

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 356                      **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>	01/08/91	<b>Elevation:</b>	280 metres
<b>Map Ref.:</b>	Sheet No. : 8157    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7741508 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	401785    Datum: AGD66	<b>Drainage:</b>	Well 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	0 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calcic brown soil

No analytical data are available but confidence is fair.

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**    Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Cenchrus ciliaris  
                         Mid Strata - , , . \*Species includes - None recorded  
                         Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:** 50-90%, medium gravelly, 6-20mm, angular, Siltstone

**Profile Morphology**

A1	0 - 0.18 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.05); Abrupt, Smooth change to -
A3	0.18 - 0.25 m	; 50-90%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; , Calcareous, , , ; Gypseous, , ; Abrupt, Smooth change to -
B21	0.25 - 0.5 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 7 (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
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
					g/g -	m3/m3			mm/h

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Laboratory Analyses Completed for this profile