

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1307 **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>	24/07/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8059 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7875166 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	376041 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 rises 9-30m 3-10%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol Medium Slightly gravelly Sandy Clay-loamy Deep	<b>Principal Profile Form:</b>	Dr2.22
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable group

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Heteropogon contortus, Aristida species, Chrysopogon fallax  
erythrophloia, Eucalyptus polycarpa

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia,

Eucalyptus

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

#### Profile Morphology

A11	0 - 0.04 m	Dark brown (7.5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.02); Abrupt change to -
A12	0.04 - 0.12 m	Brown (7.5YR4/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.08); Clear change to -
B1	0.12 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4); Gradual change to -
B2	0.6 - 1.3 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam (Heavy); Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm2) Medium (2-5mm) macropores, 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 1);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile