

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 106 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M. DeCorte	<b>Locality:</b>	
<b>Date Desc.:</b>	20/08/90	<b>Elevation:</b>	380 metres
<b>Map Ref.:</b>	Sheet No. : 8159 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7846540 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	410728 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>	Undisturbed soil core, Sandstone

#### 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>	3 %	<b>Aspect:</b>	100 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Palic Paralithic Leptic Tenosol Medium Non-gravelly Sandy Sandy Shallow	<b>Principal Profile Form:</b>	Uc4.11
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Lithosol

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, Very sparse. \*Species includes - Eragrostis species, Chrysopogon fallax, Aristida species  
Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - Eucalyptus shirleyi

Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus shirleyi

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

#### Profile Morphology

A1	0 - 0.05 m	Brown (10YR4/3-Moist); ; Loamy coarse sand; Weak grade of structure, 2-5 mm, Platy; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.05 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Single grain grade of structure; Earthy fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.3); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
C	0.3 - 0.35 m	; , Calcareous, , ; , Gypseous, , ;

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 106                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**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 - 0.05	5.6A		0.84B	0.53	0.16	0.03		
0.05 - 0.3	6.1A							
0.3 -			1.1B	1.6	0.09	0.08		

[illegible][illegible]

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 106                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Laboratory Analyses Completed for this profile**

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 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
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension