

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1652 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	27/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7824194 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	336903 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	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 Gravelly Medium fine	Principal Profile Form:	Ug5.1
Very fine Moderately deep	Great Soil Group:	Black earth
ASC Confidence:		
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Cyperus species, Bothriochloa decipiens Mid Strata - Tree, 1.01-3m, Isolated clumps. *Species includes - Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana

Surface Coarse Fragments: 10-20%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A11	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Light clay (Heavy); Strong grade of structure, 2-5 mm, Cast; Smooth-ped fabric; Dry; Very few (0 - 2 %), , , , , Calcareous, , , , Gypseous, , ; Clear change to -
A3	0.03 - 0.37 m	Very dark grey (10YR3/1-Moist); ; Light medium clay; Weak grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Dry; Very many (50 - 100 %), , , , , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Field pH 6.5 (Raupach, 0.2); Gradual change to -
B21	0.37 - 0.5 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Many cutans, >50% of ped faces or walls coated, prominent; Many (20 - 50 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.45); Gradual change to -
B22	0.5 - 0.85 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Many cutans, >50% of ped faces or walls coated, prominent; Many (20 - 50 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.75); Gradual change to -
BC	0.85 - 0.95 m	; Smooth-ped fabric; Moderately moist; Common cutans, 10-50% of ped faces or walls coated, prominent; Few (2 - 10 %), , , , , Calcareous, , , , Gypseous, , ; Field pH 8.5 (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	Acidity					%
						Cmol (+)/kg						

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

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