

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1403                      **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>	15/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7741558 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	363847    Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### Geology

<b>Exposure Type:</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>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Kandosol		<b>Principal Profile Form:</b>	Gn
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	No suitable group

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 - Aristida species  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Albizia basaltica  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus persistsens

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.11 m	Light olive brown (2.5Y5/4-Moist); ; Fine sandy loam; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.11 - 0.32 m	Olive brown (2.5Y4/4-Moist); ; Fine sandy clay loam; Weak grade of structure, 2-5 mm, Platy; Rough-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.25); Abrupt change to -
2A1b	0.32 - 0.48 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy; Weak grade of structure, 5-10 mm, Platy; Rough-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; , Calcareous, , , ; , Gypseous, , ; Field pH 6 (Raupach, 0.45); Clear change to -
2A2b	0.48 - 0.65 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.65);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	
Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar			
					g/g -	m3/m3			mm/h	mm/h	

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Laboratory Analyses Completed for this profile