80	0.00	0.00						

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Laboratory Analyses Completed for this profile