

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2401 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	09/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7912986 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	363850 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Mesotrophic Brown Chromosol Thick Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Db2.12
ASC Confidence:	Great Soil Group:	Non-calcic brown soil

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa decipiens, Heteropogon contortus

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, fine sandy (Heavy); Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to -
A12	0.15 - 0.35 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Fine (1-2mm) macropores, Dry; 10-20%, cobbly, 60-200mm, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Gradual change to -
A13	0.35 - 0.45 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) macropores, Dry; 20-50%, coarse gravelly, 20-60mm, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Abrupt change to -
B2	0.45 - 0.7 m	Dark yellowish brown (10YR4/6-Moist); Mottles, 2.5YR4/6, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 10-20%, fine gravelly, 2-6mm, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.7);
R	0.7 - 0.75 m	Rock

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
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile