

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 554 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 21/06/91	Elevation: No Data
Map Ref.: Sheet No. : 8158 GPS	Rainfall: No Data
Northing/Long.: 7797984 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 421207 Datum: AGD66	Drainage: Poorly 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: Gently undulating rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Crest	Relief: No Data
Elem. Type: Hillcrest	Slope Category: Very gently sloped
Slope: 1 %	Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Eutrophic Subnatric Yellow Sodosol Thick Non-gravelly	Principal Profile Form: Dy3.23
Sandy Clayey Deep	
ASC Confidence:	Great Soil Group: Solodic 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, Very sparse. *Species includes - Chrysopogon fallax, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Planchonia careya

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Weak grade of structure, 10-20 mm, Subangular blocky; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05);
A2	0.05 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Loamy coarse sand; Massive grade of structure; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3);
B1	0.3 - 0.4 m	Yellowish brown (10YR5/8-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ,
B21	0.4 - 0.7 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR48, 0-2% , 5-15mm, Prominent; Mottles, 0-2% ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Moderately moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6);
B22	0.7 - 1 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR58, 0-2% , 5-15mm, Prominent; Mottles, 0-2% ; Medium heavy clay; Strong grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.05	5.6A								
0.05 - 0.3	6.1A								
0.4 - 0.7	5.8A								
0.7 - 1	7.5A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension