

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 232 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M. DeCorte	<b>Locality:</b>	
<b>Date Desc.:</b>	05/06/91	<b>Elevation:</b>	220 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7767942 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	482959 Datum: AGD66	<b>Drainage:</b>	No Data

#### Geology

<b>ExposureType:</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, Granite

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	90 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Paralithic Orthic Tenosol Thin Slightly gravelly Sandy Sandy Shallow		<b>Principal Profile Form:</b>	Uc4.21
<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 - Heteropogon contortus, Bothriochloa pertusa  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Albizia basaltica  
Tall Strata - Tree, 6.01-12m, Isolated plants. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, angular, Granite

#### Profile Morphology

A1	0 - 0.04 m	Dark yellowish brown (10YR3/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Coarse, (10 - 20) mm crack; Fine (1-2mm) macropores, Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , ; Common, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.04 - 0.2 m	Brown (7.5YR4/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Coarse, (10 - 20) mm crack; Fine (1-2mm) macropores, Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B21	0.2 - 0.45 m	Reddish yellow (5YR6/8-Moist); ; Clayey coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Coarse, (10 - 20) mm crack; Fine (1-2mm) macropores, Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear, Smooth change
C	0.45 - 0.55 m	; , 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