

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 449                      **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>	17/10/91	<b>Elevation:</b>	265 metres
<b>Map Ref.:</b>	Sheet No. : 8156    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7694628 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	421744    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>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	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>	10 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Ferric Orthic Tenosol Thin Non-gravelly Sandy Loamy Moderately deep	<b>Principal Profile Form:</b>	Gn1.42
<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 - Eriachne obtusa, Aristida species, Digitaria ciliaris

Mid Strata - Tree, 1.01-3m, Mid-dense. \*Species includes - Melaleuca tamariscina, Acacia laccata

Tall Strata - Tree, 6.01-12m, Isolated plants. \*Species includes - Eucalyptus melanophloia

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

#### Profile Morphology

A1	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.07 - 0.4 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
B22	0.4 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Clear change to -
B2c	0.6 - 0.65 m	; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, rounded, dispersed, Ferricrete, coarse fragments; , Calcareous, , , , Gypseous, , ;

#### 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