

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1675 **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.:	7866392 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	403832 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	6 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol Medium Gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dy3.31

ASC Confidence:	Great Soil Group:	Soloth
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, . . *Species includes - Themeda triandra
Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm, rounded, Unconsolidated material (unidentified)

Profile Morphology

A11	0 - 0.1 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; , Calcareous, , ; , Gypseous, , ;
A2j	0.1 - 0.25 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; , Calcareous, , ; , Gypseous, , ;
B21	0.25 - 0.5 m	Strong brown (7.5YR5/6-Moist); Mottles, 2.5YR36, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; 2-10%, medium gravelly, 6-20mm, rounded tabular, dispersed, Unconsolidated material (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ;
B22	0.5 - 0.8 m	Grey (10YR6/1-Moist); Mottles, 2.5YR36, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; 10-20%, coarse gravelly, 20-60mm, rounded tabular, dispersed, Unconsolidated material (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.8);

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	CS	Size FS	Analysis 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