

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2367 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	27/10/94	Elevation:	No Data
Map Ref.:	Sheet No. : 7860 GPS	Rainfall:	No Data
Northing/Long.:	7922506 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	273516 Datum: AGD66	Drainage:	Imperfectly 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 plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Self-Mulching Black Vertosol Non-gravelly Medium fine Very fine Deep	Principal Profile Form:	Ug5.25
ASC Confidence:	Great Soil Group:	Grey clay
Confidence level not specified		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Isolated plants. *Species includes - Unknown species, Unknown species,
Unknown species Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Bursaria incana
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana,
Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Olive brown (2.5Y4/4-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , ; Gypseous, , , ; Field pH 7 (Raupach, 0.03); Clear change to -
B21	0.05 - 0.35 m	Dark greyish brown (2.5Y4/2-Moist); Mottles, 10YR34, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , ; Gypseous, , , ; Field pH 7 (Raupach, 0.2); Clear change to -
B22	0.35 - 0.7 m	Dark brown (10YR3/3-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , ; Gypseous, , , ; Field pH 7 (Raupach, 0.6); Gradual change to -
B23	0.7 - 1.2 m	Dark greyish brown (2.5Y4/2-Moist); Mottles, 10YR56, 0-2% , 0-5mm, Faint; Mottles, 0-2% ; Medium heavy clay; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , ; Gypseous, , , ; Field pH 7.5 (Raupach, 1.1);

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

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