

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1003 **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>	20/11/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8256 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7681035 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	484034 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>	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>	Very gently sloped
<b>Slope:</b>	1 %	<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>	Gn2.15
Loamy Moderately deep			

#### **ASC Confidence:**

No analytical data are available but confidence is fair.

#### **Great Soil Group:**

Red earth

**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, Chrysopogon

fallaxMid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus erythrophloia

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus papuana

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

#### Profile Morphology

A1	0 - 0.08 m	Reddish brown (5YR4/3-Moist); ; Loamy sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05);
B21	0.08 - 0.35 m	Reddish brown (2.5YR4/4-Moist); ; Loamy sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.3);
B22	0.35 - 0.65 m	Red (10R4/6-Moist); ; Sandy loam (Light); Massive grade of structure; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (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