

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1229                      **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>	7867092 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	390693    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>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating hills 90-300m 3-	<b>Pattern Type:</b>	Hills
<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>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached-Sodic Supracalcic Brown Chromosol Thick Slightly gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy2.43
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Gleyed podzolic 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, 0.26-0.5m, Sparse. \*Species includes - Heteropogon contortus, Aristida species, Cyperus species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eremophila mitchellii, Atalaya hemiglaucula, Grevillea species

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, angular, Quartz

#### Profile Morphology

A11	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.15 - 0.25 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, coarse gravelly, 20-60mm, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A2e	0.25 - 0.4 m	Greyish brown (10YR5/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, coarse gravelly, 20-60mm, angular, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.7 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; 10-20%, medium gravelly, 6-20mm, angular, Igneous rock (unidentified), coarse fragments; Few (2 - 10 %), Ferromanganiferous, , Soft segregations; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.5);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.4 - 0.7	8.4A									

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			%		
0.4 - 0.7												

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	mm/h	mm/h
0.4 - 0.7					g/g - m3/m3					

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension