

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 192 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	03/04/91	Elevation:	260 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7787260 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	472135 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Granodiorite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	90 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Thin Gravelly Clayey Clayey Shallow		Principal Profile Form:	Uf6.31
ASC Confidence:		Great Soil Group:	No suitable group

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, Sparse. *Species includes - Bothriochloa pertusa, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Bursaria incana
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subrounded, Granodiorite

Profile Morphology

A1	0 - 0.02 m	Reddish brown (5YR4/4-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Weak consistence; , Calcareous, , , , Gypseous, , , ; Many, fine (1-2mm) roots; Clear, Smooth change to -
B21	0.02 - 0.21 m	Reddish brown (2.5YR4/4-Moist); Substrate influence, 5YR58, 2-10% , 0-5mm, Distinct; Substrate influence, 2-10% ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.05); Many, fine (1-2mm) roots; Gradual, Smooth change to -
C	0.21 - 0.65 m	; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.4);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg			%
0.02 - 0.21	7.1A		12.9J	3.9	0.1	0.2	14.2I		1.41
0.21 - 0.65	7.3A								

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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