

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1219                      **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>	19/06/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8058    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7838474 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	387340    Datum: AGD66	<b>Drainage:</b>	Well 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, Schist

**Land Form**

<b>Rel/Slope Class:</b>	Rolling low hills 30-90m 10-	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	15 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Lithosolic Clastic Rudosol Thick Very gravelly Loamy Loamy Moderately deep		<b>Principal Profile Form:</b>	Uc1.43

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Lithosol
All necessary analytical data are available.			

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

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Eriachne species, Aristida species, Phynchelytrum repens                      Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 50-90%, coarse gravelly, 20-60mm, angular, Quartz

**Profile Morphology**

A11	0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, cobbly, 60-200mm, angular, Schist, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.12 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, cobbly, 60-200mm, angular, Schist, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A13	0.3 - 0.55 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, cobbly, 60-200mm, angular, Schist, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4);
R	0.55 - 0.56 m	Rock

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.12	6.7A		1.1B	0.98	0.45	0.06				
0.12 - 0.3	6.3A									
0.3 - 0.55	6.8A		0.47B	3.2	0.27	0.17				

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**Laboratory Analyses Completed for this profile**

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension