

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 320 **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>	18/07/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7624799 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	482710 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>	No Data

#### Land Form

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

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Sodic Hypercalcic Brown Dermosol Medium Non-gravelly	<b>Principal Profile Form:</b>	Uf3
Clayey Clayey Moderately deep	<b>Great Soil Group:</b>	No suitable

**ASC Confidence:** All necessary analytical data are available.

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Cenchrus ciliaris  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Acacia argyrodendron  
Tall Strata - Tree, 6.01-12m, Isolated clumps. \*Species includes - Acacia argyrodendron

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

#### Profile Morphology

A1	0 - 0.1 m	Dark yellowish brown (10YR3/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Many (>5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear, Smooth change to -
A2j	0.1 - 0.22 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm <sup>2</sup> ) Medium (2-5mm) macropores, Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Clear, Smooth change to -
B21	0.22 - 0.5 m	Dark yellowish brown (10YR4/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Many (>5 per 100mm <sup>2</sup> ) Medium (2-5mm) macropores, Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , , Field pH 6 (Raupach, 0.3); Clear, Smooth change to -
B22k	0.5 - 0.9 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Many (>5 per 100mm <sup>2</sup> ) Medium (2-5mm) macropores, Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , , Field pH 9.5 (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