Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD

Project Code: DLR Site ID: 1313 Observation ID: 1

Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary Locality:

Date Desc.: 03/08/92 Elevation: No Data Map Ref.: Sheet No.: 8160 GPS Rainfall: No Data 7906741 AMG zone: 55 Northing/Long.: Runoff: Rapid 401988 Datum: AGD66 Well drained Easting/Lat.: Drainage:

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: Existing vertical exposure, Metamorphic

rock (unidentified)

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10Morph. Type: Mid-slope Relief: Low hills
Relief: No Data

Elem. Type: Hillslope Slope Category: Moderately inclined

Slope: 20 % Aspect: No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AHaplic Eutrophic Red Dermosol Medium Loamy Clayey DeepPrincipal Profile Form:Dr2.11

ASC Confidence: Great Soil Group: Non-calcic brown

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Imperata cylindrica, Sporobolus species

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 20.01-35m, Sparse. *Species includes - Eucalyptus intermedia, Eucalyptus grandis

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, angular, Metamorphic rock (unidentified)

Profile Morphology

A11 0 - 0.1 m Very dark grey (10YR3/1-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; A12 0.1 - 0.25 m Earthy fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -B21 0.25 - 1.3 m Red (2.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 1); Clear change to -B22 1.3 - 1.45 m Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 0-2%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 1.4);

Morphological Notes
Observation Notes

Site Notes

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Laboratory Test Results:

1000110										
pН	1:5 EC			Cations K	Exchangeable Na Acidity Cmol (+)/kg		CEC	CEC		ESP
	dS/m		J							%
5.8A										
-										
6.1A										
CaCO3	Organic	Avail.	Total	Total	Total	Bulk				Analysis
%	%	mg/kg	%	%	%	Mg/m3	GV	CS	гз %	Silt Clay
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			
								mm/h		mm/h
	5.8A 6.1A 6.1A CaCO3 %	pH 1:5 EC dS/m 5.8A 6.1A 6.1A CaCO3 Organic C %	pH 1:5 EC Exc Ca dS/m 5.8A 6.1A 6.1A CaCO3 Organic Avail. C P mg/kg COLE Grav	PH 1:5 EC Ca My Ca My Ca My Ca My Ca My Ca Ca My Ca Ca My Ca	pH 1:5 EC dS/m Exchangeable Cations Mg K 5.8A 6.1A 6.1A 6.1A K 6.1A 6.1A Total Total CaCO3 Organic C P P P N mg/kg N % % %	pH 1:5 EC Exchangeable Cations Exchangeable Cations Ca Mg K Na Cmol (+)// 5.8A 6.1A 6.1A CaCO3 Organic Avail. Total Total Total C P P N K mg/kg % % % COLE Gravimetric/Volumetric Water Conte	pH 1:5 EC ds/m Exchangeable Cations K Na Acidity Cmol (+)/kg Exchangeable Na Acidity Cmol (+)/kg 5.8A 6.1A 6.1A 6.1A CaCO3 Organic C P P N K Density Mg/m3 CaCO4 Mg Mg/m3 CaCO3 Mg/m3 Organic Mg/m3 Avail. Total Total Total Mg/m3 Total Mg/m3 Mg/m3	pH 1:5 EC Exchangeable Cations Exchangeable CEC Ca Mg K Na Acidity Cmol (+)/kg 5.8A 6.1A 6.1A 6.1A 6.1A 6.1A 6.1A Wall Total Total Total Bulk Parameter CaCO3 Organic Avail Total Total Total Bulk Parameter % % % % Mg/m3 GV COLE COLE Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	PH 1:5 EC Exchangeable Cations Exchangeable CEC Ca Mg K Na Acidity Sat. Organic Avail. Total Total Total Bulk Particle CaCO3 Organic Avail. Total Total Total Bulk Particle C P P N K Density GV CS COLE Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	pH 1:5 EC Exchangeable Cations Exchangeable CEC ECEC Ca Mg K Na Actidity CEC ECEC ECEC CEC ECEC C

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension