

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1231 **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>	380 metres
<b>Map Ref.:</b>	Sheet No. : 8059 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7865008 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	388172 Datum: AGD66	<b>Drainage:</b>	Moderately 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, Detrital sedimentary rock (unidentified)

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 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>	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 Mesotrophic Red Dermosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Uf6.31
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Red clay

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa ewartiana, Chrysopogon fallax, Aristida erythrophloia species Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

**Surface Coarse Fragments:** 20-50%, coarse gravelly, 20-60mm, angular, Quartz

#### Profile Morphology

A1	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.15 - 0.45 m	Red (2.5YR4/6-Moist); ; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
B22	0.45 - 0.65 m	Yellowish red (5YR4/6-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; 0-2%, medium gravelly, 6-20mm, angular, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); Clear change to -
B3	0.65 - 0.9 m	Dark greyish brown (2.5Y4/3-Moist); Mottles, 5YR46, 10-20% , Distinct; Mottles, 10-20% ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; 10-20%, medium gravelly, 6-20mm, angular, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (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			%

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Laboratory Analyses Completed for this profile