

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1655 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	28/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7833622 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	320262 Datum: AGD66	Drainage:	Poorly 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 plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Endocalcareous Self-Mulching Black Vertosol Medium Fine Very fine	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Ug5.12
		Great Soil Group:	Black earth

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Ophiurus exaltatus, Eulalia aurea
 Mid Strata - , , . *Species includes - None recorded
 Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: 2-10%, stony, 200-600mm, subrounded, Basalt

Profile Morphology

A1	0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Very coarse, (20 - 50) mm crack; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.05); Clear change to -
B1	0.05 - 0.3 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Coarse, (10 - 20) mm crack; Moderately moist; Strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.25); Gradual change to -
B2	0.3 - 0.9 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 10-20 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.9); Gradual change to -
B22	0.9 - 1 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 10-20 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , , Field pH 9 (Raupach, 1); Gradual change to -
C	1 - 1.2 m	; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 1.2);

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