

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 243 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte
Date Desc.: 07/06/91
Map Ref.: Sheet No. : 8257 GPS
Northing/Long.: 7751505 AMG zone: 55
Easting/Lat.: 495940 Datum: AGD66
Locality:
Elevation: 260 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

Exposure Type: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Existing vertical exposure, Granodiorite

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: 270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Eutrophic Red Chromosol Medium Non-gravelly Sandy
Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dy3.22
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Yellow podzolic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa pertusa, Chrysopogon fallax, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus

erythrophloia

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Very weak consistence; , Calcareous, , , ; Gypseous, , ; Common, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.1 - 0.25 m	Reddish brown (5YR4/3-Moist); ; Sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , , ; Gypseous, , ; Common, fine (1-2mm) roots; Abrupt, Smooth change to -
B21	0.25 - 0.8 m	Yellowish red (5YR5/8-Moist); Mottles, 10YR6/3, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , ; Gypseous, , ; Few, fine (1-2mm) roots; Clear, Smooth change to -
C	0.8 - 0.9 m	; , Calcareous, , , ; Gypseous, , ;

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			

0 - 0.1	5.8A
0.25 - 0.8	6.9A
0.8 - 0.9	7.6A

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

0 - 0.1
0.25 - 0.8
0.8 - 0.9

[illegible]

0 - 0.1
0.25 - 0.8
0.8 - 0.9

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension