

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 721 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	13/08/91	Elevation:	290 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7806647 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	418174 Datum: AGD66	Drainage:	No Data

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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Calcic Red Chromosol Medium Non-gravelly Sandy Clayey Deep	Principal Profile Form:	Dr2.13

ASC Confidence:	Great Soil Group:
No analytical data are available but confidence is fair.	Non-calcic brown soil

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

Vegetation: Low Strata - Tussock grass, 1.01-3m, Mid-dense. *Species includes - Heteropogon contortus, Chrysopogon fallax,
Phynchelytrum repens Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Clear change to -
A2	0.03 - 0.15 m	Dark brown (7.5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.15 - 0.28 m	Reddish brown (2.5YR4/4-Moist); ; Clay loam, sandy; Massive grade of structure; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , ; Clear change to -
B21	0.28 - 0.55 m	Red (2.5YR4/8-Moist); ; Light medium clay; Moderate grade of structure; Moderately moist; Very firm consistence; Common (10 - 20 %), Manganiferous, , Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.55 - 1 m	Dark red (2.5YR3/6-Moist); Mottles, 2.5YR54, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium clay; Moderate grade of structure; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.9); Clear change to -
C	1 - 1.6 m	; Weak consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.2);

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

4A1 pH of 1:5 soil/water suspension