

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 613 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	25/05/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8158-1 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7843536 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	442089 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 rises 9-30m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Terrace flat	<b>Slope Category:</b>	Level
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Subnatric Brown Sodosol Thick Non-gravelly Sandy Clayey Very deep	<b>Principal Profile Form:</b>	Dy2.73
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic soil

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - , , . \*Species includes - None recorded  
Mid Strata - Tree, 6.01-12m, Isolated plants. \*Species includes - Eucalyptus platyphylla  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus tereticornis, Eucalyptus crebra

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Loamy sand; Weak grade of structure, 20-50 mm, Platy; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.05); Clear change to -
A2j	0.15 - 0.4 m	Brown (7.5YR5/4-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Abrupt change to -
B2	0.4 - 1.4 m	Yellowish brown (10YR5/6-Moist); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); Clear change to -
2B21	1.4 - 1.78 m	Very dark grey (10YR3/1-Moist); ; Silty medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , Field pH 9 (Raupach, 1.5); Clear change to -
2B22	1.78 - 2.1 m	Dark yellowish brown (10YR4/4-Moist); ; Silty medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , Field pH 9 (Raupach, 2.1);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			
						Cmol (+)/kg			%

  

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

  

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile