

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 685 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	30/07/91	Elevation:	340 metres
Map Ref.:	Sheet No. : 8258 GPS	Rainfall:	No Data
Northing/Long.:	7808942 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	448620 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, Granite

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:	Very gently sloped
Slope:	1 %	Aspect:	60 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Grey Sodosol Thick Non-gravelly Sandy Clayey Moderately deep		Principal Profile Form:	Dy5.82

ASC Confidence:

No analytical data are available but confidence is fair.

Great Soil Group:

Soloth

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Heteropogon contortus, Eragrostis species
Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus brownii, Planchonia
careya

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

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.08 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.08 - 0.12 m	Brown (10YR4/3-Moist); ; Coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Clear change to -
A21e	0.12 - 0.45 m	Yellowish brown (10YR5/4-Moist); ; Coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3); Abrupt change to -
A22	0.45 - 0.48 m	Very pale brown (10YR7/4-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Duripan, Moderately cemented, Continuous, Massive; Abrupt change to -
B21	0.48 - 0.55 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Coarse sandy light clay; Massive grade of structure; Earthy fabric; Moderately moist; Very strong consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Gradual change to -
C	0.55 - 0.7 m	; Very strong consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

[illegible][illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension