

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2284 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	02/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7854078 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	323502 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Terrace flat	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Snuffy Basic Stratic Rudosol Deep	Mapping Unit:	N/A
ASC Confidence:	No analytical data are available but confidence is fair.	Principal Profile Form:	N/A
		Great Soil Group:	Alluvial soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Dichanthium species
 Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus erythrophloia
 Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus tessellaris, Casuarina

cunninghamiana

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz

Profile Morphology

A	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Granular; Dry; 0-2%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.05); Abrupt change to -
D1	0.1 - 0.2 m	Dark brown (10YR3/3-Moist); ; Coarse sandy clay loam; Massive grade of structure; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.15); Abrupt change to -
D2	0.2 - 0.5 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.3); Abrupt change to -
D3	0.5 - 0.6 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Single grain grade of structure; Dry; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.55); Abrupt change to -
D4	0.6 - 0.7 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Single grain grade of structure; Dry; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , ; Soil matrix is Very highly calcareous; Field pH 8.5 (Raupach, 0.65); Abrupt change to -
	0.7 - 1.1 m	Dark brown (10YR3/3-Moist); ; Fine sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; , 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
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g -	m3/m3			mm/h

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Laboratory Analyses Completed for this profile