

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2134 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	18/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7878032 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	330338 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, No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Yellow Sodosol Thick Non-gravelly Sandy Clayey Deep	Principal Profile Form:	Dy3.23
ASC Confidence:	Great Soil Group:	No suitable group
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 - Heteropogon contortus, Chrysopogon fallax
Mid Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - Eucalyptus platyphylla
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus platyphylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Gradual change to -
A21	0.1 - 0.25 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
A22	0.25 - 0.35 m	Light yellowish brown (10YR6/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.3); Clear change to -
B1	0.35 - 0.7 m	Brownish yellow (10YR6/8-Moist); Mottles, 10YR64, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), , , ; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, ; ; Soil matrix is Slightly calcareous; Field pH 7 (Raupach, 0.5);
B21	0.7 - 1 m	Yellow (10YR7/8-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), , , ; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, ; ; Soil matrix is Slightly calcareous; Field pH 9 (Raupach, 0.8);

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	Size CS	Analysis FS	Silt	Clay
m	%	%	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