

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 544 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	19/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7791016 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	410399 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mesotrophic Subnatric Yellow Sodosol Thick Non-gravelly Loamy Clayey Deep		Principal Profile Form:	Dy3.22
ASC Confidence:		Great Soil Group:	Solodic soil

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Eragrostis species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Acacia species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Light); Massive grade of structure; Earthy fabric; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.05);
A12	0.05 - 0.15 m	Brown (10YR5/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Weak consistence; , Calcareous, , , , Gypseous, , , ;
A2	0.15 - 0.35 m	Light yellowish brown (10YR6/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3);
B2	0.35 - 0.75 m	Yellow (10YR7/6-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Very firm consistence; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.6);
C	0.75 - 1.1 m	White (10YR8/2-Moist); Mottles, 10R46, 10-20% , 5-15mm, Prominent; Mottles, 2.5Y78, 10-20% ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Very firm consistence; , 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