

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 679 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	19/07/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7790681 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	409909 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	3 %	Aspect:	240 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Hypercalcic Mottled-Subnatric Yellow Sodosol Medium Non-gravelly Sandy Clayey Deep	Principal Profile Form:	Dy3.43
ASC Confidence:	Great Soil Group:	Solodic soil

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 - Aristida species, Chloris species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus shirleyi, Acacia shirleyi, Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.01 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Abrupt, Smooth change to
A21	0.01 - 0.13 m	Light yellowish brown (10YR6/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.8 (Raupach, 0.05); Clear, Smooth change to -
A22j	0.13 - 0.15 m	Light yellowish brown (10YR6/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Abrupt, Smooth change to
B21	0.15 - 0.58 m	Light red (2.5YR6/8-Moist); Mottles, 10YR63, 20-50% , 30-mm, Prominent; Mottles, 20-50% ; Medium clay; Strong grade of structure, 50-100 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.3); Diffuse, Smooth change to -
B22	0.58 - 0.9 m	Pale brown (10YR6/3-Moist); Mottles, 2.5YR68, 20-50% , 30-mm, Prominent; Mottles, 10R48, 20-50% ; Medium clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9.5 (Raupach, 0.6); Field pH 9.5 (Raupach, 0.9); Clear, Smooth change to -
B23k	0.9 - 0.92 m	Light brownish grey (10YR6/2-Moist); Mottles, 10R48, 20-50% , 30-mm, Prominent; Mottles, 20-50% ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Very strong consistence; Few (2 - 10 %), Manganiferous, , Soft segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , , ; Clear, Smooth change to -
B3	0.92 - 1.1 m	Light brownish grey (10YR6/2-Moist); Mottles, 10R48, 20-50% , 30-mm, Prominent; Mottles, 20-50% ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9.5 (Raupach, 1.1); Smooth change to -

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	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	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