

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1111 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/05/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7811584 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	379568 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol Slightly gravelly Medium fine Very fine Moderately deep	Principal Profile Form:	Ug5.16
ASC Confidence:	Great Soil Group:	Black earth

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 - Bothriochloa species, Cyperus species,
Dichanthium species Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus papuana

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus papuana

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Basalt

Profile Morphology

A11	0 - 0.15 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Granular; Smooth-ped fabric; Moist; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.1); Clear change to -
B21	0.15 - 0.6 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.5); Clear change to -
B22k	0.6 - 0.9 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Strong grade of structure; Smooth-ped fabric; Dry; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 0.8);

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