

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2176 **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>	05/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7663600 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	442285 Datum: AGD66	<b>Drainage:</b>	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>	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-Ferric Eutrophic Brown Kandosol		<b>Principal Profile Form:</b>	Dy2.43
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

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, Isolated plants. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus melanophloia  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus melanophloia, Eucalyptus polycarpa

**Surface Coarse Fragments:** 20-50%, medium gravelly, 6-20mm, rounded, Ironstone

#### Profile Morphology

A11	0 - 0.13 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.05); Clear
A21j	0.13 - 0.52 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.2); Clear change to -
A22e	0.52 - 0.7 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.6);
B21	0.7 - 1 m	Yellowish brown (10YR5/6-Moist); ; Sandy light clay; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 8 (Raupach, 0.9);
B22	1 - 1.2 m	Yellowish brown (10YR5/6-Moist); ; Sandy light medium clay; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 8.5 (Raupach, 1.2);

#### 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 mm/h

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Laboratory Analyses Completed for this profile