

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1896 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7833384 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	248952 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Brown Sodosol		Principal Profile Form:	Db2.33
ASC Confidence:		Great Soil Group:	Solodized solonetz

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, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus normantonensis

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Sandstone

Profile Morphology

A11	0 - 0.13 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.05); Abrupt change to -
B21	0.13 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 10YR53, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Sandy light medium clay; Moderate grade of structure, 50-100 mm, Columnar; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2);
BC	0.3 - 0.6 m	; Dry; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 0.6);

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	CS	Size FS	Analysis 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