

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 597 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158-4 GPS	Rainfall:	No Data
Northing/Long.:	7826016 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	418756 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Gently inclined
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hypercalcic Mottled-Subnatric Yellow Sodosol Thick Non-gravelly Sandy Clayey Very deep		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Heteropogon contortus, Panicum species, Heteropogon triticeus
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach,
A12	0.05 - 0.15 m	Dark brown (10YR3/3-Moist); ; Fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ,
A2e	0.15 - 0.45 m	Brown (10YR4/3-Moist); ; Fine sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B21	0.45 - 0.7 m	Brown (10YR5/3-Moist); Substrate influence, 10YR68, 20-50% , 5-15mm, Distinct; Substrate influence, 2.5YR46, 20-50% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.8 (Raupach, 0.6);
B22c	0.7 - 1.2 m	Brown (10YR5/3-Moist); Substrate influence, 10YR68, 10-20% , 5-15mm, Distinct; Substrate influence, 2.5YR46, 10-20% ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ,
B23k	1.2 - 1.65 m	Brown (10YR5/3-Moist); Substrate influence, 10YR68, 10-20% , 5-15mm, Distinct; Substrate influence, 2.5YR46, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , , Field pH 9.5 (Raupach, 1.5);
B24	1.65 - 2.1 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , , Field pH 9.5 (Raupach, 1.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension