

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1692 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Bright, J (Mitch)	<b>Locality:</b>	
<b>Date Desc.:</b>	20/07/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7638808 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	412726 Datum: AGD66	<b>Drainage:</b>	Poorly 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial 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, Surface flake

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached Eutrophic Brown Kandosol Thick Non-gravelly Clayey Clayey Moderately deep		<b>Principal Profile Form:</b>	Uf2
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	No suitable group

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Spartothamnella species, Cyperus species,  
Aristida species Mid Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Eremophila mitchellii, Atalaya hemiglaucula, Planchonia careya

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii, Lysiphillum carronii

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

#### Profile Morphology

A11	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Lenticular; Rough-ped fabric; Dry; Weak consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to -
A12	0.07 - 0.22 m	Dark brown (10YR3/3-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
A13	0.22 - 0.35 m	Dark yellowish brown (10YR3/4-Moist); ; Light clay (Heavy); Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.25); Gradual change to -
A2e	0.35 - 0.4 m	Brown (10YR4/3-Moist); ; Light clay (Heavy); Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Firm consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.37); Gradual change to -
B2	0.4 - 0.7 m	Dark brown (10YR3/3-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Firm consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.6);

#### 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: 1692 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: 1692 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile