

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1869 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	06/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7842674 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	269510 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	%	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.1
ASC Confidence:		Great Soil Group:	Black earth

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, 0.26-0.5m, Sparse. *Species includes - None recorded
 Mid Strata - , , . *Species includes - None recorded
 Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, subrounded, Basalt

Profile Morphology

A11	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
A12	0.03 - 0.21 m	Very dark grey (7.5YR3/0-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Gradual change to -
B21	0.21 - 0.6 m	Black (7.5YR2/0-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Lenticular; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 10-20%, coarse gravelly, 20-60mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -
BC	0.6 - 0.8 m	Very dark grey (7.5YR3/0-Moist); Substrate influence, 10YR44; Substrate influence; Medium heavy clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.7);
C	0.8 - 0.9 m	; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 9 (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	CS	Size FS	Analysis 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	15 Bar				
m					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile