

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 659 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	01/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8159-1 GPS	Rainfall:	No Data
Northing/Long.:	7878428 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	435785 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Plateau
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	340 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Yellow Dermosol Thick Non-gravelly Loamy Clayey Deep	Principal Profile Form:	Gn3.74
ASC Confidence:	Great Soil Group:	Xanthozem

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Syncarpia glomulifera

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.05); Abundant, medium (2-5mm) roots; Clear, Smooth change to -
A2	0.2 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 10YR63; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.25); Field pH 5.5 (Raupach, 0.3); Abundant, fine (1-2mm) roots; Clear, Wavy change to -
B1	0.3 - 0.6 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5 (Raupach, 0.6); Few, fine (1-2mm) roots; Gradual change to -
B2	0.6 - 1 m	Brownish yellow (10YR6/8-Moist); Substrate influence, 10YR76, 10-20% , 5-15mm, Distinct; Substrate influence, 2.5YR48, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Few, fine (1-2mm) roots; Gradual change to -
BC	1 - 1.3 m	Red (2.5YR5/8-Moist); Substrate influence, 10YR76, 10-20% , 5-15mm, Prominent; Substrate influence, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5 (Raupach, 1.2); Few, fine (1-2mm) roots;

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