

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1361 **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>	7751379 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	331596 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Basic Paralithic Bleached-Leptic Tenosol Thick Moderately gravelly Sandy Sandy Moderately deep	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	All necessary analytical data are available.	<b>Principal Profile Form:</b>	Uc2.12
		<b>Great Soil Group:</b>	Siliceous sand

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Aristida species, Heteropogon contortus  
Mid Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Acacia species, Petalostigma pubescens, Bursaria incana

Grevillea

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus quadricostata, Eucalyptus similis,

**Surface Coarse Fragments:** 20-50%, fine gravelly, 2-6mm, subangular, Quartz

#### Profile Morphology

A11	0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.08 - 0.13 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to -
A2e	0.13 - 0.6 m	Light yellowish brown (10YR6/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (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

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Laboratory Analyses Completed for this profile