

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 484 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	18/11/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8256 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7711933 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	482619 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached Eutrophic Red Chromosol Medium Moderately gravelly Sandy Clayey Shallow		<b>Principal Profile Form:</b>	Dr3.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red podzolic soil

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Eragrostis species, Aristida species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Petalostigma pubescens, Acacia species  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus polycarpa, Eucalyptus papuana

**Surface Coarse Fragments:** 20-50%, fine gravelly, 2-6mm, angular, Quartz

**Profile Morphology**

A1	0 - 0.06 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change
A2	0.06 - 0.22 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Sharp change to -
B2	0.22 - 0.4 m	Red (2.5YR4/6-Moist); Mottles, 10YR6/6, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Sandy light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 5.7 (Raupach, 0.4);

**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 mm/h

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Laboratory Analyses Completed for this profile