

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2372                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	28/10/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7960    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7906739 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	319066    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>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Dermosol Thin Gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calcic brown soil
Confidence level not specified			

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

**Vegetation:**    Low Strata - Tussock grass, <0.25m, Isolated plants. \*Species includes - Themeda triandra, Unknown species  
Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - Eucalyptus crebra  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, angular, Jasper

**Profile Morphology**

A1	0 - 0.06 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear change to -
B2	0.06 - 0.3 m	Red (2.5YR4/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 50-90%, coarse gravelly, 20-60mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear change to -
BC	0.3 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 10-20%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ;

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**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 - 0.06	6A		14B	8.1	0.78	0.12			
0.06 - 0.3	6.2A								
0.3 - 0.6	6.6A								

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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