

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 702 **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>	01/08/91	<b>Elevation:</b>	350 metres
<b>Map Ref.:</b>	Sheet No. : 8158 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7828339 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	448166 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>	Plain
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Levee	<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 Very deep	<b>Principal Profile Form:</b>	Uc5.21
<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, 0.51-1m, Mid-dense. \*Species includes - Heteropogon contortus, Chrysopogon fallax,  
Phynchelytrum repens Mid Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

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

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

**Profile Morphology**

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A3	0.05 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Coarse sandy loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Diffuse change to -
B21	0.2 - 0.8 m	Brown (7.5YR4/4-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6); Diffuse change to -
C	0.8 - 1.6 m	Strong brown (7.5YR5/6-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1.2);

**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			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
					g/g - m3/m3				mm/h

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Laboratory Analyses Completed for this profile