

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 474                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	06/11/91	<b>Elevation:</b>	202 metres
<b>Map Ref.:</b>	Sheet No. : 8256    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7713380 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	466474    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<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>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Regolithic Orthic Tenosol Medium Non-gravelly Sandy Loamy Deep	<b>Principal Profile Form:</b>	Uc5.11
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Earthy sand

All necessary analytical data are available.

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

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Chrysopogon fallax, Aristida species  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eremophila mitchellii, Acacia species  
Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - Eucalyptus brownii, Grevillea parallela

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

**Profile Morphology**

A1	0 - 0.03 m	Brown (10YR4/3-Moist); ; Sandy loam; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ;
A3	0.03 - 0.3 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05);
B11	0.3 - 0.7 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam (Light); Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6);
B12	0.7 - 0.9 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam (Light); Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.9);
B2	0.9 - 1.2 m	Brown (7.5YR4/4-Moist); ; Loamy fine sand; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 1.2);

**Morphological Notes**

**Observation Notes**

**Site Notes**

**Laboratory Test Results:**

0.03 - 0.3  
0.9 - 1.2

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**Laboratory Analyses Completed for this profile**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension