

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2032                      **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>	22/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7646584 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	455198    Datum: AGD66	<b>Drainage:</b>	Well drained

**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, No Data

**Land Form**

<b>Rel/Slope Class:</b>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Acidic Mellic Brown Kandosol Medium Moderately gravelly Clay-loamy Clay-loamy Deep	<b>Principal Profile Form:</b>	Um5.42
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow earth
No analytical data are available but confidence is fair.		

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

**Vegetation:**    Low Strata - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - Triodia pungens  
Mid Strata - Shrub, 1.01-3m, Sparse. \*Species includes - Petalostyles labicheoides, Petalostigma pubescens,  
Acacia argyrodendron  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus polycarpa, Acacia argyrodendron

**Surface Coarse Fragments:** 20-50%, coarse gravelly, 20-60mm, angular, Sandstone

**Profile Morphology**

A11	0 - 0.11 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 4.5 (Raupach, 0.05); Clear change to -
A12	0.11 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 4.5 (Raupach, 0.2); Clear change to -
B1	0.3 - 0.48 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Gradual change to -
B2	0.48 - 0.55 m	Strong brown (7.5YR5/8-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.55);

**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