

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1359                      **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>	18/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7746128 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	334644    Datum: AGD66	<b>Drainage:</b>	Imperfectly 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, 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>	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 Loamy Loamy Deep	<b>Principal Profile Form:</b>	Uc5.11
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Earthy sand
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, 0.26-0.5m, Sparse. \*Species includes - *Aristida* species, *Heteropogon contortus*  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - *Melaleuca nervosa*, *Acacia* species  
Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - *Melaleuca nervosa*, *Eucalyptus setosa*,

## Eucalyptus

melanophloia

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, subangular, Quartz

## Profile Morphology

A11	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.05); Abrupt change to -
A12	0.07 - 0.2 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Clear change to -
B1	0.2 - 0.55 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); Clear change to -
B21	0.55 - 0.9 m	Yellowish brown (10YR5/6-Moist); ; Coarse sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.8); Clear change to -
B22	0.9 - 1.1 m	Yellowish brown (10YR5/4-Moist); ; Clayey coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 1);

### Morphological Notes

## Observation Notes

## Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

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

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	mm/h

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Laboratory Analyses Completed for this profile