Projec	ct Name: ct Code: cy Name:	•	te ID: T552	0	l Degrada bservatio		the Dalrypmle Shire, QI 1	-D	
Desc. Date D Map R Northin Eastin	esc.: ef.: ng/Long.: g/Lat.:	M.G. Cannon 04/03/92 Sheet No. : 8157 GPS 7755937 AMG zone: 55 422912 Datum: AGD66	Rainfall: Runoff:	Elevation:420 metresRainfall:No Data			drained		
<u>Geolo</u> Expos Geol. F	ureType:	No Data Pzo		Conf. Sub. is Parent. Mat.: No Da Substrate Material: Undist			ta urbed soil core, No Data		
Land Rel/Slo Morph Elem. Slope:	ope Class: . Type: Type:	Rolling low hills 30-90m ² Upper-slope Hillslope 10 %	Relief:	Slope Category: Moderately inclin			ned		
<u>Surfac</u>	ce Soil Co	ndition (dry): Hardset	tting						
<u>Erosic</u> Soil C	on: Iassificati	on							
Haplic	Eutrophic R	assification: ed Chromosol Medium Ve erately deep	ery gravelly Clay-	Mapping Unit: / Clay- Principal Profile Form:			N/A Dr2.12		
ASC C	Confidence			Great Soil Group:			Non-calcic brown soil		
<u>Site D</u> Veget		e: Limited clearing, for ex Low Strata - Tussock	1 00		Species inc	ludes - H	leteropogon triticeus, Aristida	a species,	
Eragrost	tis	Analian Mid C	Strata Trac 2.04 Cm		*0	:	Europhysics tracks while in E		
crebra, A	Albizia basa		Silala - 11ee, 3.01-01	i, opaise	. Species	Includes	- Eucalyptus trachyphloia, Ei	ucalyplus	
Surfac	ce Coarse	Tall Strata - Tree, 6.0 ⁴ Fragments: 50-90%, c					ebra, Eucalyptus trachyphloia identified)	a	
Profile	e Morphol	ogy							
A11	0 - 0.03 n	Moderately moist; dispersed, Igneous	Dark brown (10YR3/3-Moist); ; Clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, subangular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.01); Clear, Smooth change to -						
A12	2 0.03 - 0.15 m Dark brown (7.5YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, subangular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.1); Clear, Wavy change to -								
B2	2 0.15 - 0.42 m Yellowish red (5YR4/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.35); Clear, Wavy change to -								
В3	0.42 - 0.7 m Reddish yellow (7.5YR6/8-Moist); Substrate influence, 5YR56, 20-50%, 0-5mm, Distinct; Substrate influence, 20-50%; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Diffuse, Wavy change to -								
BC	0.7 - 0.9 ı	structure, 5-10 mm	; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Strong consistence; , Calcareous, , ; , Gypseous, , ; Diffuse, Wavy change to -						
С	0.9 - 1.7 ı	n ; Moderately moist	; , Calcareous, , ; , G	ypseous,	, ,				
<u>M</u> orph	nological l	<u>lotes</u>							
	vation No								

Observation Notes DLR1058; LOWER B2 DISPERSES.

Site Notes

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:T552Observation ID:1Agency Name:QLD Department of Primary Industries

Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD DLR Site ID: T552 Observation ID: 1 Project Name: Project Code: Agency Name: DLR Site ID: T552 QLD Department of Primary Industries

Laboratory Test Results:

Depth	рН	1:5 EC		changeable		N .	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Cmol (Acidity (+)/kg			%
0 - 0.03	7.21A	0.07A	8.9B	3.4	0.92	0.19		15.6l		1.22
			9.4J	3.12	0.67	0.04				0.26
0.03 - 0.15	6.86A	0.04A	7.2B	3.1	0.55	0.24		11.41		2.11
			6.35J	2.56	0.27	0.03				0.26
0.15 - 0.42	6.63A	0.03A	11B	7.3	0.39	0.28		18.5D		1.51
			10J	6.95	0.11	0.09		201		1.40
										0.49
										0.45
0.42 - 0.7	6.78A	0.03A	13B	9.1	0.32	0.32				
0.7 - 0.9	6.76A	0.03A	15.8J	11.8	0.14	0.14		31.31		0.45
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tot K		Particle GV CS	Size FS	Analysis Silt Clav

m	%	С %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.03		1.8B		0.039A	0.11A	1.58A			29A	37	17	17
0.03 - 0.15	0.1A	1.3B		0.03A	0.07A	1.52A			38A	31	15	16
0.15 - 0.42 0.42 - 0.7	0.1A	0.4B		0.019A	0.03A	0.739A			13A	24	21	42
0.7 - 0.9									13A	27	25	35
Depth	COLE	S et		imetric/Volu 0.1 Bar 0			-	Ber	K sa	at	K unsa	ıt
m		Sat.	0.05 Bar	•••••••••••••••••••••••••••••••••••••••	m3/m3	bar a	5 Bar 15	Bar	mm	/h	mm/h	

0 - 0.03 0.03 - 0.15 0.15 - 0.42 0.42 - 0.7 0.7 - 0.9

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:T552Observation 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 15A2_MG 15A2_NA 15D2_CEC 15F1_CA 15F1_K 15F1_MG 15F1_NA 15F3 15N1 17A1 19A1 3A1 4A1 6B2 7A2 9A1 P10_CE_C	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 Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; automatic extractor Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts CEC by 0.01M silver-thiourea (AgTU)+ Exchangeable sodium percentage (ESP) Total potassium - X-ray fluorescence Carbonates - rapid titration EC of 1:5 soil/water extract pH of 1:5 soil/water suspension Total organic carbon - high frequency induction furnace, volumetric Total nitrogen - semimicro Kjeldahl , automated colour Total phosphorus - X-ray fluorescence
P10_CF_C P10_CF_CS P10_CF_FS P10_CF_Z	Clay (%) - Coventry and Fett pipette method Coarse sand (%) - Coventry and Fett pipette method Fine sand (%) - Coventry and Fett pipette method Silt (%) - Coventry and Fett pipette method