

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 240 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte	Locality:
Date Desc.: 07/06/91	Elevation: 220 metres
Map Ref.: Sheet No. : 8257 GPS	Rainfall: No Data
Northing/Long.: 7751987 AMG zone: 55	Runoff: Very slow
Easting/Lat.: 486493 Datum: AGD66	Drainage: Imperfectly drained

Geology

ExposureType: No Data	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%	Pattern Type: Plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: Level
Slope: 0 %	Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Eutrophic Mottled-Subnatic Yellow Sodosol Thick Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form: Dy3.43
ASC Confidence:	Great Soil Group: Solodized solonetz
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, Very sparse. *Species includes - Chrysopogon fallax
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus platyphylla, Acacia bidwillii, Eucalyptus polycarpa

polycarpa

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus platyphylla, Eucalyptus polycarpa,

Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Gradual, Smooth change to -
A21j	0.12 - 0.38 m	Brown (10YR5/3-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3); Clear, Smooth change to -
A22e	0.38 - 0.52 m	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Abrupt, Smooth change to -
B1	0.52 - 0.65 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR21, 2-10% , 0-5mm, Faint; Mottles, 2-10% ; Coarse sandy light clay; Strong grade of structure, 20-50 mm, Columnar; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Concretions; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6); Clear, Smooth change to -
B21	0.65 - 0.9 m	Brownish yellow (10YR6/8-Moist); Mottles, 10YR63, 20-50% , 15-30mm, Distinct; Mottles, 20-50% ; Coarse sandy light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension