

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 305 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M. DeCorte	<b>Locality:</b>	
<b>Date Desc.:</b>	04/07/91	<b>Elevation:</b>	210 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7777190 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	451943 Datum: AGD66	<b>Drainage:</b>	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>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Levee	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	290 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Dermosol Thick Non-gravelly Loamy Clay-loamy Very deep	<b>Principal Profile Form:</b>	Gn3.15
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Brown earth

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, Sparse. \*Species includes - Chrysopogon fallax, Heteropogon contortus  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus brownii, Eucalyptus papuana

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

#### Profile Morphology

A11	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
A12	0.15 - 0.32 m	Dark yellowish brown (10YR3/4-Moist); ; Fine sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Few, fine (1-2mm) roots; Diffuse, Smooth change to -
A3	0.32 - 0.58 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B1	0.58 - 1 m	Brown (7.5YR4/4-Moist); ; Fine sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.9); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B21	1 - 1.8 m	Yellowish red (5YR4/6-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 1.5); Few, very fine (0-1mm) roots;

#### 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