

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 556 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	21/06/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8158 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7796458 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	416453 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, Detrital sedimentary rock (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	100 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Paralithic Bleached-Leptic Tenosol Medium Non-gravelly Sandy Sandy Moderately deep	<b>Principal Profile Form:</b>	Uc3
<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 - Tussock grass, 0.51-1m, Sparse. \*Species includes - Bothriochloa pertusa, Heteropogon contortus, Sporobolus species Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Terminalia oblongata, Lysiphillum carronii

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii, Lysiphillum carronii

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.03 m	Brown (10YR4/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , , Clear change to -
A12	0.03 - 0.15 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , Gypseous, , , Field pH 7 (Raupach, 0.05); Clear change to -
A2e	0.15 - 0.5 m	Light yellowish brown (10YR6/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , Gypseous, , , Field pH 7 (Raupach, 0.3); Diffuse change to -
Cc	0.5 - 1.2 m	White (10YR8/2-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , Gypseous, , , Field pH 8 (Raupach, 0.9);

**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