

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2336                      **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>	25/10/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7960    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7934860 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	317243    Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	Undisturbed soil core, Basalt

#### Land Form

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<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 Black Vertosol Non-gravelly Medium fine Very fine Shallow	<b>Principal Profile Form:</b>	Ug5.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Prairie soil

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Ophiurus exaltatus, Dichanthium species

Mid Strata - Tree, 1.01-3m, Isolated clumps. \*Species includes - Eucalyptus species

Tall Strata - Tree, 12.01-20m, Isolated plants. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 0-2%, cobbly, 60-200mm, rounded, Basalt

#### Profile Morphology

A1	0 - 0.03 m	Black (10YR2/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Strong grade of structure, <2 mm, Granular; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.8 (Raupach, 0.02);
B21	0.03 - 0.35 m	Black (10YR2/1-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.25);
C	0.35 - 0.5 m	; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.5);

#### 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**

15A2_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 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
4A1	pH of 1:5 soil/water suspension