

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 111 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	21/08/90	Elevation:	320 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7880412 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	369726 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:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	180 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Medium Non-gravelly Sandy	Principal Profile Form:	Uc5.11
Sandy Very deep	Great Soil Group:	Earthy sand

ASC Confidence:
All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - Heteropogon contortus, Chrysopogon fallax, Eragrostis species
terminalis Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Many, very fine (0-1mm) roots; Gradual, Smooth change to -
B2	0.2 - 0.8 m	Brown (7.5YR4/4-Moist); ; Sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.6); Many, very fine (0-1mm) roots; Clear, Smooth change to -
2B2	0.8 - 0.95 m	Brown (7.5YR4/4-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
3C	0.95 - 1.6 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 5 (Raupach, 1.2); Clear, Smooth change to -
4C	1.6 - 2.1 m	Strong brown (7.5YR5/6-Moist); ; Sand; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 5 (Raupach, 1.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
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