Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1851** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Barry, Earl	**Locality:**	
Date Desc.:	07/07/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8155 GPS	**Rainfall:**	No Data
Northing/Long.:	7667997 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	412810 Datum: AGD66	**Drainage:**	Imperfectly 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:	Level plain <9m <1%	**Pattern Type:**	Plain
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:
Gypsic Self-Mulching Grey Vertosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Mapping Unit: N/A
Principal Profile Form: Ug5.2
Great Soil Group: Grey clay

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Unknown species, Unknown species, Unknown species Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus coolibah

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Dark grey (7.5YR4/0-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 8 (Raupach, 0.05); Abrupt change to -
A12	0.08 - 0.35 m	Very dark grey (7.5YR3/0-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Clear change to -
B21	0.35 - 0.8 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.7); Gradual change to -
B22	0.8 - 1.5 m	Dark grey (10YR4/1-Moist); Mottles, 10YR52, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Common (10 - 20 %), Gypseous, Extremely coarse (> 60 mm), Crystals; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.4); Gradual change to -
B23	1.5 - 1.8 m	Pale brown (10YR6/3-Moist); Mottles, 10YR73; Mottles; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Very few (0 - 2 %), Gypseous, Extremely coarse (> 60 mm), Crystals; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.7); Gradual change to -
B24	1.8 - 2.1 m	; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 2);

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							%

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

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

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Laboratory Analyses Completed for this profile