

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1420 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	17/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7747503 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	350604 Datum: AGD66	Drainage:	Moderately well drained

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 rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Gully	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
Mottled Eutrophic Brown Kandosol		Principal Profile Form:	Dy3.82
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
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, <0.25m, Very sparse. *Species includes - Bothriochloa species, Heteropogon contortus

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

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana, Eucalyptus

crebra

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, angular platy, Quartz

Profile Morphology

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.12 - 0.25 m	Brown (10YR5/3-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Diffuse change to -
B21	0.25 - 0.55 m	Light olive brown (2.5Y5/6-Moist); Mottles, 10YR56, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Light medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; 10-20%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4); Diffuse change to -
B22	0.55 - 0.8 m	Yellowish brown (10YR5/6-Moist); Mottles, 2.5YR46, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Light medium clay; Massive grade of structure; Earthy fabric; 10-20%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.7);
C	0.8 - 0.9 m	; 50-90%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ,

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