

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2267 **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>	25/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7859 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7866513 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	264939 Datum: AGD66	<b>Drainage:</b>	Well 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 low hills 30-90m 3-10%	<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>	6 %	<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 Hypocalcic Red Chromosol Medium Moderately gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dr2.23
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red-brown earth

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 - Themeda triandra, Heteropogon contortus  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Acacia species  
Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

**Surface Coarse Fragments:** 20-50%, medium gravelly, 6-20mm, subrounded, Metamorphic rock (unidentified)

#### Profile Morphology

A11	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, subrounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.04);
A12	0.07 - 0.25 m	Dark brown (7.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, subrounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.15); Abrupt change to -
B2	0.25 - 0.5 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4);
B3	0.5 - 0.65 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.6);
C	0.65 - 1 m	Light olive grey (5Y6/2-Moist); ; Light clay; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 1);

#### 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