

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 782 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	03/10/91	<b>Elevation:</b>	290 metres
<b>Map Ref.:</b>	Sheet No. : 8156 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7722740 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	424124 Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	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, Cracking

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epihypersodic Crusty Brown Vertosol Gravelly Medium fine Very fine Very deep		<b>Principal Profile Form:</b>	Ug5.25
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Brown clay

All necessary analytical data are available.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Bothriochloa decipiens  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - , , . \*Species includes - Acacia harpophylla, Lysiphillum carronii

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, rounded, Quartzite

#### Profile Morphology

A11	0 - 0.01 m	Brown (7.5YR5/3-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Clear change to -
A12	0.01 - 0.24 m	Brown (10YR5/3-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.05); Clear change to -
B21	0.24 - 0.5 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.3); Diffuse change to -
B22	0.5 - 1.9 m	Brown (7.5YR5/3-Moist); ; Medium heavy clay; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.8);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

[illegible][illegible][illegible]

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**Laboratory Analyses Completed for this profile**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension