

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1765 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	23/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7660138 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	436961 Datum: AGD66	Drainage:	Poorly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Sandstone

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Yellow Dermosol Thin Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dy3.22
ASC Confidence:	Great Soil Group:	Yellow podzolic soil
Confidence level not specified		

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - Triodia mitchellii
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Bursaria incana, Melaleuca tamariscina
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi, Melaleuca tamariscina

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A2	0.08 - 0.25 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B21	0.25 - 0.47 m	Yellowish brown (10YR5/8-Moist); Mottles, 10R48, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Sandy light clay; Weak grade of structure, 20-50 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Gradual change to -
B22	0.47 - 0.6 m	Brownish yellow (10YR6/6-Moist); Mottles, 7.5R38, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Ironstone, coarse fragments; Common (10 - 20 %), Earthy, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5);
B3	0.6 - 1 m	Strong brown (7.5YR5/6-Moist); ; Light clay; Dry; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 1765 Observation ID: 1
Agency Name: QLD Department of Primary Industries

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

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 1765 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile