

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1423 **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>	18/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7733398 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	370690 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### Geology

<b>Exposure Type:</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>	No Data	<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):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached Petroferric Red Kandosol		<b>Principal Profile Form:</b>	Gn2.92
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey earth

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, Very sparse. \*Species includes - Aristida species, Chrysopogon fallax  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Petalostigma pubescens  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus melanophloia

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

#### Profile Morphology

A1	0 - 0.08 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.05); Clear change to -
A2j	0.08 - 0.28 m	Pale brown (10YR6/3-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.25); Clear change to -
B21	0.28 - 0.58 m	Light olive brown (2.5Y5/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.5); Clear change to -
B22	0.58 - 0.7 m	; Clay loam, sandy (Light); Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.65);

#### 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