

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2109 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	05/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7857 GPS	Rainfall:	No Data
Northing/Long.:	7771464 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	279410 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

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

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Manganic Mesotrophic Brown Ferrosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.92
ASC Confidence:	Great Soil Group:	No suitable group

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Heteropogon contortus, Eulalia aurea
Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus orgadophylla
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus orgadophylla

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, rounded,

Profile Morphology

A	0 - 0.12 m	Very dark grey (10YR3/1-Moist); ; Clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Dry; Very weak consistence; Common (10 - 20 %), Manganiferous, , Nodules; , Calcareous, , , Gypseous, , , Field pH 6 (Raupach, 0.05);
B1c	0.12 - 0.4 m	Dark grey (10YR4/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Angular blocky; Dry; Weak consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , , Field pH 7 (Raupach, 0.2);
B2	0.4 - 1.2 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Dry; Weak consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , , Field pH 7 (Raupach, 1);

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