

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1450 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	01/10/92	Elevation:	338 metres
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7711360 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	389576 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	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:	Ridge	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cryptogam surface

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Calcic Subnatric Red Sodosol	Principal Profile Form:	Dr2.43
ASC Confidence:	Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?, Aristida species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra, Grevillea parallela, Flindersia

maculosa

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

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, rounded, Quartz

Profile Morphology

A1	0 - 0.04 m	Reddish brown (5YR4/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Field pH 6.5 (Raupach, 0.04); Abrupt change to -
A2e	0.04 - 0.05 m	Reddish brown (5YR5/4-Moist); ; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Abrupt change to -
B1	0.05 - 0.12 m	Yellowish red (5YR4/6-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.1); Clear change to -
B21	0.12 - 0.5 m	Brown (7.5YR5/3-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Soft segregations; , Gypseous, , ; Field pH 9.5 (Raupach, 0.4); Diffuse change to -
B22	0.5 - 1 m	Pinkish grey (7.5YR6/3-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 5.5 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension