Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2361** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 26/10/94
Map Ref.: Sheet No. : 7960 GPS
Northing/Long.: 7920986 AMG zone: 55
Easting/Lat.: 293360 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: Imperfectly 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: Undulating rises 9-30m 3-10%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 5 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Eutrophic Red Chromosol Medium Gravelly Loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dr2.13

ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Red podzolic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Bothriochloa species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus brownii, Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Acacia shirleyi, Eucalyptus normantonensis

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.05 m	Brown (7.5YR4/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.2 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; 10-20%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.4 m	Red (2.5YR5/8-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.55 m	Red (2.5YR5/8-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Sandy (grains prominent) fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.5); Clear change to -
BC	0.55 - 0.7 m	Brown (7.5YR5/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; 10-20%, fine gravelly, 2-6mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 2361 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	5.4A		0.61B	1	0.15	0.31				
0.05 - 0.2	5.4A									
0.2 - 0.4	5.5A									
0.4 - 0.55	6.6A									
0.55 - 0.7	9.3A									

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 - 0.05												
0.05 - 0.2												
0.2 - 0.4												
0.4 - 0.55												
0.55 - 0.7												

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 - 0.05									
0.05 - 0.2									
0.2 - 0.4									
0.4 - 0.55									
0.55 - 0.7									

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2361** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile

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
4A1	pH of 1:5 soil/water suspension