

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1433 **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>	29/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7725940 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	377086 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0.5 %	<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 Mesonatric Brown Sodosol		<b>Principal Profile Form:</b>	Db1.33
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodic soil

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, <0.25m, Very sparse. \*Species includes - Aristida species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eremophila mitchellii, Acacia argyrodendron  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Acacia argyrodendron, Eucalyptus brownii

**Surface Coarse Fragments:** 2-10%, medium gravelly, 6-20mm, subrounded, Quartz

#### Profile Morphology

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
A2j	0.05 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.11 - 0.32 m	Dark brown (10YR3/3-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.5 (Raupach, 0.25); Gradual change to -
B22	0.32 - 0.5 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Root linings; ; Calcareous, ; ; Gypseous, ; ; Field pH 8 (Raupach, 0.5);

#### 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: 1433 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			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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: 1433 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile