

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2318 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	12/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7934020 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	367853 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	90 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Mesotrophic Brown Dermosol Thick Non-gravelly Loamy Clayey Very deep	Principal Profile Form:	Gn3.74
ASC Confidence:	Great Soil Group:	Yellow 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, 0.26-0.5m, Mid-dense. *Species includes - Themeda triandra, Heteropogon triticeus,
 Xanthorrhoea johnsonii Mid Strata - Tussock grass, 3.01-6m, Sparse. *Species includes - Casuarina torulosa, Lophostemon suaveolens
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus acmenoides, Eucalyptus polycarpa, Lophostemon suaveolens

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Black (5Y2/1-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.05 - 0.3 m	Black (5Y2/2-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A2	0.3 - 0.45 m	Brown (10YR4/3-Moist); ; Coarse sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Clear change to -
B21	0.45 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Coarse sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.6); Gradual change to -
B22	0.7 - 1.3 m	Light brownish grey (10YR6/2-Moist); Substrate influence, 10R48, 10-20% , 5-15mm, Prominent; Substrate influence, 10-20% ; Coarse sandy medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 1.3);

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 mm/h

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Laboratory Analyses Completed for this profile