Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1601Observation ID:1Agency Name:QLD Department of Primary Industries

U		•									
<u>Site Ir</u> Desc.	nformation		Locality								
Desc. Date D		Rogers, Gary 01/01/93	Locality: Elevation:		No Data						
Map R		Sheet No. : 8059 GPS	Rainfall:		No Data						
	ng/Long.:	7888792 AMG zone: 55	Runoff:		Moderately rapid						
	g/Lat.:	381273 Datum: AGD66	Drainage:		Moderate		ained				
Geolo	av		Ŭ			,					
	sureType:	No Data	Conf. Sub.	is Pare	nt. Mat.:	No Data	a				
Geol. I		No Data	Substrate I			No Data					
Land	Form										
	ope Class:	Undulating hills 90-300m 3-	Pattern Ty	pe:	Hills						
	. Type:	Lower-slope	Relief:		No Data						
Elem.		Hillslope	Slope Cate	egory:	Very gen	tly sloped	Ł				
Slope:	:	4 %	Aspect:		No Data						
Surfa	<u>ce Soil Co</u>	ndition (dry): Hardsetting									
Erosi	on:										
	lassificati	on									
		assification:		Mannii	ng Unit:		N/A				
		ed Chromosol Medium Gravelly (bal Profile	Form	Dr2.12				
	y Moderatel	J	Jiay-IOamy	FILLON		Form.	DI2.12				
	Confidence	, i	Great Soil Group:				Non-calcic brown				
		lytical data are available.					soil				
	,	e: No effective disturbance other	r than grazing b	ov hoofe	d animals						
	ation:					udes - Bo	othriochloa species, Heteropogor				
contortu											
		Mid Strata - Tree, 3.01-6m, S	parse. *Specie	s include	es - Eucaly	ptus eryt	hrophloia				
		Tall Strata - Tree, 6.01-12m,	Sparse. *Speci	es inclu	des - Euca	lyptus ery	ythrophloia, Eucalyptus crebra				
Surfa	ce Coarse	Fragments: 10-20%, coarse g	gravelly, 20-60r	nm, ang	ular tabula	r, Siltstor	າຍ				
Profil	e Morphol	ogy									
A11	0 - 0.04 n		nist): · Sandy cl	av loam	(Heavy). /	Neak ara	de of structure 5-10 mm				
/	0 0.041	Platy; Weak grade of strue									
		medium gravelly, 6-20mm									
		Gypseous, , ; Field pH 6 (Raupach, 0.04); Comm	non, fine (1	-2mm) ro	oots; Abrupt change to -				
A12	0.04 - 0.2	m Dark brown (7 5YR3/4-M	oist): · Clay loar	m sandı	/· Moderat	e arade o	of structure 10-20 mm				
712	0.04 0.2		Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores,								
							20mm, subangular, Substrate				
		material, coarse fragmer									
			s, , ; Field pH 6	5.5 (Rau	pach, 0.15); Commo	on, medium (2-5mm) roots;				
		Clear change to -									
B2	0.2 - 0.4 ı	m Red (2.5YR4/5-Moist); ; L	iaht medium cl	av (Heav	vv). Strong	arade of	structure 10-20 mm				
DZ	0.2 0.41	Subangular blocky; Smoo									
		macropores, Moist; Firm of	consistence; Ve	ery few (0 - 2 %), N	langanife	erous, Fine (0 - 2 mm),				
		Nodules; , Calcareous, , ;	, Gypseous, , ;	Field pl	H 6 (Raupa	ach, 0.3);	Common, fine (1-2mm)				
		roots; Gradual change to	-								
B3	0.4 - 0.7 ı	m Red (2.5YR4/5-Moist); ; L	ight medium cl	av: Strop	o abero o	fstructur	e 20-50 mm Subangular				
05	0.4 - 0.7 1						Smooth-ped fabric; Few (<1				
					•		onsistence; 50-90%, medium				
		gravelly, 6-20mm, suban									
						, Gypsec	ous, , ; Field pH 7 (Raupach,				
		0.6); Common, fine (1-2m	m) roots; Grad	ual char	nge to -						
С	0.7 - 1 m	Red (2.5YR4/5-Moist) · · C	lavev sand (He	eavv): M	oderate or	ade of str	ructure, 5-10 mm, Polyhedral;				
•	••••	Smooth-ped fabric; Mode									
							b), Manganiferous, Fine (0 - 2				
		mm), Laminae; , Calcarec									
Morn	hological l	Notes									
Upsel	rvation No	nes									

Site Notes

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1601Observation ID:1Agency Name:QLD Department of Primary Industries

Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD DLR Site ID: 1601 Observation ID: 1 QLD Department of Primary Industries Project Name: Project Code: Agency Name:

Laboratory Test Results:

Depth	pН	1:5 EC		hangeable	Cations K		xchangeable	CEC		ECEC		ESP
m		dS/m	Ca	Mg	ĸ	Na Cmol (+)/	Acidity kg					%
0 - 0.04 0.04 - 0.2	7.2A 5.7C 7.2A	0.07A 0.05A		4.8	1.1	0.05						
0.2 - 0.4 0.4 - 0.7	7.4A 6C 7.6A	0.07A 0.04A		11	0.5	0.11						
0.7 - 1	6.3C 7.8A	0.03A										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	FS	Analysi Silt	s Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.04 0.04 - 0.2		2.6A		0.131A	0.1	5A 1.19/	Ą		30A	36	16	18
0.2 - 0.4 0.4 - 0.7 0.7 - 1				0.116A		1.02/	Ą		16A	20	18	46
Depth	COLE		Grav	/imetric/Vo	lumetric V	Vater Conte	ents		Ks	at	K unsa	t
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	Bar	mm	/h	mm/h	
0 - 0.04 0.04 - 0.2 0.2 - 0.4 0.4 - 0.7 0.7 - 1												

0.7 - 1

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1601Observation ID:1Agency Name:QLD Department of Primary Industries

Laboratory Analyses Completed for this profile

10A1 10B 12A1_CU 12A1_FE 12A1_MN 12A1_ZN 15A2_CA	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 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 15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
17A1	Total potassium - X-ray fluorescence
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1
5A1	Chloride - 1:5 soil/water extract, potentiometric titration
6A1	Organic carbon - Walkley and Black
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9A1	Total phosphorus - X-ray fluorescence
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS P10 CF FS	Coarse sand (%) - Coventry and Fett pipette method Fine sand (%) - Coventry and Fett pipette method
P10_CF_F3	Silt (%) - Coventry and Fett pipette method
· · · ·	