

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2348 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	27/10/94	Elevation:	No Data
Map Ref.:	Sheet No. : 7860 GPS	Rainfall:	No Data
Northing/Long.:	7945888 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	286752 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Lava plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	0.5 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Aquic Vertosol		Principal Profile Form:	Ug5.17
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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

Vegetation: Low Strata - Tussock grass, <0.25m, Closed or dense. *Species includes - Cynodon dactylon, Paspalum species

Mid Strata - , , . *Species includes - None recorded

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.2 m	Black (10YR2/0-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.1);
A12	0.2 - 0.45 m	Black (10YR2/0-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moist; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.3);
A/B	0.45 - 0.8 m	Black (10YR2/0-Moist); ; Silty light clay; Wet; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.6);
D	0.8 - 1 m	; Loam (Fibric); Wet; Very weak consistence; , 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 Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg		%
0 - 0.2	8.8A		32B	35	1.3	4.4		
0.2 - 0.45	8.6A							
0.45 - 0.8	7.7A							
0.8 - 1	7.4A							

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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
4A1	pH of 1:5 soil/water suspension