

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 703 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	01/08/91	Elevation:	360 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7827356 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	448599 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Dolerite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	2 %	Aspect:	90 degrees

Surface Soil Condition (dry): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Crusty Black Vertosol Non-gravelly Medium fine Very fine Moderately deep	Principal Profile Form:	Gn3.43
ASC Confidence:	Great Soil Group:	Black earth

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, 0.51-1m, Closed or dense. *Species includes - Bothriochloa species, Heteropogon contortus,
Sporobolus species Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus papuana, Eucalyptus crebra,
Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Clay loam (Heavy); Massive grade of structure; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear, Smooth change to -
B21	0.05 - 0.12 m	Dark brown (10YR3/3-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Clear, Smooth change to -
B22	0.12 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3); Clear, Smooth change to -
B23	0.4 - 0.6 m	Brown (10YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.6); Sharp, Smooth change to -
C	0.6 - 0.7 m	; Moderately moist; , Calcareous, , , , Gypseous, , ,

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 Cmol (+)/kg	Acidity	%
0 - 0.05	6.1A							
0.12 - 0.4	6.5A							
0.4 - 0.6	7.2A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension