

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 664 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	01/06/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8159-1 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7877945 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	436985 Datum: AGD66	<b>Drainage:</b>	No Data

**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>	Existing vertical exposure, Granite

**Land Form**

<b>Rel/Slope Class:</b>	Steep hills 90-300m 32-56%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Steep
<b>Slope:</b>	45 %	<b>Aspect:</b>	210 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached Eutrophic Grey Kurosol Thick Non-gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dy4.41
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Gleyed podzolic soil

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

**Vegetation:** Low Strata - , , . \*Species includes - None recorded  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Reddish grey (5YR5/2-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Gradual change to -
A2e	0.1 - 0.3 m	Light reddish brown (5YR6/3-Moist); Substrate influence, 10YR58, 2-10% , 0-5mm, Distinct; Substrate influence, 2-10% ; Clay loam (Light); Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.15); Clear change to -
B2	0.3 - 0.6 m	Pink (5YR7/3-Moist); Substrate influence, 5YR76, 2-10% , 0-5mm, Faint; Substrate influence, 2-10% ; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.6); Gradual change to -
C	0.6 - 0.9 m	; Sandy (grains prominent) fabric; , Calcareous, , , , Gypseous, , , ;

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC		Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.1	4.2A								
0.1 - 0.3	4.4A								
0.3 - 0.6	4.6A								
0.6 - 0.9	4.4A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension