

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 234 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	06/06/91	Elevation:	260 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7771504 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	481252 Datum: AGD66	Drainage:	Rapidly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	350 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Paralithic Orthic Tenosol Medium Gravelly Sandy Sandy Very shallow	Principal Profile Form:	Uc1.23
ASC Confidence:	Great Soil Group:	Lithosol

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, Very sparse. *Species includes - Bothriochloa pertusa, Heteropogon contortus,
Aristida species Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Petalostigma pubescens
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana,
Eucalyptus erythrophloia

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Adamellite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.1 - 0.25 m	Brown (10YR5/3-Moist); ; Coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; 50-90%, medium gravelly, 6-20mm, angular, dispersed, Adamellite, coarse fragments; , Calcareous, , , Gypseous, , ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
C	0.25 - 0.35 m	; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.3);

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 (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	7.9A									
0.25 - 0.35	7.4A		2.1J	0.5	0.1	0.1		5.3I		1.89

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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