

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2050                      **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>	08/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7612410 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	479120    Datum: AGD66	<b>Drainage:</b>	Moderately well 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 rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Chromosol Thick Non-gravelly Loamy Clayey Deep		<b>Principal Profile Form:</b>	Dy2.13
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodic soil

No analytical data are available but confidence is fair.

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - None recorded  
Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - Eucalyptus brownii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii

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

#### Profile Morphology

A11	0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.04); Clear change to -
A12	0.08 - 0.35 m	Brown (10YR4/3-Moist); ; Sandy loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
B21	0.35 - 0.45 m	Brown (10YR5/3-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4);
B22	0.45 - 1.2 m	Yellowish brown (10YR5/4-Moist); ; Sandy medium clay; , Calcareous, , , , Gypseous, , , Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 1.2);

#### 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