

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2335                      **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>	7929946 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	324262    Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**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 rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	6 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**    Soft

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Ferrosol Thin Non-gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Gn3.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Euchrozem
Confidence level not specified			

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

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Themeda triandra, Bothriochloa decipiens  
Mid Strata - Tree, 3.01-6m, Isolated clumps. \*Species includes - Eucalyptus erythrophloia  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus persiciens

**Surface Coarse Fragments:** 0-2%, stony, 200-600mm, subangular, Basalt

**Profile Morphology**

A1	0 - 0.06 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (pH meter, 0.05);
B21	0.06 - 0.6 m	Dark brown (7.5YR3/3-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Polyhedral; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (pH meter, 0.4);
C	0.6 - 0.9 m	Brown (7.5YR5/4-Moist); ; Sandy clay loam; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (pH meter, 0.9);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.06	6.5A		19B	11	1.1	0.14			

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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