

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 381 **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>	14/08/91	<b>Elevation:</b>	300 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7739783 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	489506 Datum: AGD66	<b>Drainage:</b>	Rapidly 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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	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):** Loose

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Regolithic Orthic Tenosol Thin Non-gravelly Sandy		<b>Principal Profile Form:</b>	Uc4.22
Sandy Moderately deep		<b>Great Soil Group:</b>	Siliceous sand

**ASC Confidence:**  
All necessary analytical data are available.

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

**Vegetation:** Low Strata - , , . \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Paspalum species  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus polycarpa, Eucalyptus tessellaris

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

**Profile Morphology**

A1	0 - 0.04 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear, Smooth change to -
A2	0.04 - 0.25 m	Dark brown (7.5YR3/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.05); Gradual, Smooth change to -
B21	0.25 - 0.6 m	Strong brown (7.5YR4/6-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.6);

**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
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile