Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **125** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M. DeCorte
Date Desc.: 03/09/90
Map Ref.: Sheet No. : 7957 GPS
Northing/Long.: 7780250 AMG zone: 55
Easting/Lat.: 340823 Datum: AGD66
Locality:
Elevation: 450 metres
Rainfall: No Data
Runoff: No runoff
Drainage: Rapidly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 2 %
Pattern Type: Plain
Relief: No Data
Slope Category: Level
Aspect: 300 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:
Basic Petroferric Bleached-Leptic Tenosol Medium Non-gravelly Sandy Sandy Deep
Mapping Unit: N/A
Principal Profile Form: Uc2.34
ASC Confidence:
All necessary analytical data are available.
Great Soil Group: Siliceous sand

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

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - Chrysopogon fallax, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Melaleuca nervosa, Petalostigma pubescens

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus polycarpa, Melaleuca nervosa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Coarse sand; Single grain grade of structure; Smooth-ped fabric; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
A2c	0.1 - 1 m	Pale brown (10YR6/3-Moist); ; Coarse sand; Single grain grade of structure; Smooth-ped fabric; Dry; Loose consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Field pH 6.5 (Raupach, 1); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
Dm	1 - 1.1 m	; , Calcareous, , ; , Gypseous, , ; Silcrete, Strongly cemented, Continuous, Massive;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	6.4A		1.3B	0.3	0.08	0.02				
0.1 - 1	6.3A		0.36B	0.18	0.03	0.04		0.2I		20.00
			0.4J	0.3	0.1	0.1				50.00
1 -	6.5A									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.1 - 1												
1 -												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.1									
0.1 - 1									
1 -									

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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