

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1186 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	15/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7791148 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	359564 Datum: AGD66	Drainage:	No Data

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:	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:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Reticulate Petroferric Yellow Kandosol Medium Non-gravelly	Principal Profile Form:	Gn2.85
Clay-loamy Clay-loamy Moderately deep		
ASC Confidence:	Great Soil Group:	Grey earth
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 - *Aristida* species, *Heteropogon contortus*,
Bothriochloa
pertusa Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - *Petalostigma pubescens*, *Acacia*
species, *Eucalyptus*

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - *Eucalyptus melanophloia*, *Eucalyptus setosa*

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.03);
A2	0.05 - 0.18 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.1);
B21	0.18 - 0.35 m	Light yellowish brown (2.5Y6/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3);
B22	0.35 - 0.75 m	Light yellowish brown (2.5Y6/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6);
B3	0.75 - 0.9 m	Greyish brown (2.5Y5/3-Moist); ; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.8);

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