

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2438 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	13/01/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8158 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7800450 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	416078 Datum: AGD66	<b>Drainage:</b>	Poorly 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Hypocalcic Black Dermosol Medium Slightly gravelly Clayey Clayey Deep	<b>Principal Profile Form:</b>	Uf6.22
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable

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 - Bothriochloa decipiens, Dichanthium species

Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Bursaria incana, Atalaya hemiglauca

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii

**Surface Coarse Fragments:** 2-10%, cobbly, 60-200mm, subrounded, Quartz

#### Profile Morphology

A1	0 - 0.1 m	Dark grey (10YR4/1-Moist); Mottles, 7.5YR4/2, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Moderately moist; 10-20%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); Mottles, 10YR3/1, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Gradual change to -
B22	0.4 - 0.75 m	Very dark grey (10YR3/1-Moist); Mottles, 10YR3/2, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.6); Clear change to -
B23	0.75 - 1.05 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 10YR3/1, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 8.5 (Raupach, 1);

#### 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