

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1866                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	08/07/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7628130 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	429218    Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached-Mottled Hypercalic Brown Chromosol		<b>Principal Profile Form:</b>	Db1.23
<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 - Hummock grass, 0.26-0.5m, Very sparse. \*Species includes - Triodia mitchellii, Sporobolus caroli  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eremophila mitchellii, Lysiphillum carronii

**Surface Coarse Fragments:** 2-10%, bouldery, 600mm-2m, angular, Sandstone

#### Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Field pH 6 (Raupach, 0.1); Clear change to -
A2	0.1 - 0.12 m	Brown (7.5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Abrupt change to -
B21	0.12 - 0.4 m	Dark brown (7.5YR3/3-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3);
B22	0.4 - 0.5 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy medium clay; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.45);
B23k	0.5 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; Sandy medium clay; Smooth-ped fabric; Dry; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.7);

#### 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: 1866 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: 1866 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile