

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1067 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/04/92	Elevation:	200 metres
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7677494 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	440531 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Submelanic Regolith Leptic Tenosol Medium Non-gravelly Clay-loamy Loamy Moderately deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Earthy sand

All necessary analytical data are available.

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

Vegetation: Low Strata - , , . *Species includes - Heteropogon contortus, Chloris species, Bothriochloa ewartiana
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia,

Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.12 - 0.25 m	Dark brown (7.5YR3/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
D	0.25 - 0.7 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.12	6.3A		4.6B	1.8	0.7	0.04				
0.12 - 0.25	6.6A									
0.25 - 0.7	6.6A		3.4B	1.2	0.19	0.07				

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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