

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1216 **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> 18/06/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8059 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7853659 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 356213 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> 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> Flat	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Very gently sloped
<b>Slope:</b> 3 %	<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 Calcic Grey Kandosol Thin Slightly gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b> Gn2.83
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Grey earth

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, Very sparse. \*Species includes - Sporobolus caroli, Bothriochloa species,

Chloris species Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eremophila mitchellii

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

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, subangular, Quartz

#### Profile Morphology

A1	0 - 0.09 m	Brown (10YR4/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.03); Abrupt change to -
B21	0.09 - 0.22 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.15); Clear change to -
B22	0.22 - 0.42 m	Dark greyish brown (10YR4/2-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.3); Clear change to -
B23	0.42 - 0.65 m	Brown (10YR5/3-Moist); ; Sandy light medium clay; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach, 0.5); Clear change to -
B24	0.65 - 0.95 m	Pale brown (10YR6/3-Moist); ; Sandy light medium clay (Heavy); Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 - 6 mm), Soft segregations; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (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