

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1309 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	03/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8159 GPS	Rainfall:	No Data
Northing/Long.:	7896176 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	409149 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, No Data

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	18 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic-Mottled Mesotrophic Red Kandosol Thick Slightly gravelly Clayey Very deep		Principal Profile Form:	Gn2.11
ASC Confidence:		Great Soil Group:	Red earth

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Isolated plants. *Species includes - Imperata cylindrica
Mid Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Casuarina torulosa
Tall Strata - Tree, 20.01-35m, Sparse. *Species includes - Eucalyptus intermedia

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subangular, Igneous rock (unidentified)

Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Moderate grade of structure, <2 mm, Granular; Smooth-ped fabric; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.3 m	Dark brown (7.5YR3/3-Moist); ; Moderate grade of structure, <2 mm, Granular; Smooth-ped fabric; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B1	0.3 - 0.5 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, , Calcareous, , , ; Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Gradual change to -
B2	0.5 - 1.7 m	Red (2.5YR4/6-Moist); Mottles, 10YR56, 10-20% , Distinct; Mottles, 10-20% ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , ; Field pH 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