

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2018 **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>	10/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7639555 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	476007 Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Sodic Eutrophic Brown Chromosol Thick Moderately gravelly Loamy Clayey Deep	<b>Principal Profile Form:</b>	Db1.53
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable group

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Very sparse. \*Species includes - Aristida species  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eremophila mitchellii, Lysiphillum carronii  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus normantonensis

**Surface Coarse Fragments:** 20-50%, coarse gravelly, 20-60mm, subrounded, Quartz

#### Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR4/3-Moist); ; Sandy loam; Single grain grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Abrupt change to -
A3	0.1 - 0.3 m	Brown (7.5YR4/4-Moist); ; Coarse sandy loam (Heavy); Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.25);
B21	0.3 - 0.5 m	Brown (7.5YR4/4-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4);
B22	0.5 - 1.2 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 1);

#### 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	CS	Size FS	Analysis 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