

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1444                      **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>	01/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7699986 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	390379    Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	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):** Cracking, Self-mulching

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Self-Mulching Grey Vertosol Thick Fine Very fine		<b>Principal Profile Form:</b>	Ug5.16
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

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, Sparse. \*Species includes - Eulalia aurea, Dichanthium species, Elytrophorus  
spicatus                      Mid Strata - , , . \*Species includes - None recorded

Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:** 2-10%, medium gravelly, 6-20mm, subrounded, Quartz

#### Profile Morphology

A1	0 - 0.05 m	Dark grey (10YR4/1-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
B21	0.05 - 0.28 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
B22	0.28 - 0.6 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (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: 1444 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	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents						K sat		K unsat		
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
m			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:** 1444                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

Laboratory Analyses Completed for this profile