

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1939 **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>	23/09/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7858 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7813496 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	257043 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, 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>	8 %	<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 Red Chromosol Thin Gravelly Sandy Clay-loamy Moderately deep		<b>Principal Profile Form:</b>	Uc1.43

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Lithosol
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, Very sparse. \*Species includes - Themeda triandra, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus crebra

Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus crebra, Eucalyptus brownii

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, angular, Quartz

#### Profile Morphology

A1	0 - 0.06 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey coarse sand; Weak grade of structure, 5-10 mm, Platy; Rough-ped fabric; Dry; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Clear change to -
B21	0.06 - 0.3 m	Strong brown (7.5YR4/6-Moist); ; Clayey coarse sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 50-90%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
C1	0.3 - 0.5 m	; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 90-100%, fine gravelly, 2-6mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4);
C2	0.5 - 1 m	; Clay loam, sandy; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 1);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 1939 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

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	

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1939                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

Laboratory Analyses Completed for this profile