

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 275 **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>	20/06/91	<b>Elevation:</b>	260 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7768792 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	448164 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>	Undisturbed soil core, Gabbro

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	90 degrees

**Surface Soil Condition (dry):** Cracking, Self-mulching

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Epicalcareous Self-Mulching Red Vertosol Slightly gravelly	<b>Principal Profile Form:</b>	Ug5.32
Medium fine Very fine Shallow	<b>Great Soil Group:</b>	Red clay

#### **ASC Confidence:**

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 - Bothriochloa pertusa, Urochloa species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus erythrophloia, Acacia farnesiana

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus crebra

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

#### Profile Morphology

A1	0 - 0.06 m	Dark reddish brown (5YR3/4-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.05); Common, fine (1-2mm) roots; Clear, Smooth change to -
B21	0.06 - 0.4 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 9 (Raupach, 0.3); Common, fine (1-2mm) roots; Clear, Smooth change to -
C	0.4 - 0.6 m	; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

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**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