

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1852 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	07/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7667441 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	412293 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	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:	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): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Melanic Petrocalcic Lithocalcic Calcarosol		Principal Profile Form:	Gc2.21
ASC Confidence:		Great Soil Group:	Solonized brown soil

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, Sparse. *Species includes - Cenchrus ciliaris, Unknown species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Lysiphillum carronii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.04 m	Very dark grey (10YR3/1-Moist); ; Clay loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 0.02); Sharp change to -
B21	0.04 - 0.2 m	Black (7.5YR2/0-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.2); Clear change to -
B3	0.2 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Light clay; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.4); Clear change to -
BC	0.45 - 0.95 m	Very pale brown (10YR7/3-Moist); Substrate influence, 10YR81, 20-50% , 15-30mm, Distinct; Substrate influence, 20-50% ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Weak consistence; Very many (50 - 100 %), Calcareous, Extremely coarse (> 60 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%
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Laboratory Analyses Completed for this profile