

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2329                      **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>	24/10/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8060    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7923922 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	346671    Datum: AGD66	<b>Drainage:</b>	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>	Existing vertical exposure, Schist

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	180 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached Mesotrophic Brown Kurosol Medium Slightly gravelly Loamy Clayey Shallow	<b>Principal Profile Form:</b>	Db1.31
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red podzolic soil
Confidence level not specified		

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

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Aristida species, Eragrostis species,  
Themeda                      triandra                      Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Albizia basaltica

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

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

**Profile Morphology**

A1	0 - 0.03 m	; Fine sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.01); Clear change to -
A2j	0.03 - 0.12 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.1); Clear change to -
	0.12 - 0.48 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm; Strong grade of structure, 2-5 mm; Smooth-ped fabric; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 5.2 (Raupach, 0.4); Clear change to -
C	0.48 - 0.58 m	; Dry; , Calcareous, , , , Gypseous, , , Field pH 7 (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