

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1677 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	05/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8159 GPS	Rainfall:	No Data
Northing/Long.:	7862504 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	401142 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:	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
Endocalcareous-Endohypersodic Massive Brown Vertosol	Principal Profile Form:	Ug5.6
Slightly gravelly Fine Medium fine Very deep	Great Soil Group:	No suitable group
ASC Confidence:		
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Themeda triandra, Bothriochloa species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus papuana
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, rounded, Unconsolidated material (unidentified)

Profile Morphology

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Platy; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.05 - 0.5 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , , Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Diffuse change to -
B22	0.5 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , , Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.7); Diffuse change to -
B23c	0.8 - 1.3 m	Olive brown (2.5Y4/4-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded tabular, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , , Fine (0 - 2 mm), Nodules; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 9.5 (Raupach, 1); Diffuse change to -
B24	1.3 - 1.5 m	Olive brown (2.5Y4/4-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , , Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 9.5 (Raupach, 1.5);

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		
m					g/g - m3/m3		15 Bar	mm/h	mm/h

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Laboratory Analyses Completed for this profile