

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2268 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	25/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7864256 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	261666 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, Graywacke

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-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
Bleached Hypocalcic Brown Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Db1.43
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, 0.51-1m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus normantonensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.12 m	Dark brown (10YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.08); Abrupt change to -
A2e	0.12 - 0.2 m	Brown (10YR4/3-Moist); ; Sandy loam (Light); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Sharp change to -
B21	0.2 - 0.33 m	Olive brown (2.5Y4/4-Moist); ; Sandy medium clay; Moderate grade of structure, 50-100 mm, Columnar; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3); Gradual change to -
B22	0.33 - 0.95 m	Light olive brown (2.5Y5/6-Moist); ; Medium clay (Heavy); Moderate grade of structure, 50-100 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular tabular, Graywacke, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.6); Gradual change to -
C	0.95 - 1.45 m	Light olive brown (2.5Y5/4-Moist); ; Dry; Very strong consistence; 90-100%, medium gravelly, 6-20mm, angular tabular, Graywacke, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

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

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