

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1386                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	21/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7779485 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	304795    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>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Manganic Eutrophic Brown Ferrosol Medium Slightly gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3.21
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Euchrozem

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 - Heteropogon contortus, Dichanthium species

Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus platyphylla

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, subrounded,

#### Profile Morphology

A11	0 - 0.02 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Massive grade of structure; Weak grade of structure, 2-5 mm, Granular; Earthy fabric; Dry; Weak consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.02); Abrupt change to -
A12	0.02 - 0.18 m	Dark greyish brown (2.5Y4/2-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Clear change to -
B21	0.18 - 0.4 m	Olive brown (2.5Y4/4-Moist); Mottles, 7.5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Light clay; Weak grade of structure, <2 mm, Polyhedral; Smooth-ped fabric; Dry; Very weak consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.35); Gradual change to -
B22	0.4 - 0.65 m	Olive brown (2.5Y4/4-Moist); Mottles, 7.5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Light clay (Light); Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very weak consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (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
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile