

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 437 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	14/10/91	Elevation:	271 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7707125 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	424548 Datum: AGD66	Drainage:	Imperfectly 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:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	90 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Brown Chromosol Thick Non-gravelly Loamy Clayey Deep		Principal Profile Form:	Db2.32
ASC Confidence:		Great Soil Group:	No suitable

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Chrysopogon fallax,
Aristida species Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus species, Melaleuca species

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Common (10 - 20 %), , , , , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
A2j	0.12 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Common (10 - 20 %), , , , , Calcareous, , , , Gypseous, , ;
A3	0.2 - 0.35 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Few (2 - 10 %), , , , , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3);
B21	0.35 - 0.65 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 7.5YR4/6, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6);
B22	0.65 - 1.1 m	; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.1);

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

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