

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1731 **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> 25/06/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 7958 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7790459 AMG zone: 55	<b>Runoff:</b> Rapid
<b>Easting/Lat.:</b> 306912 Datum: AGD66	<b>Drainage:</b> Imperfectly 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> Undulating plains <9m 3-10%	<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> 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
Manganic Eutrophic Brown Ferrosol Medium Moderately gravelly Clayey Clayey Moderately deep	<b>Principal Profile Form:</b> Uf6.21

<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A
Confidence level not specified	

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Themeda triandra  
 Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus species  
 Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana,  
 Eucalyptus polycarpa

**Surface Coarse Fragments:** 50-90%, fine gravelly, 2-6mm, rounded, Ironstone

#### Profile Morphology

A11	0 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Weak consistence; Many (20 - 50 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.18 - 0.38 m	Dark yellowish brown (10YR3/4-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Many (20 - 50 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Gradual change to -
B22	0.38 - 0.58 m	Dark yellowish brown (10YR3/6-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Many (20 - 50 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); Clear change to -
BC	0.58 - 0.8 m	Brown (10YR4/3-Moist); ; Light medium clay; Rough-ped fabric; Dry; Weak consistence; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6); Gradual change to -
C	0.8 - 0.9 m	Dark yellowish brown (10YR4/4-Moist); ; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ,

#### 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