

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 291 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M. DeCorte	<b>Locality:</b>	
<b>Date Desc.:</b>	02/07/91	<b>Elevation:</b>	370 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7747901 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	453298 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Steep hills 90-300m 32-56%	<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>	Moderately inclined
<b>Slope:</b>	40 %	<b>Aspect:</b>	120 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol Medium Very gravelly		<b>Principal Profile Form:</b>	Gn2.14
Sandy Clay-loamy Moderately deep		<b>Great Soil Group:</b>	Red earth

#### **ASC Confidence:**

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, Very sparse. \*Species includes - Panicum species  
Mid Strata - Shrub, 0.51-1m, Mid-dense. \*Species includes - None recorded  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Acacia shirleyi

**Surface Coarse Fragments:** 50-90%, cobbly, 60-200mm, angular tabular, Igneous rock (unidentified)

#### Profile Morphology

A1	0 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 4.5 (Raupach, 0.05); Gradual, Smooth change to -
A3	0.2 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 0.3); Abrupt, Smooth change to -
B21	0.4 - 0.75 m	Red (2.5YR4/6-Moist); ; Fine sandy clay loam (Light); Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; 2-10%, coarse gravelly, 20-60mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 291 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na	Acidity					%
						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

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 291 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile