

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2144 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Barry, Earl	Locality:
Date Desc.: 20/10/93	Elevation: No Data
Map Ref.: Sheet No. : 7959 GPS	Rainfall: No Data
Northing/Long.: 7888452 AMG zone: 55	Runoff: Very rapid
Easting/Lat.: 293848 Datum: AGD66	Drainage: No Data

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: Undulating low hills 30-90m 3-10%	Pattern Type: Low hills
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: 4 %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Mottled Eutrophic Red Dermosol	Principal Profile Form: Dr3.13
ASC Confidence:	Great Soil Group: No suitable group

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Isolated plants. *Species includes - Unknown species, Unknown species,
 Unknown species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus persistsens, Lysiphillum carronii, Grevillea striata

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

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, subangular, Jasper

Profile Morphology

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, subangular, Jasper, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.12 - 0.25 m	Brown (7.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Jasper, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B21	0.25 - 0.55 m	Dark red (2.5YR3/6-Moist); Mottles, 5YR4/6, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Clear change to -
B22	0.55 - 0.7 m	Brown (7.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.6); Gradual change to -
BC	0.7 - 0.9 m	; Dry; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m			g/g - m3/m3						mm/h	mm/h

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Laboratory Analyses Completed for this profile