

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 193 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	08/04/91	Elevation:	320 metres
Map Ref.:	Sheet No. : 8258 GPS	Rainfall:	No Data
Northing/Long.:	7796940 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	454767 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:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	240 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Paralitric Leptic Rudosol Slightly gravelly Sandy Very shallow		Principal Profile Form:	Uc1
ASC Confidence:		Great Soil Group:	Lithosol

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Phynchelytrum repens, Bothriochloa pertusa,
Heteropogon contortus Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Albizia basaltica
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi, Eucalyptus erythrophloia,

Eucalyptus

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

Profile Morphology

A1	0 - 0.15 m	Dark brown (7.5YR3/3-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Weak consistence; 50-90%, fine gravelly, 2-6mm, angular, dispersed, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Common, medium (2-5mm) roots; Clear, Smooth change to -
C	0.15 - 0.35 m	; , Calcareous, , ; , Gypseous, , ; Field pH 6 (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 - 0.15 0.15 - 0.35	6.2A 6A		4.1J	1.5	0.5	0.1		5.6I		1.79

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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