

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 605 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 24/05/91	Elevation: No Data
Map Ref.: Sheet No. : 8158-4 GPS	Rainfall: No Data
Northing/Long.: 7842683 AMG zone: 55	Runoff: No Data
Easting/Lat.: 421272 Datum: AGD66	Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%	Pattern Type: Hills
Morph. Type: Mid-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: 4 %	Aspect: 230 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Kandosol Thick Non-gravelly Sandy Clay-loamy Very deep	Principal Profile Form: Gn2.25
ASC Confidence:	Great Soil Group: Earthy sand

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 1.01-3m, Mid-dense. *Species includes - Phynchelytrum repens, Heteropogon contortus, Heteropogon triticeus Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus similis, Grevillea glauca

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear change to -
A12	0.07 - 0.3 m	Brown (10YR4/3-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 0.3); Common, fine (1-2mm) roots; Clear change to -
A2	0.3 - 0.85 m	Strong brown (7.5YR5/6-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 0.6); Few, fine (1-2mm) roots; Gradual change to -
AB	0.85 - 1.05 m	Yellowish red (5YR5/6-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 0.9); Few, very fine (0-1mm) roots; Gradual change to -
B2	1.05 - 1.9 m	Red (2.5YR5/8-Moist); ; Coarse sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; 50-90%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 1.5); Few, very fine (0-1mm) roots; Diffuse change to -
C	1.9 - 2.1 m	; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 2.1); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.07	6.3A								
0.07 - 0.3	8.4A								
0.3 - 0.85	8.7A								
0.85 - 1.05	7.5A								
1.05 - 1.9	6.9A								
1.9 - 2.1	7.1A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension