

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1324 **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> 05/08/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8059 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7886300 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 363635 Datum: AGD66	<b>Drainage:</b> Well drained

#### 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> Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating plains <9m 1-3%	<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> Very gently sloped
<b>Slope:</b> 2 %	<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 Brown Chromosol Thick Non-gravelly Loamy Clayey Deep	<b>Principal Profile Form:</b> Dr2.22
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Red podzolic soil

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Heteropogon contortus, Bothriochloa decipiens,

Chrysopogon fallax Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 20.01-35m, Very sparse. \*Species includes - Eucalyptus crebra

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.04 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
A2	0.04 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to
A3	0.15 - 0.4 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear change to -
B2	0.4 - 1.3 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach,

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg	Acidity		%
0 - 0.04	6.4A								
0.15 - 0.4	6.4A								
0.4 - 1.3	7A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension