

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1733                      **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>	7800792 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	315502    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	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):** Firm

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Snuffy Eutrophic Brown Ferrosol		<b>Principal Profile Form:</b>	Gn3.22
<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, Mid-dense. \*Species includes - Themeda triandra, Bothriochloa species  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Eucalyptus platyphylla, Eucalyptus crebra  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus platyphylla

**Surface Coarse Fragments:** 20-50%, fine gravelly, 2-6mm, rounded, Ironstone

**Profile Morphology**

A11	0 - 0.12 m	Very dark brown (10YR2/2-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Dry; Weak consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B1	0.12 - 0.33 m	Brown (10YR4/3-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Polyhedral; Dry; Firm consistence; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
B21	0.33 - 0.7 m	Dark brown (7.5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Dry; Firm consistence; Many (20 - 50 %), Ferromanganiferous, Medium (2 - 6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6);
B22	0.7 - 0.75 m	Brown (7.5YR4/4-Moist); ; Light medium clay; Dry; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.8);

**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