

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 489                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	19/11/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8256    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7704882 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	461889    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Rises
<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>	2.5 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Mottled-Subnatric Brown Sodosol Thin Gravelly Loamy Clayey Deep	<b>Principal Profile Form:</b>	Db2.13
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic soil

All necessary analytical data are available.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Eragrostis species, Aristida species  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eremophila mitchellii, Lysiphillum carronii  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Acacia argyrodendron

**Surface Coarse Fragments:** 10-20%, medium gravelly, 6-20mm, angular, Mudstone

**Profile Morphology**

A	0 - 0.08 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Moist; Weak consistence; , Calcareous, , ; , Gypseous, , ;
B21	0.08 - 0.3 m	Brown (10YR4/3-Moist); Mottles, 7.5YR44, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Firm consistence; , Calcareous, , ; , Gypseous, , ;
B22	0.3 - 0.6 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR33, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ;
BC	0.6 - 1.05 m	Brown (10YR5/3-Moist); Mottles, 10YR73, 10-20% , 5-15mm, Distinct; Mottles, 7.5YR54, 10-20% ; Heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Strong consistence; 50-90%, coarse gravelly, 20-60mm, angular, stratified, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous;

**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:** 489                      **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	6A								
0.08 - 0.3	6.6A		2J	10.2	0.2	1.4		13.71	10.22
0.3 - 0.6	8.5A								
0.6 - 1.05	8.2A								

[illegible][illegible]

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 489                      **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