

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 392 **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>	15/08/91	<b>Elevation:</b>	260 metres
<b>Map Ref.:</b>	Sheet No. : 8156 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7728605 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	410285 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	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>	%	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Mottled-Subnatic Grey Sodosol Medium Non-gravelly Silty Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy3.33
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic soil

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, 0.51-1m, Sparse. \*Species includes - Panicum species, Aristida species, Chrysopogon fallax  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eremophila mitchellii  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus brownii, Acacia harpophylla, Eucalyptus cambageana

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

#### Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A2j	0.05 - 0.25 m	Brown (10YR4/3-Moist); Mottles, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, ; , Gypseous, ; ; Abrupt change to -
B21	0.25 - 0.5 m	Grey (10YR5/1-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Sandy medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, ; , Gypseous, ; ; Field pH 7.5 (Raupach, 0.5);

#### 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

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Laboratory Analyses Completed for this profile