

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1923 **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>	27/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7637470 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	481255 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>	7 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Dermosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Gn3.13

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
No analytical data are available but confidence is fair.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Very sparse. \*Species includes - Cenchrus ciliaris  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Atalaya hemiglaucua  
Tall Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eucalyptus erythrophloia, Eucalyptus thozetiana

**Surface Coarse Fragments:** 20-50%, cobbly, 60-200mm, , Diorite

#### Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/2-Moist); ; Fine sandy clay loam; Weak grade of structure, 10-20 mm, Platy; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.04); Clear change to -
B1	0.1 - 0.25 m	Dark reddish brown (5YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
B21	0.25 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Metamorphic rock (unidentified), coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.5); Gradual change to -
B22	0.6 - 0.9 m	Brown (7.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Metamorphic rock (unidentified), coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (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