

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 396 **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>	370 metres
<b>Map Ref.:</b>	Sheet No. : 8157 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7779186 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	400494 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>	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>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	10 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Petroferric Grey Kandosol Thin Non-gravelly Loamy Clay-loamy Moderately deep	<b>Principal Profile Form:</b>	Gn2.82
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Grey earth

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, Mid-dense. \*Species includes - Aristida species, Heteropogon contortus, Chrysopogon fallax Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 1.01-3m, Mid-dense. \*Species includes - Eucalyptus melanophloia, Acacia species

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

**Profile Morphology**

A1	0 - 0.08 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Gradual change to -
A3	0.08 - 0.35 m	Brown (10YR5/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Gradual change to -
B21c	0.35 - 0.75 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR58, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.7);

**Morphological Notes**

**Observation Notes**

**Site Notes**

**Laboratory Test Results:**

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 - m <sup>3</sup> /m <sup>3</sup>				mm/h	mm/h

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Laboratory Analyses Completed for this profile