

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 505 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 09/04/91	Elevation: 300 metres
Map Ref.: Sheet No. : 8258 GPS	Rainfall: No Data
Northing/Long.: 7810783 AMG zone: 55	Runoff: Slow
Easting/Lat.: 450165 Datum: AGD66	Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Upper-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: 5 %	Aspect: 60 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form: Dr2.22
ASC Confidence: All necessary analytical data are available.	Great Soil Group: Non-calcic brown soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa pertusa,
Eragrostis species Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Loamy coarse sand; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.8 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.05 - 0.17 m	Dark brown (7.5YR3/4-Moist); ; Loamy coarse sand (Heavy); Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.17 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.3); Few, very fine (0-1mm) roots; Diffuse, Tongued
BC	0.5 - 0.75 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Moderately moist; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 7.5 (Raupach, 0.6); Clear, Irregular change to -
C	0.75 - 1 m	; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 8 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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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