Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:T525Observation ID:1Agency Name:QLD Department of Primary Industries

Site	Infor	mation	

Site In	formatior	<u>1</u>						
Desc. E	•	M.G. Cannon	Locality:					
Date De		10/12/91		Elevation: 230 metres				
Map Re		Sheet No. : 8257 GPS	Rainfall:		No Data			
Easting		7759192 AMG zone: 55 469684 Datum: AGD66	Runoff: Drainage:		Slow Imperfect		ad a set	
•	•	409004 Dalum. AGD00	Drainage.		imperieci	liy uraine	eu	
<u>Geolo</u>		No Dete					-	
Geol. R	ireType:	No Data	Conf. Sub.			No Dat		
		O-Dr	Substrate	wateriai	:	Undist	urbed soil core, 0.7 m deep,Granite	
Land F								
Rel/Slo	pe Class:	Undulating low hills 30-90m 3- 10%	Pattern Ty	pe:	Low hills			
Morph.		Upper-slope	Relief:		No Data			
Elem. 1	ype:	Hillslope	Slope Cate	egory:	Gently in			
Slope:		5 %	Aspect:		300 degr	ees		
<u>Surfac</u>	e Soil Co	ndition (dry): Soft						
Erosio	n: 2 m2	m;2 m,10 m;						
	assificati							
							N1/A	
		assification:			ng Unit:	_	N/A	
		Brown Chromosol Thick Moderatel	y gravelly	Princip	oal Profile	Form:	Db3.63	
		derately deep					NI 101	
	onfidence			Great	Soil Group):	No suitable	
		lytical data are available.						
		e: No effective disturbance other	than grazing	by hoofe	d animals			
Vegeta	ation:	Low Strata - Tussock grass, 0.	.26-0.5m, Spa	arse. *Sp	ecies inclu	ides - Bo	othriochloa pertusa, Heteropogon	
contortus	i,							
		Aristida species Mid Strata - ,	, . *Species in	ncludes -	None reco	orded		
<u>Surfac</u>	e Coarse	Tall Strata - Tree, 6.01-12m, S Fragments: 20-50%, fine grave				lyptus cr	rebra, Eucalyptus erythrophloia	
Profile	Morphol	<u>oqy</u>						
A11	0 - 0.06 n	Dry; Weak consistence; , C	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear, Wavy change to -					
A12	0.06 - 0.1	Earthy fabric; Dry; Weak c	Dark greyish brown (10YR4/2-Moist); ; Coarse sandy loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.1); Few, very fine (0-1mm) roots; Gradual, Wavy change to -					
A2	0.16 - 0.3	16 - 0.33 m Yellowish brown (10YR5/4-Moist); ; Coarse sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.2); Few, very fine (0-1mm) roots; Clear, Wavy change to -						
B2	B2 0.33 - 0.46 m Brown (7.5YR4/4-Moist); ; Medium clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.4); Few, coarse (>5mm) roots; Diffuse, Wavy change to -							
BC	0.46 - 0.6	blocky; Earthy fabric; Dry;	blocky; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6); Clear,					
BC	0.66 - 0.7	fragments; Very many (50	; Earthy fabric; Dry; 50-90%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; Very many (50 - 100 %), Calcareous, Extremely coarse (> 60 mm), Concretions; , Gypseous, , ; Calcrete, Moderately cemented, Continuous, Platy; Field pH 9.5 (Raupach, 0.7); Clear, Wavy change to -					
С	0.77 - 1 n		; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.9);					
<u>Morph</u>	ological I	Notes						

Observation Notes

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DLR1031 Site Notes

Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD DLR Site ID: T525 Observation ID: 1 Project Name: Project Code: Agency Name: DLR Site ID: T525 QLD Department of Primary Industries

Laboratory Test Results:

Depth	рН	1:5 EC		nangeable		Na		nangeable	CEC		ECEC		ESP
m		dS/m	Ca I	Иg	к	Na Cmol	4 (+)/kg	Acidity					%
0 - 0.06	6.52A	0.04A	3.9B 3.98J	1.3 0.97	0.76 0.49	0.24 0.02			61				4.00 0.33
0.06 - 0.16 0.16 - 0.33	6.63A 6.6A	0.03A 0.03A	3.56J	1.03	0.37	0.02			5.91				0.34
0.33 - 0.46	7.47A	0.03A	11.4J	3.47	0.11	0.02			13.2[15.9				0.15 0.13
0.46 - 0.66 0.66 - 0.77	8.31A 8.79A	0.07A 0.09A	19B	4.4	0.5	0.24							
0.77 - 1	9.07A	0.05A	11.3J	1.17	0.11	0.02			9.91				0.20
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	To K		Bulk Density	Pa GV	rticle CS	Size FS	Analysi Silt	s Clay
m	%	%	mg/kg	%	%	%		Mg/m3		00	%	oin	Olay
0 - 0.06 0.06 - 0.16 0.16 - 0.33		0.8B 0.5B		0.03A	0.0	2A 2.	16A			54A 56A	28 26	9 10	9 8
0.33 - 0.46										45A	20	11	23

0.33 - 0.46 0.46 - 0.66 0.66 - 0.77 0.77 - 1

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m3	1 Bar 3	5 Bar	15 Bar	mm/h	mm/h

71A 11 9

9

0 - 0.06 0.06 - 0.16 0.06 - 0.16 0.16 - 0.33 0.33 - 0.46 0.46 - 0.66 0.66 - 0.77 0.77 - 1

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Laboratory Analyses Completed for this profile

10A1 10B 12A1_CU 12A1_FE 12A1_MN 12A1_ZN	Total sulfur - X-ray fluorescence Extractable sulfur(mg/kg) - Phosphate extractable sulfur DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron DTPA - extractable copper, zinc, manganese and iron
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K 15A2_MG 15A2_NA 15D2_CEC 15F1_CA 15F1_K 15F1_MG 15F1_NA 15F3 15N1 17A1 3A1 4A1 6B2 7A2	
9A1	Total phosphorus - X-ray fluorescence
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS P10_CF_Z	Fine sand (%) - Coventry and Fett pipette method Silt (%) - Coventry and Fett pipette method