

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1828 **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.:	7641130 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	488448 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Plain	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 Crusty Grey Vertosol Gravelly Fine Medium fine	Principal Profile Form:	Ug5.22
Moderately deep	Great Soil Group:	Grey clay

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Cenchrus ciliaris
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Terminalia oblongata

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, rounded, Quartz

Profile Morphology

A11	0 - 0.02 m	Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Weak grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.02);
A12	0.02 - 0.15 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.1);
B21	0.15 - 0.6 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.5);
C	0.6 - 0.7 m	; Smooth-ped fabric; Dry; Very firm consistence; 50-90%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; 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	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