

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 388 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	15/08/91	Elevation:	280 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7737698 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	403404 Datum: AGD66	Drainage:	Imperfectly drained

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:	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 Eutrophic Brown Kandosol Medium Non-gravelly Silty Clay-loamy Shallow	Principal Profile Form:	Gn2.91
ASC Confidence:	Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Dichanthium sericeum
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Shrub, 0.51-1m, Sparse. *Species includes - Eucalyptus species, Grevillea species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Apj	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); Mottles, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Clear change to -
A12j	0.05 - 0.2 m	Brown (10YR5/3-Moist); Mottles, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Clear change to -
B21c	0.2 - 0.38 m	Yellowish brown (10YR5/4-Moist); Mottles, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3);

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

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Laboratory Analyses Completed for this profile