

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2150 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	02/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7674072 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	439672 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	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:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol		Principal Profile Form:	Db2.43
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 - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Sporobolus species, Digitaria species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 20-50%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.02 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0); Clear change to -
A2e	0.02 - 0.15 m	Greyish brown (10YR5/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.4 m	Brown (10YR4/3-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.35);
B22	0.4 - 0.6 m	Grey (10YR6/1-Moist); ; Sandy light medium clay; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.5);
B23	0.6 - 0.8 m	White (7.5YR8/0-Moist); ; Sandy light clay; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.7);
B3	0.8 - 1 m	Red (10R4/8-Moist); Mottles, 10YR81, 20-50% , 15-30mm, Prominent; Mottles, 20-50% ; Sandy light clay; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 8 (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			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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

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Laboratory Analyses Completed for this profile