

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 92 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	08/08/90	Elevation:	235 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7714568 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	425931 Datum: AGD66	Drainage:	Well 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 rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	1.5 %	Aspect:	210 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Dystrophic Red Kandosol Thin Non-gravelly Sandy Clay-loamy Deep	Principal Profile Form:	Gn2.15
ASC Confidence:	Great Soil Group:	Red earth

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eriachne species, Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus melanophloia, Petalostigma pubescens,

Eucalyptus

papuana

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana,

Eucalyptus

polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.08 - 0.15 m	Brown (7.5YR5/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Many, fine (1-2mm) roots; Diffuse, Smooth change to -
B21	0.15 - 0.45 m	Yellowish red (5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.8 (Raupach, 0.3); Abundant, medium (2-5mm) roots; Diffuse, Smooth change to -
B22c	0.45 - 0.75 m	Yellowish red (5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.8 (Raupach, 0.6); Few, fine (1-2mm) roots; Diffuse, Smooth change to -
B23cg	0.75 - 1.2 m	Pink (7.5YR7/4-Moist); Mottles, 2.5YR3/6, 20-50% , 15-30mm, Prominent; Mottles, 20-50% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Firm consistence; Very many (50 - 100 %), Ferromanganiferous, Very coarse (20 - 60 mm), Nodules; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.8 (Raupach, 0.9); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 92 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	5.7A		0.86B	0.36	0.15	0.03				
0.15 - 0.45	5.3A		0.8J	0.3	0.1	0.2		2.6l		7.69
0.45 - 0.75	5.2A									
0.75 - 1.2	6.4A		0.54B	1.3	0.06	0.06				

[illegible][illegible]

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 92 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
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
15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension