

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 100 **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>	09/08/90	<b>Elevation:</b>	290 metres
<b>Map Ref.:</b>	Sheet No. : 8054 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7601842 AMG zone: 55	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	390226 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Closed Depression	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Blow out	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	270 degrees

**Surface Soil Condition (dry):** Firm, Surface crust

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Hypocalcic Mottled-Hypernatric Yellow Sodosol Very thick Non-gravelly Sandy Clayey Deep		<b>Principal Profile Form:</b>	Dy3.43
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodized solonetz
All necessary analytical data are available.			

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, <0.25m, Sparse. \*Species includes - Eragrostis species, Paspalum species, Chrysopogon

fallax Mid Strata - Tree, 1.01-3m, Mid-dense. \*Species includes - Acacia species, Grevillea striata

Tall Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Grevillea parallela, Grevillea striata, Acacia

species

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

#### Profile Morphology

A1	0 - 0.01 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , ; Few, fine (1-2mm) roots; Clear, Smooth change to -
A2e	0.01 - 0.6 m	Very pale brown (10YR7/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Field pH 6.5 (Raupach, 0.6); Common, fine (1-2mm) roots; Abrupt, Irregular change to -
B21	0.6 - 0.9 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium clay; Strong grade of structure, 50-100 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.9); Gradual, Smooth change to -
B22	0.9 - 1 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR78, 2-10% , 0-5mm, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ;

#### 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