

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1191 **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>	16/06/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8058 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7820894 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	388321 Datum: AGD66	<b>Drainage:</b>	Well 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>	No Data
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Petroferric Bleached-Leptic Tenosol Shallow		<b>Principal Profile Form:</b>	Uc2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Siliceous sand
All necessary analytical data are available.			

**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, Chrysopogon fallax, Bothriochloa species  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Erythroxylon australe

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

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

**Profile Morphology**

A11	0 - 0.15 m	Brown (10YR4/3-Moist); ; Loamy fine sand; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.15 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey fine sand; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
A2e	0.3 - 0.55 m	Yellowish brown (10YR5/4-Moist); ; Clayey fine sand; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.4);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	6.4A		0.86B	0.19	0.33	0.02				
0.15 - 0.3	6.2A									
0.3 - 0.55	6.5A		0.6B	0.29	0.11	0.04				

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**Laboratory Analyses Completed for this profile**

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension