

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2440 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/01/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7799926 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415274 Datum: AGD66	Drainage:	No Data

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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Brown Sodosol Thick Slightly gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dy3.22
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, 0.26-0.5m, Isolated plants. *Species includes - Aristida species, Bothriochloa ewartiana, Enneapogon species Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Eremophila mitchellii, Bursaria incana, Erythroxylon australe

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus persistens, Terminalia oblongata, Acacia cambagei

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.11 m	Dark brown (10YR3/3-Moist); ; Coarse sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Moderately moist; 10-20%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.11 - 0.26 m	Dark brown (10YR3/3-Moist); ; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
A2	0.26 - 0.37 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey coarse sand; Massive grade of structure; Earthy fabric; Dry; 50-90%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B21	0.37 - 0.55 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR44, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.45); Clear change to -
B22	0.55 - 0.65 m	Yellowish brown (10YR5/6-Moist); Mottles, 2.5Y46, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.65);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile