

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1232                      **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>	30/06/92	<b>Elevation:</b>	360 metres
<b>Map Ref.:</b>	Sheet No. : 8059    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7864701 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	386946    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>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating hills 90-300m 3-	<b>Pattern Type:</b>	Low hills
<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 Thick Gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.22
<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, Bothriochloa species, Aristida species                      Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus brownii, Eucalyptus crebra

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, rounded, Quartz

#### Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.35 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
A13	0.35 - 0.55 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Field pH 6.5 (Raupach, 0.5); Abrupt change to -
B21	0.55 - 0.7 m	Red (2.5YR4/6-Moist); ; Medium clay; Weak grade of structure, Polyhedral; Smooth-ped fabric; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Abrupt change to -
B22	0.7 - 0.9 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Smooth-ped fabric; Common cutans, 10-50% of ped faces or walls coated; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.8);

#### 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