

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 724 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	14/08/91	Elevation:	290 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7795014 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	411048 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Brown Sodosol Thick Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Dy3.43

ASC Confidence:	Great Soil Group:	N/A
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Urochloa mosambicensis, Chrysopogon fallax,
Heteropogon contortus Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii,
Eucalyptus brownii, Acacia salicina

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.22 m	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Clear change to -
A2e	0.22 - 0.38 m	Brown (10YR5/3-Moist); ; Clayey coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Abrupt change to -
B21	0.38 - 0.7 m	Reddish brown (2.5YR5/3-Moist); Mottles, 7.5YR5/6, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium heavy clay; Strong grade of structure, 50-100 mm, Columnar; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.7);

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				%

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		
m			g/g -	m ³ /m ³				mm/h	mm/h

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Laboratory Analyses Completed for this profile