

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 368                      **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>	12/08/91	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 8257    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7756398 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	473113    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>	Undisturbed soil core, Granodiorite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	240 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 Sandy Clayey Shallow		<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:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**    Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Bothriochloa pertusa  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia,

Eucalyptus

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

**Profile Morphology**

A1	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); ; Loamy coarse sand; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear, Smooth change to -
A3	0.08 - 0.15 m	Dark brown (7.5YR3/3-Moist); ; Loamy coarse sand (Heavy); Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Abrupt, Smooth change
B21	0.15 - 0.45 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Clear, Smooth change to -
BC	0.45 - 0.8 m	Red (2.5YR4/6-Moist); Substrate influence, 10YR83, 20-50% , 5-15mm, Prominent; Substrate influence, 7.5YR58, 20-50% ; Sandy clay loam; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.6); Clear, Smooth change to -
C	0.8 - 1 m	; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.9);

**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