

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 358 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	02/08/91	Elevation:	310 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7743700 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	409892 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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:	260 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Hypocalcic Mesonatric Black Sodosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dd1.33
ASC Confidence:	Great Soil Group:	Solodic soil

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Heteropogon contortus
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear, Smooth change to -
A12	0.12 - 0.22 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Clear, Smooth change to -
A2e	0.22 - 0.24 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam (Heavy); Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; , Abrupt, Smooth change to -
B1	0.24 - 0.48 m	Dark brown (7.5YR3/2-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear, Smooth change to -
B21	0.48 - 0.78 m	Dark brown (7.5YR3/2-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.6); Clear, Smooth change to -
B22	0.78 - 0.95 m	Strong brown (7.5YR5/6-Moist); Mottles, 7.5YR58, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Clay loam; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 9.9 (Raupach, 0.9);

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