

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1830 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	27/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7638064 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	490005 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

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

Surface Soil Condition (dry): Surface crust, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Self-Mulching Grey Vertosol Non-gravelly Fine Medium fine Very deep	Principal Profile Form:	Ug5.24
ASC Confidence:	Great Soil Group:	Grey clay
Confidence level not specified		

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Terminalia oblongata, Lysiphillum carronii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia cambagei

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.01 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.01);
A12	0.01 - 0.15 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.1);
B21	0.15 - 1 m	Greyish brown (2.5Y5/2-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Manganiferous, Fine (0 - 2 mm), Veins; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , , ; Field pH 8.5 (Raupach, 0.5);
B22	1 - 1.8 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 1.8);

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