

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1364 **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>	19/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7750860 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	319738 Datum: AGD66	<b>Drainage:</b>	Moderately 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	8 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Red Dermosol Thin Gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3.52
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Non-calci brown soil
All necessary analytical data are available.		

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Aristida species, Panicum species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus similis, Acacia species, Eucalyptus crebra

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

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, angular, Granite

#### Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.05); Abrupt change to -
B1	0.05 - 0.25 m	Reddish brown (5YR4/4-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.2); Clear change to -
B21	0.25 - 0.45 m	Yellowish red (5YR4/6-Moist); Mottles, 10YR56, 10-20% , Faint; Mottles, 10-20% ; Light medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Dry; 10-20%, medium gravelly, 6-20mm, subrounded, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.4); Gradual change to -
B22	0.45 - 0.8 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 7.5 (Raupach, 0.8);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

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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