

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 15 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	25/06/90	Elevation:	165 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7744864 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	491714 Datum: AGD66	Drainage:	Rapidly drained

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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Levee	Slope Category:	Level
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Thick Non-gravelly Sandy		Principal Profile Form:	Uc5.21
Sandy Very deep		Great Soil Group:	Earthy sand

ASC Confidence:
All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Eragrostis species, Chrysopogon fallax, Heteropogon contortus
Mid Strata - , , . *Species includes - Jatropha gossypifolia, Petalostigma pubescens, Eucalyptus erythrophloia
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra,
Planchonia
careya

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Brown (10YR4/3-Moist); ; Fine sand; Massive grade of structure; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Ferricrete; Field pH 5.8 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear, Smooth change to -
A12	0.08 - 0.32 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sand; Massive grade of structure; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Ferricrete; Field pH 6 (Raupach, 0.3); Few, very fine (0-1mm) roots; Diffuse, Smooth change to -
B21	0.32 - 1.35 m	Strong brown (7.5YR4/6-Moist); ; Fine sand; Massive grade of structure; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Ferricrete; Field pH 6.5 (Raupach, 0.7); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B3	1.35 - 2.05 m	Strong brown (7.5YR5/8-Moist); ; Loamy fine sand; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Ferricrete;

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:** 15 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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 - 0.08	6.6A		2.5B	1.1	0.31	0.04			
0.08 - 0.32	7.1A								
0.32 - 1.35	7.3A		3.1J	1.3	0.3	0		6.4I	0.00
1.35 - 2.05	8.4A								

[illegible][illegible]

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 15 **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 (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
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