

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 387 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	15/08/91	Elevation:	280 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7737198 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	400997 Datum: AGD66	Drainage:	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:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mesonatric Brown Sodosol Medium Non-gravelly	Principal Profile Form:	Dy2.33
Silty Clayey Moderately deep	Great Soil Group:	Solodic soil

ASC Confidence:

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Cenchrus ciliaris, Dichanthium sericeum
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A2	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Silty clay loam; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.05); Clear, Smooth change to -
A2e	0.08 - 0.2 m	Dark brown (10YR3/3-Moist); ; Silty medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Abrupt, Tongued change to -
B1	0.2 - 0.4 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , Gypseous, , ; Field pH 8 (Raupach, 0.3); Clear, Smooth change to -
B21	0.4 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , Gypseous, , ; Field pH 9.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol	Exchangeable Acidity (+)/kg	CEC	ECEC	ESP %
0 - 0.08	7A									
0.4 - 0.6	9.4A		7.4J	6.5	0.1	3.9		17.9I		21.79

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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