

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 586 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158-1 GPS	Rainfall:	No Data
Northing/Long.:	7825743 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	427175 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	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 Subnatric Brown Sodosol Medium Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Db1.43
ASC Confidence:	Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Sporobolus species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey fine sand; Weak grade of structure, 5-10 mm, Subangular blocky; Non-plastic; Normal plasticity; Non-sticky; , Calcareous, , , , Gypseous, , ; Common, very fine (0-1mm) roots; Clear change to -
A2e	0.08 - 0.15 m	Yellowish brown (10YR5/4-Moist); ; Fine sand; Weak grade of structure, 5-10 mm, Subangular blocky; Non-plastic; Normal plasticity; Non-sticky; , Calcareous, , , , Gypseous, , ; Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.15 - 0.4 m	Dark yellowish brown (10YR3/4-Moist); ; Medium clay (Heavy); Strong grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity; Moderately sticky; , Calcareous, , , , Gypseous, , ; Few, very fine (0-1mm) roots;
B22k	0.4 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity; Moderately sticky; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Few, very fine (0-1mm) roots;
BC	0.5 - 0.65 m	Reddish brown (2.5YR4/4-Moist); ; Fine sandy light clay (Heavy); Weak grade of structure, 10-20 mm, Subangular blocky; Slightly plastic; Normal plasticity; Slightly sticky; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous;
C	0.65 - 0.75 m	; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous;

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	Acidity					%
						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	
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