

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 537                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	19/06/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8157    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7785783 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	415312    Datum: AGD66	<b>Drainage:</b>	Moderately 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, Granodiorite

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<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 Eutrophic Red Chromosol Thin Non-gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calci brown soil
All necessary analytical data are available.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**    Low Strata - , , . \*Species includes - Bothriochloa decipiens, Dichanthium sericeum, Themeda triandra  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.05 m	Reddish brown (5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear
B1	0.05 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Clay loam (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
B21	0.2 - 0.6 m	Red (2.5YR4/8-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Field pH 7.5 (Raupach, 0.6); Gradual change to -
B22	0.6 - 0.87 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Clear change to -
C	0.87 - 0.95 m	; Sandy clay loam; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.9);

**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