

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 327 **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>	19/07/91	<b>Elevation:</b>	320 metres
<b>Map Ref.:</b>	Sheet No. : 8157 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7768140 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	415042 Datum: AGD66	<b>Drainage:</b>	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>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	100 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Non-calcic brown soil
All necessary analytical data are available.		

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Bothriochloa ewartiana, Heteropogon contortus,  
Bothriochloa decipiens Mid Strata - Tree, 1.01-3m, Isolated clumps. \*Species includes - Eucalyptus erythrophloia

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

**Surface Coarse Fragments:** 0-2%, medium gravelly, 6-20mm, angular, Granodiorite

**Profile Morphology**

A1	0 - 0.15 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt, Smooth change to -
B21	0.15 - 0.4 m	Red (2.5YR4/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Abrupt, Smooth change to -
B/C	0.4 - 0.8 m	Yellowish red (5YR5/8-Moist); Substrate influence, 5YR68, 20-50% , 0-5mm, Faint; Substrate influence, 20-50% ; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (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