

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1738 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Bright, J (Mitch)	<b>Locality:</b>
<b>Date Desc.:</b> 22/07/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8155 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7632566 AMG zone: 55	<b>Runoff:</b> Rapid
<b>Easting/Lat.:</b> 431532 Datum: AGD66	<b>Drainage:</b> Poorly 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> Simple-slope	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Very gently sloped
<b>Slope:</b> 1 %	<b>Aspect:</b> No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b> Bleached Eutrophic Brown Dermosol Thin Non-gravelly Clay-loamy Clayey Deep	<b>Mapping Unit:</b> N/A <b>Principal Profile Form:</b> Db1.43
<b>ASC Confidence:</b> Confidence level not specified	<b>Great Soil Group:</b> Solodic soil

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Sporobolus species, Aristida species  
Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus cambageana, Eucalyptus brownii,

Eremophila

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus cambageana, Eucalyptus brownii, Acacia

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, rounded, Ironstone

#### Profile Morphology

A11	0 - 0.03 m	Very dark brown (7.5YR2/4-Moist); ; Sandy loam; Massive grade of structure; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.03); Abrupt change to -
A12	0.03 - 0.12 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Strong grade of structure, 10-20 mm, Platy; Strong grade of structure, 2-5 mm, Platy; Smooth-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.08); Abrupt change to -
A2e	0.12 - 0.15 m	Brown (7.5YR5/4-Moist); ; Sandy clay loam; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Abrupt change to -
B1	0.15 - 0.32 m	Dark brown (7.5YR3/4-Moist); ; Sandy light clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear change to -
B21	0.32 - 0.35 m	Dark brown (7.5YR3/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 0.35); Clear change to -
B22	0.35 - 1 m	Brown (7.5YR4/4-Moist); ; Light clay; Strong grade of structure; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 1);

#### 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