

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2293 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	03/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7851304 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	335658 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:	No Data	Pattern Type:	Plateau
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol Thin Non-gravelly Clayey Very deep	Principal Profile Form:	Gn2.12
ASC Confidence: No analytical data are available but confidence is fair.	Great Soil Group:	Red earth

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

Vegetation: Low Strata - Hummock grass, 0.51-1m, Sparse. *Species includes - Triodia mitchellii, Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia catenulata, Alphitonia excelsa
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus polycarpa, Acacia shirleyi,

Eucalyptus peltata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.02);
B21	0.05 - 0.45 m	Dark red (2.5YR3/6-Moist); ; Sandy light clay; Massive grade of structure; Dry; Weak consistence; Very many (50 - 100 %), Earthy, Fine (0 - 2 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4);
B22	0.45 - 0.7 m	Red (2.5YR4/6-Moist); ; Sandy light clay; Massive grade of structure; Dry; Weak consistence; Very many (50 - 100 %), Earthy, Fine (0 - 2 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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 - m ³ /m ³						mm/h	mm/h
0.0									
0.1									
0.2									
0.3									
0.4									
0.5									
0.6									
0.7									
0.8									
0.9									
1.0									
1.1									
1.2									
1.3									
1.4									
1.5									
1.6									
1.7									
1.8									
1.9									
2.0									
2.1									
2.2									
2.3									
2.4									
2.5									
2.6									
2.7									
2.8									
2.9									
3.0									
3.1									
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7.9									

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Laboratory Analyses Completed for this profile