

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 206 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte	Locality:
Date Desc.: 10/04/91	Elevation: 250 metres
Map Ref.: Sheet No. : 8257 GPS	Rainfall: No Data
Northing/Long.: 7779336 AMG zone: 55	Runoff: Very slow
Easting/Lat.: 459893 Datum: AGD66	Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Mid-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Very gently sloped
Slope: 4 %	Aspect: 180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Sandy Loamy Very deep	Principal Profile Form: Gn2.15
ASC Confidence:	Great Soil Group: Red earth

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Heteropogon contortus, Bothriochloa pertusa, Chrysopogon fallax Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Dark brown (7.5YR3/3-Moist); ; Sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Many, very fine (0-1mm) roots; Clear, Smooth change to -
A12	0.03 - 0.28 m	Dark brown (7.5YR3/2-Moist); ; Sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
A2	0.28 - 0.55 m	Brown (7.5YR4/3-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B1	0.55 - 1.05 m	Yellowish red (5YR3/6-Moist); Mottles, 5YR48, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, subangular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9); Few, very fine (0-1mm) roots; Diffuse, Smooth change to -
B2	1.05 - 1.6 m	Dark reddish brown (2.5YR3/4-Moist); Mottles, 5YR48, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Coarse sandy loam (Heavy); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1.2); Field pH 6.5 (Raupach, 1.6); Few, coarse (>5mm) roots; Clear, Smooth change to -
C	1.6 - 1.8 m	; , Calcareous, , , , Gypseous, , ,

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