

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 214 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte	Locality:
Date Desc.: 11/04/91	Elevation: 300 metres
Map Ref.: Sheet No. : 8257 GPS	Rainfall: No Data
Northing/Long.: 7781500 AMG zone: 55	Runoff: No runoff
Easting/Lat.: 484693 Datum: AGD66	Drainage: Well drained

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: Level
Slope: 1 %	Aspect: 60 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Basic Paralithic Orthic Tenosol Medium Non-gravelly Sandy	Principal Profile Form: Uc4.21
Sandy Very deep	
ASC Confidence:	Great Soil Group: Siliceous sand
All necessary analytical data are available.	

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Elionurus citreus, Phynchelytrum repens, Eragrostis species Mid Strata - Tree, 1.01-3m, Isolated clumps. *Species includes - Petalostigma pubescens, Pandanus species

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus platyphylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.17 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Common, very fine (0-1mm) roots; Gradual, Smooth change to -
A21	0.17 - 0.48 m	Dark yellowish brown (10YR4/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.3); Common, very fine (0-1mm) roots; Gradual, Smooth change to -
A22	0.48 - 0.65 m	Brown (7.5YR5/4-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Loose consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B1	0.65 - 1.15 m	Reddish yellow (7.5YR6/6-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Loose consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5 (Raupach, 0.9); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	1.15 - 1.7 m	Reddish yellow (7.5YR6/8-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Loose consistence; 50-90%, medium gravelly, 6-20mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 1.2); 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 Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol	(+)/kg			%
0 - 0.17	6.3A									
0.17 - 0.48	6.4A									
0.48 - 0.65	6.4A									
0.65 - 1.15	6.3A									
1.15 - 1.7	6.1A		1.2J	0.4	0.1	0.2		1.7I		11.76

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension