

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1575                      **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>	30/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7774774 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	340058    Datum: AGD66	<b>Drainage:</b>	Rapidly drained

#### 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>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<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 Paralithic Bleached-Leptic Tenosol		<b>Principal Profile Form:</b>	Uc2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Siliceous sand
All necessary analytical data are available.			

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

**Vegetation:** Low Strata - , , . \*Species includes - Heteropogon contortus, Aristida species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Melaleuca nervosa, Grevillea parallela, Petalostigma pubescens

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus peltata, Eucalyptus polycarpa

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

#### Profile Morphology

A11b	0 - 0.06 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear change to -
A12	0.06 - 0.25 m	Greyish brown (10YR5/2-Moist); ; Clayey sand (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
A2e	0.25 - 0.55 m	Pale brown (10YR6/3-Moist); ; Clayey sand (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.5);

#### 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