

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 244 **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>	07/06/91	<b>Elevation:</b>	260 metres
<b>Map Ref.:</b>	Sheet No. : 8257 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7752855 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	495855 Datum: AGD66	<b>Drainage:</b>	Moderately well 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, Granodiorite

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	0 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Chromosol Medium Non-gravelly Sandy Clayey Shallow		<b>Principal Profile Form:</b>	Db1.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calciic brown soil

All necessary analytical data are available.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa pertusa  
Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - Eucalyptus erythrophloia  
Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A1	0 - 0.08 m	Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm <sup>2</sup> ) Medium (2-5mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.08 - 0.22 m	Brown (7.5YR4/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm <sup>2</sup> ) Medium (2-5mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Common, very fine (0-1mm) roots; Abrupt, Smooth change to -
B21	0.22 - 0.42 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; Strong grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
C	0.42 - 0.7 m	; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

[illegible][illegible][illegible]

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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