

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1661 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	29/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7840629 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	313746 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	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
Endocalcareous Self-Mulching Black Vertosol Non-gravelly	Principal Profile Form:	Ug5.1
Medium fine 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 - Ophiurus exaltatus, Cyperus species, Bothriochloa species
Mid Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - Eucalyptus erythrophloia

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 0.02); Clear change to -
B1	0.03 - 0.25 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 0.2); Gradual change to -
B21	0.25 - 0.6 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, dispersed, Basalt, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; ; Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 0.5); Gradual change to -
BC	0.6 - 0.75 m	; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Very firm consistence; ; Calcareous, , , ; Gypseous, , ; Gradual change to -
C	0.75 - 0.95 m	; ; Calcareous, , , ; Gypseous, , ; Field pH 9.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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