

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1431                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	29/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7728016 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	374964    Datum: AGD66	<b>Drainage:</b>	Moderately 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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**    Hardsetting, Cryptogam surface

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Yellow Kandosol Medium Slightly gravelly Loamy Very fine	<b>Principal Profile Form:</b>	Gn2.81
<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, <0.25m, Sparse. \*Species includes - Aristida species, Chrysopogon fallax,  
Cymbopogon                      bombycinus    Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Hakea species, Eremophila mitchellii  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus melanophloia, Eucalyptus papuana

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Sandy clay loam; Weak grade of structure, 2-5 mm, Platy; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Abrupt change to -
A12	0.08 - 0.18 m	Brown (10YR5/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Clear change to -
B21	0.18 - 0.3 m	Light yellowish brown (10YR6/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.25); Gradual change to -
B22	0.3 - 0.6 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR5/6, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Light clay; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6);

**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