Project Name:	Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD				
Project Code:	DLR	Site ID:	98	Observation ID:	1
Agency Name:	QLD Department of Primary Industries				

Date De Map Re Northin Easting	ef.: ig/Long.: g/Lat.:	M. DeC 09/08/9 Sheet N 761262		Locality: Elevation: Rainfall: Runoff: Drainage:	215 metro No Data Slow Imperfect		d		
<u>Geolog</u> Exposu Geol. R	ireType:	No Data No Data		Conf. Sub. is Pa Substrate Mater		No Data Undistu	a ırbed soil core, Sandstone		
<u>Land F</u> Rel/Slo Morph. Elem. T Slope:	pe Class: Type:	No Data Flat Plain 1 %	a	Pattern Type: Relief: Slope Category: Aspect:	Low hills No Data Level 90 degre				
Surfac	e Soil Co	ndition	(dry): Hardsetting, Surf	ace crust					
Erosio	<u>n:</u>								
Soil Cl	assificati	on							
Austral	ian Soil Cl	assifica	tion:	Мар	ping Unit:		N/A		
			ric Yellow Sodosol Medium	Non- Prin	cipal Profile	Form:	Dy3.43		
	Sandy Cla		llow	Cree	4 Soil Crow		Solodizod		
ASC Confidence: All necessary analytical data are available.				Great Soil Group		•			
All noci	accarv ana	livtical da	ta ara availahla	an arching by boofed onimals			solonetz		
				han grazing by hor	fed animals		solonetz		
Site Di	isturbanc	<u>e:</u> No e	ffective disturbance other the	0 0 ,		includes			
	isturbanc ation:	<u>e:</u> No e	ffective disturbance other the	0 0 ,		s includes	solonetz s - Triodia mitchelii, Heteropogon		
Site Di Vegeta ontortus	<u>isturbanc</u> ation:	<u>e:</u> No e Low	ffective disturbance other the strata - Hummock grass, 0	0.26-0.5m, Mid-der	se. *Species				
<u>Site Di</u> Vegeta	<u>isturbanc</u> ation:	<u>e:</u> No e Low Mid	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola	0.26-0.5m, Mid-der ated clumps. *Spe	se. *Species cies includes	s - Eucaly	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii,		
Site Di Vegeta ontortus .cacia co	<u>isturbanc</u> ation:	<u>e:</u> No e Low Mid	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola	0.26-0.5m, Mid-der ated clumps. *Spe	se. *Species cies includes	s - Eucaly	s - Triodia mitchelii, Heteropogon		
<u>Site Di</u> <u>Vegeta</u> ontortus .cacia co rebra	i <mark>sturbanc</mark> a <b>tion:</b> priacea	<u>e:</u> No e Low Mid Tall	ffective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola Strata - Tree, 3.01-6m, Ver	).26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species	se. *Species cies includes	s - Eucaly	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii,		
<u>Site Di</u> Vegeta ontortus .cacia co rebra <u>Surfac</u>	isturbanc ation: priacea ee Coarse	<u>e:</u> No e Low Mid Tall	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola	).26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species	se. *Species cies includes	s - Eucaly	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii,		
<u>Site Di</u> Vegeta ontortus .cacia co rebra <u>Surfac</u>	i <mark>sturbanc</mark> a <b>tion:</b> priacea	e: No e Low Mid Tall Fragm ogy n S	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola Strata - Tree, 3.01-6m, Ver Ments: No surface coarse f Strong brown (7.5YR4/6-Mo	0.26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species fragments hist); ; Loamy sand ce; 0-2%, fine grav	se. *Species cies includes includes - E (Heavy); Ma	s - Eucaly Eucalyptus	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii, s shirleyi, Melaleuca species, Eucalyp		
Site Di Vegeta ontortus .cacia co rebra Surfac Profile	sturbanc ation: priacea e Coarse Morphol	e: No e Low Mid Tall Fragm ogy n S f 5 m N	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isol Strata - Tree, 3.01-6m, Ver ents: No surface coarse f Strong brown (7.5YR4/6-Mo fabric; Dry; Weak consistent fragments; , Calcareous, , Yellowish red (5YR5/6-Mois	0.26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species fragments bist); ; Loamy sand ce; 0-2%, fine grav ; , Gypseous, , ; t); ; Loamy sand; I n (10 - 20 %), Ferr	se. *Species cies includes includes - E (Heavy); Ma elly, 2-6mm, Massive grad omanganifere	s - Eucaly Eucalyptus assive gra rounded le of struc ous, Coa	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii, s shirleyi, Melaleuca species, Eucalyp ade of structure; Earthy l, dispersed, Quartz, coarse		
Site Di Vegeta ontortus .cacia co rebra Surfac Profile A11	isturbanc ation: oriacea ee Coarse Morphol 0 - 0.03 n	e: No e Low Mid Tall Fragm ogy n S f. 5 m N V C 7 m V r	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isol Strata - Tree, 3.01-6m, Ver ents: No surface coarse f Strong brown (7.5YR4/6-Mo fabric; Dry; Weak consistence fragments; , Calcareous, , ; Yellowish red (5YR5/6-Mois Weak consistence; Common	0.26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species fragments bist); ; Loamy sand ce; 0-2%, fine grav ; , Gypseous, , ; t); ; Loamy sand; I n (10 - 20 %), Ferr , ; Field pH 6 (Rau and; Massive grade c; Dry; Weak consi	se. *Species cies includes includes - E (Heavy); Ma elly, 2-6mm, Massive grad pmanganifer pach, 0.05); of structure: stence; Many	s - Eucaly sucalyptus issive gra rounded le of struc ous, Coa ; Strong g y (20 - 50	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii, s shirleyi, Melaleuca species, Eucalyp ade of structure; Earthy dispersed, Quartz, coarse cture; Earthy fabric; Dry; rse (6 - 20 mm), Nodules; ,		
Site Di Vegeta ontortus cacia co rebra Surfac Profile A11 A21c	isturbanc ation: priacea e Coarse Morphol 0 - 0.03 n 0.03 - 0.1	e: No e   Low Mid   Tall Tall   Fragm fr   ogy fr   5 m %   7 m %   7 m %   8 m E   2 2	effective disturbance other the Strata - Hummock grass, 0 Strata - Tree, 1.01-3m, Isola Strata - Tree, 3.01-6m, Verg eents: No surface coarse f Strong brown (7.5YR4/6-Mo fabric; Dry; Weak consistence fragments; , Calcareous, , ; Yellowish red (5YR5/6-Mois Neak consistence; Common Calcareous, , ; , Gypseous, White (10YR8/1-Moist); ; Sa mm, Prismatic; Earthy fabric Coarse (6 - 20 mm), Nodule Brownish yellow (10YR6/6-Mo 50% ; Heavy clay; Strong gr	0.26-0.5m, Mid-der ated clumps. *Spe y sparse. *Species fragments bist); ; Loamy sand ce; 0-2%, fine grav ; , Gypseous, , ; t); ; Loamy sand; I n (10 - 20 %), Ferr , ; Field pH 6 (Rau and; Massive grade c; Dry; Weak consi es; , Calcareous, , ; Moist); Mottles, 2.5 rade of structure, 5 th-ped fabric; Mod	se. *Species cies includes includes - E (Heavy); Ma elly, 2-6mm, Massive grad omanganifero pach, 0.05); of structure: stence; Many , Gypseous, YR48, 20-50 0-100 mm, C	s - Eucaly Eucalyptus assive gra rounded le of struc ous, Coa ; Strong g y (20 - 50 , ; ; 20% , 5-15 Columnar	s - Triodia mitchelii, Heteropogon rptus shirleyi, Eremophila mitchellii, s shirleyi, Melaleuca species, Eucalyp ade of structure; Earthy , dispersed, Quartz, coarse cture; Earthy fabric; Dry; rse (6 - 20 mm), Nodules; , grade of structure, 20-50 0 %), Ferromanganiferous, mm, Distinct; Mottles, 20-		

## Observation Notes

Site Notes

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## Laboratory Test Results:

Depth	рН	1:5 EC		hangeabl Mg	e Cations K	Ex Na	changeable Acidity	CEC	ECE	EC ESP
m		dS/m	Uu I	ing .	ĸ	Cmol (+)/I				%
0.03 - 0.15 0.17 - 0.38 0.38 - 0.45	6.3A 7.8A 8.5A		1.1B 1.7J	1.3 9.6	0.13 0.1	0.1 3.2		13.61		23.53
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Par GV	ticle Siz CS FS	e Analysis S Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	01	%	
0.03 - 0.15 0.17 - 0.38 0.38 - 0.45										
Depth	COLE		Grav	imetric/V	olumetric V	Vater Conte	nts		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15	Bar	mm/h	mm/h
0.03 - 0.15 0.17 - 0.38										

0.17 - 0.38 0.38 - 0.45

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## Laboratory Analyses Completed for this profile

10B 15A2_CA	Extractable sulfur(mg/kg) - Phosphate extractable sulfur Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K 15A2_MG 15A2_NA 15F1_CA 15F1_K 15F1_MG 15F1_NA 15F3 15N1 4A1	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 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 Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Definition (AgTU)+, no pretreatment for soluble salts Exchangeable solid (AgTU)+, no pretreatment for soluble salts Definition (AgTU)+, no pretreatment for soluble salts