

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2042 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	23/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8154 GPS	Rainfall:	No Data
Northing/Long.:	7618270 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	437951 Datum: AGD66	Drainage:	Moderately well 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:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Db3.33
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 - Hummock grass, 0.51-1m, Mid-dense. *Species includes - TRIODIA SPECIES ?
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Melaleuca species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus shirleyi, Eucalyptus normantonensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A2j	0.1 - 0.25 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Abrupt change to -
B21	0.25 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3);
2B21	0.3 - 0.4 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy light clay; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous;
2B22	0.4 - 0.7 m	Pinkish grey (7.5YR7/3-Moist); ; Sandy light clay; Dry; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 9.5 (Raupach, 0.45); Field pH 8.5 (Raupach, 0.7);

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