

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1196                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	16/06/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8058    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7833604 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	385535    Datum: AGD66	<b>Drainage:</b>	No Data

**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, No Data

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<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
Haplic Eutrophic Red Chromosol Medium Non-gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Non-calcic brown soil

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Chrysopogon fallax, Sporobolus caroli  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 0-2%, medium gravelly, 6-20mm, angular, Quartz

**Profile Morphology**

A11	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ;
B21	0.12 - 0.35 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B22	0.35 - 0.65 m	Dark brown (7.5YR3/4-Moist); ; Medium clay; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6); Clear change to -
B3	0.65 - 0.9 m	Dark greyish brown (2.5Y4/2-Moist); ; Clay loam; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.7);
R	0.9 - 0.91 m	Rock

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP		
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%		
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
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