

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 10 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	21/06/90	Elevation:	215 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7773726 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	465688 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 rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Levee	Slope Category:	Level
Slope:	1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Medium Non-gravelly Sandy Clay-loamy Very deep	Principal Profile Form:	Uc5.11
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, Aristida species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.18 m	Brown (10YR4/3-Moist); ; , 0-0% ; Sand; Massive grade of structure; Earthy fabric; Moderately moist; Loose consistence; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.18 - 0.7 m	Brown (7.5YR5/4-Moist); ; , 0-0% ; Sand; Massive grade of structure; Earthy fabric; Moderately moist; Loose consistence; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.3); Field pH 6.5 (Raupach, 0.7); Gradual, Smooth change to -
C	0.7 - 0.85 m	; , 0-0% ; Sand; Massive grade of structure; Earthy fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , Abrupt, Smooth change to -
2Bb	0.85 - 1.45 m	; , 0-0% ; Clayey coarse sand; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 1.2); Clear, Smooth change to -
3Bb	1.45 - 2 m	; , 0-0% ; Clay loam, sandy; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 1.8);

Morphological Notes

Observation Notes

Site Notes

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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 - 0.18	7.7A		3.4B	0.93	0.45	0.03				
0.18 - 0.7	8.2A		2J	0.7	0.4	0		4.9I		0.00
0.7 - 0.85			1.5B	0.86	0.11	0.07				
0.85 - 1.45	8.1A									
1.45 - 2	8.8A		7.1B	9.4	0.44	6.9				

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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
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