

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1876 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	08/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7830824 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	293798 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Ferrosol	Principal Profile Form:	Gn4.22
ASC Confidence:	Great Soil Group:	Euchrozem

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, 0.51-1m, Sparse. *Species includes - Themeda triandra
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Brachychiton

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, ,

Profile Morphology

A11	0 - 0.09 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Heavy); Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.09 - 0.25 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Very firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Basalt, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
BC	0.25 - 0.6 m	Strong brown (7.5YR4/6-Moist); ; Light clay (Heavy); Massive grade of structure; Earthy fabric; Firm consistence; 50-90%, medium gravelly, 6-20mm, subrounded, Basalt, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.5); Gradual change to -
BC	0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; 50-90%, coarse gravelly, 20-60mm, subrounded, Basalt, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.9);

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