

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2415 **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>	11/05/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8060 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7929038 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	351227 Datum: AGD66	<b>Drainage:</b>	Moderately 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>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Deep	<b>Principal Profile Form:</b>	Db1.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Brown podzolic soil
No analytical data are available but confidence is fair.		

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Heteropogon contortus, Bothriochloa decipiens,  
Aristida species Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus erythrophloia, Bursaria incana

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

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.25 m	Dark brown (10YR3/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.25 - 0.6 m	Brown (10YR4/3-Moist); Mottles, 2.5Y48, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; 0-2%, fine gravelly, 2-6mm, angular, Granodiorite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.4); Gradual change to -
B3	0.6 - 0.95 m	Yellowish brown (10YR5/4-Moist); ; Coarse sandy light clay (Light); Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; 50-90%, fine gravelly, 2-6mm, angular, Granodiorite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.7); Gradual change to -
BC	0.95 - 1.3 m	Dark greyish brown (2.5Y4/3-Moist); ; Coarse sandy light clay; Massive grade of structure; Earthy fabric; Dry; 50-90%, fine gravelly, 2-6mm, angular, Granodiorite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 1.2);

#### 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	Acidity					%
						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	
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