

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1918 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Rogers, Gary	<b>Locality:</b>
<b>Date Desc.:</b> 26/05/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8255 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7653442 AMG zone: 55	<b>Runoff:</b> Moderately rapid
<b>Easting/Lat.:</b> 473910 Datum: AGD66	<b>Drainage:</b> Imperfectly 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, No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating plains <9m 1-3%	<b>Pattern Type:</b> Plain
<b>Morph. Type:</b> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Very gently sloped
<b>Slope:</b> 3 %	<b>Aspect:</b> No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Bleached-Mottled Eutrophic Brown Chromosol Thick Non-gravelly Silty Clayey Deep	<b>Principal Profile Form:</b> Dy3.42
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Yellow podzolic 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, 0.26-0.5m, Sparse. \*Species includes - Aristida species, Heteropogon contortus, Sporobolus species Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra, Erythroxylon australe, Acacia salicina

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus polycarpa

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

#### Profile Morphology

A11	0 - 0.1 m	Dark yellowish brown (10YR4/4-Moist); ; Silty clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Sharp change to -
A12	0.1 - 0.2 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Clear change to -
A2e	0.2 - 0.35 m	Yellowish brown (10YR5/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B21	0.35 - 0.75 m	Yellowish brown (10YR5/6-Moist); Mottles, 5YR56, 10-20% , 15-30mm, Distinct; Mottles, 10-20% ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), , Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.7); Gradual change to -
B22	0.75 - 1.5 m	Olive yellow (2.5Y6/7-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Sandy light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), , Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 1.5);

#### Morphological Notes

#### Observation Notes

#### Site Notes



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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%



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Laboratory Analyses Completed for this profile