

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 549 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	20/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7800254 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	418905 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Terrace plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Yellow Chromosol Thick Non-gravelly Loamy Clayey Deep	Principal Profile Form:	Dy2.23
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 - Tussock grass, 0.51-1m, Closed or dense. *Species includes - Heteropogon contortus, Bothriochloa
brownii ewartiana, Bothriochloa decipiens Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus

Eucalyptus Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus brownii, Eucalyptus crebra,

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Dark yellowish brown (10YR3/4-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach,
A12	0.05 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ;
A2	0.15 - 0.45 m	Strong brown (7.5YR4/6-Moist); ; Clayey fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.3);
B21	0.45 - 1.1 m	Dark yellowish brown (10YR4/6-Moist); ; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.9);
B22k	1.1 - 1.4 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , ; Field pH 9.5 (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