

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 524                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	11/04/91	<b>Elevation:</b>	220 metres
<b>Map Ref.:</b>	Sheet No. : 8257    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7751192 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	488110    Datum: AGD66	<b>Drainage:</b>	Rapidly 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, Granite

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	30 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Paralithic Orthic Tenosol Thin Non-gravelly Sandy		<b>Principal Profile Form:</b>	Uc4.21
Sandy Moderately deep			
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Siliceous sand
All necessary analytical data are available.			

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

**Vegetation:**    Low Strata - Tussock grass, <0.25m, Sparse. \*Species includes - Heteropogon contortus, Aristida species  
species                      Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Planchonia careya, Eucalyptus species, Acacia  
Eucalyptus                      Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus polycarpa, Eucalyptus papuana,  
   platyphylla

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.08 m	Dark yellowish brown (10YR3/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 10-20%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots; Clear change to -
A2	0.08 - 0.3 m	Yellowish brown (10YR5/6-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 10-20%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Common, very fine (0-1mm) roots; Clear change to -
B	0.3 - 0.6 m	Strong brown (7.5YR5/8-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6); Few, very fine (0-1mm) roots; Gradual change to -
BC	0.6 - 0.9 m	Strong brown (7.5YR5/8-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9); Few, very fine (0-1mm) roots;

**Morphological Notes**

**Observation Notes**

**Site Notes**

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 524                      **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 Cmol (+)/kg	Acidity		%
0 - 0.08	7.3A								
0.08 - 0.3	7.5A		3.4J	0.8	0.3	0.4		2l	20.00
0.3 - 0.6	7.6A								
0.6 - 0.9	7.6A								

[illegible][illegible]

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 524                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Laboratory Analyses Completed for this profile**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension