

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1124 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/05/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7802770 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	380759 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Supracalcic Subnatric Brown Sodosol Medium Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Dy3.23
ASC Confidence:	Great Soil Group:	Solodic soil

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eragrostis species, Aristida species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus papuana, Acacia salicina, Eucalyptus

crebra

Surface Coarse Fragments: 50-90%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A1	0 - 0.13 m	Light grey (10YR7/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 10-20%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to -
A2	0.13 - 0.28 m	Brown (7.5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; 10-20%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Abrupt change to -
B21	0.28 - 0.4 m	Light olive brown (2.5Y5/4-Moist); Mottles, 5YR4/6, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Weak grade of structure; Smooth-ped fabric; Moist; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.4); Gradual change to -
B22k	0.4 - 0.65 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Weak grade of structure; Smooth-ped fabric; Moderately moist; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , , Clear change to -
B23	0.65 - 0.75 m	; Sandy medium clay; Weak grade of structure; Smooth-ped fabric; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , , Field pH 9.5 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension