

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1442                      **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>	30/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7697495 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	393716    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):** Hardsetting, Cracking

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Endocalcareous-Endohypersodic Massive Black Vertosol		<b>Principal Profile Form:</b>	Ug5.4
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Black earth

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Very sparse. \*Species includes - Cenchrus species  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Lysiphillum carronii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Acacia argyrodendron, Eucalyptus brownii

**Surface Coarse Fragments:** 0-2%, medium gravelly, 6-20mm, subrounded,

#### Profile Morphology

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; Massive grade of structure; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual change to -
B21	0.05 - 0.35 m	Very dark greyish brown (2.5Y3/2-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , ; ; Gypseous, , ; Field pH 7 (Raupach, 0.3); Gradual change to -
B22	0.35 - 0.7 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , ; ; Gypseous, , ; Field pH 8.5 (Raupach, 0.4); Gradual change to -
B23	0.7 - 0.9 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 8.5 (Raupach, 0.9);

#### 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:** 1442                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Laboratory Test Results:**

Depth	pH	1:5 EC		Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.05	6A		10B	5.4	0.44	0.61			
0.35 - 0.7	8.2A		12B	7.4	0.2	5.1			
0.7 - 0.9	8.6A								

[illegible][illegible]

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1442                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**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