

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1715 **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>	12/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8055 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7660251 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	379759 Datum: AGD66	<b>Drainage:</b>	Rapidly 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>	Gently undulating plains <9m 1-3%	<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>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Sandy Clay-loamy Deep	<b>Principal Profile Form:</b>	Gn2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red earth
Confidence level not specified		

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

**Vegetation:** Low Strata - Hummock grass, 0.51-1m, Mid-dense. \*Species includes - Triodia mitchellii, Aristida species  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Grevillea glauca, Hakea species  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus papuana, Eucalyptus polycarpa,  
Eucalyptus similis

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.04); Clear change to -
A12	0.08 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
B1	0.2 - 0.7 m	Strong brown (7.5YR4/6-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
B2	0.7 - 1 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (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	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
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