Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:266Observation ID:1Agency Name:QLD Department of Primary Industries

	Site	Inform	nation
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Site In	formation	<u>n</u>								
Desc. E	Зу:	M. De	Corte	Locality:						
Date De		10/06/		Elevation:			300 metres			
Map Re			No.: 8157 GPS	Rainfall:		No Data				
	ng/Long.:		782 AMG zone: 55 Runoff: Very slow							
Easting		42754	0 Datum: AGD66	Drainage:		Well drair	ned			
<u>Geolo</u>										
	ureType:	No Da		Conf. Sub.			No Data			
Geol. R		No Da	ata	Substrate	Material	1:	Undistu	Irbed soil core, Granodiorite		
Land F										
	pe Class:		lating rises 9-30m 3-10%	Pattern Ty	pe:	Rises				
Morph.		Flat		Relief:		No Data				
Elem. T	i ype:	Plain 1 %		Slope Cate	egory:	Level 270 degre	~~~			
Slope:				Aspect:		270 degr	ees			
	e Soil Co	naitio	on (dry): Hardsetting							
Erosio										
Soil C	lassificati	ion								
Austral	lian Soil Cl	lassific	ation:		Маррі	ng Unit:		N/A		
Haplic E	Eutrophic R	ed Chr	romosol Medium Non-gravelly	v Sandv		pal Profile	Form:	Dr2.22		
	Moderately			,,						
ASC C	onfidence	: '			Great	Soil Group):	Non-calcic brown		
Analvti	cal data are	e incom	nplete but reasonable confide	ence.				soil		
			effective disturbance other th		hv hoofe	d animals				
Vegeta			w Strata - Tussock grass, 0.5				as - Hata	ronogon contortus. Chryson	ogon fallay	
vegen								s includes - Acacia bidwillii,		
ervthroph	hloia, Acaci				, 1.01 0	in, opuioc.	Opeole		Lucaryptus	
		Та	ll Strata - Tree, 3.01-6m, Ver	y sparse. *S	pecies ir	ncludes - E	ucalyptu	s erythrophloia, Eucalyptus	papuana,	
Eucalypt	us			y sparse. *Sj	pecies ir	ncludes - E	ucalyptu	s erythrophloia, Eucalyptus	papuana,	
Eucalypt	us		ll Strata - Tree, 3.01-6m, Ver elanophloia	y sparse. *Sj	pecies ir	ncludes - E	ucalyptu	s erythrophloia, Eucalyptus	papuana,	
		me			pecies ir	ncludes - E	ucalyptu	s erythrophloia, Eucalyptus	papuana,	
Surfac	e Coarse	me • Fragi	elanophloia		pecies ir	ncludes - E	ucalyptu	s erythrophloia, Eucalyptus	papuana,	
<u>Surfac</u> Profile	e Coarse Morphol	me Fragi logy	elanophloia ments: No surface coarse t	fragments					papuana,	
Surfac	e Coarse	me Fragi logy	elanophloia <u>ments:</u> No surface coarse t Dark brown (10YR3/3-Moist	fragments i); ; Loamy sa	and; Mas	ssive grade	e of struc	ture; Earthy fabric; Many	oapuana,	
<u>Surfac</u> Profile	e Coarse Morphol	me Fragi logy	elanophloia ments: No surface coarse t	fragments i); ; Loamy sa nm) macropo	and; Masores, Dry	ssive grade y; Very wea	e of struc	ture; Earthy fabric; Many stence; , Calcareous, , ; ,		
<u>Surfac</u> Profile	e Coarse Morphol	me Fragi logy	elanophloia <u>ments:</u> No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r	fragments i); ; Loamy sa nm) macropo	and; Masores, Dry	ssive grade y; Very wea	e of struc	ture; Earthy fabric; Many stence; , Calcareous, , ; ,		
<u>Surfac</u> <u>Profile</u> A11	ce Coarse Morphol 0 - 0.08 n	me e Fragi logy n	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to -	fragments :); ; Loamy sa nm) macropo Raupach, 0.0	and; Mas ores, Dry 05); Com	ssive grade y; Very wea nmon, very	of struc ak consis fine (0-1	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth		
<u>Surfac</u> Profile	e Coarse Morphol	me e Fragi logy n	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L	fragments :); ; Loamy sa nm) macropo Raupach, 0.0 .oamy coarse	and; Mas ores, Dry 05); Com e sand; N	ssive grade y; Very wea nmon, very Massive gra	e of struc ak consis fine (0-1	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric;		
<u>Surfac</u> <u>Profile</u> A11	ce Coarse Morphol 0 - 0.08 n	me e Fragi logy n	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine	fragments :); ; Loamy sa nm) macropo Raupach, 0.0 .oamy coarse e (1-2mm) m	and; Mas ores, Dry 05); Com e sand; N acropore	ssive grade y; Very wea nmon, very Massive gra es, Dry; We	e of struc ak consis fine (0-1 ade of sti eak cons	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; ,		
<u>Surfac</u> <u>Profile</u> A11	ce Coarse Morphol 0 - 0.08 n	me e Fragi logy n	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver	fragments i); ; Loamy sa nm) macropo Raupach, 0.(.oamy coarse e (1-2mm) m y fine (0-1mr	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots;	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr	e of struc ak consis fine (0-1 ade of str eak cons nooth ch	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , iange to -		
<u>Surfac</u> <u>Profile</u> A11	ce Coarse Morphol 0 - 0.08 n	me • Fragi logy n 12 m	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist);	fragments (;); ; Loamy sa nm) macropo Raupach, 0.(coamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; \$	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr rrade of stru	e of struc ak consis fine (0-1 ade of str ade of str ak cons nooth ch ucture, 20	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , lange to - 0-50 mm, Angular blocky;		
Surfac Profile A11 A12	Coarse → Morphol 0 - 0.08 n 0.08 - 0.1	me • Fragi logy n 12 m	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist); Strong grade of structure, 5	fragments (;); ; Loamy sa nm) macropo Raupach, 0.0 (oamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; \$ -10 mm, Ang	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g gular bloo	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr yrade of stru cky; Smoot	e of struc ak consis fine (0-1 ade of str ak cons nooth ch ucture, 20 h-ped fal	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , ange to - 0-50 mm, Angular blocky; bric; Few (<1 per 100mm2)		
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Surfac Profile A11 A12 B1	ce Coarse <u>e Morphol</u> 0 - 0.08 n 0.08 - 0.1 0.12 - 0.2	me Fragi logy n 12 m 25 m 32 m	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist); Strong grade of structure, 5 Very fine (0.075-1mm) macr Few, very fine (0-1mm) root Red (2.5YR4/6-Moist); ; Ligi grade of structure, 5-10 mr fine (0.075-1mm) macroporr 6-20mm, angular, disperse faces or walls coated, distin Few, very fine (0-1mm) root	fragments (); ; Loamy sa nm) macropo Raupach, 0.0 (oamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; St -10 mm, Ang ropores, Dry; s; Clear, Sm ht clay; Stror n, Angular bl es, Moderate ed, Granodior ct; , Calcareo s;	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g gular bloc ; Firm co ooth cha ng grade locky; Sr ely moist rite, coar	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr grade of struc cky; Smoot onsistence; ange to -	e of struc ak consis fine (0-1 ade of stru- ade of stru- stru- stru- ade of stru-	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , iange to - 0-50 mm, Angular blocky; bric; Few (<1 per 100mm2) eous, , ; , Gypseous, , ; mm, Angular blocky; Strong ew (<1 per 100mm2) Very nce; 0-2%, medium gravelly mon cutans, 10-50% of ped	, ,	
Surfac Profile A11 A12 B1 B2 C	 ce Coarse Morphol 0 - 0.08 n 0.08 - 0.1 0.12 - 0.2 0.25 - 0.6 0.62 - 0.8 	me Fragi logy n 12 m 25 m 32 m 35 m	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist); Strong grade of structure, 5 Very fine (0.075-1mm) macc Few, very fine (0-1mm) root Red (2.5YR4/6-Moist); ; Ligl grade of structure, 5-10 mr fine (0.075-1mm) macropore 6-20mm, angular, disperse faces or walls coated, distin Few, very fine (0-1mm) root ; , Calcareous, , ; , Gypseou	fragments (); ; Loamy sa nm) macropo Raupach, 0.0 (oamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; St -10 mm, Ang ropores, Dry; s; Clear, Sm ht clay; Stror n, Angular bl es, Moderate ed, Granodior ct; , Calcareo s;	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g gular bloc ; Firm co ooth cha ng grade locky; Sr ely moist rite, coar	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr grade of struc cky; Smoot onsistence; ange to -	e of struc ak consis fine (0-1 ade of stru- ade of stru- stru- stru- ade of stru-	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , iange to - 0-50 mm, Angular blocky; bric; Few (<1 per 100mm2) eous, , ; , Gypseous, , ; mm, Angular blocky; Strong ew (<1 per 100mm2) Very nce; 0-2%, medium gravelly mon cutans, 10-50% of ped	, ,	
Surfac Profile A11 A12 B1 B2 C C Morph	Coarse Morphol 0 - 0.08 n 0.08 - 0.1 0.12 - 0.2 0.25 - 0.6 0.62 - 0.8 0.62 - 0.8	me Fragi logy n 12 m 25 m 25 m 35 m Notes	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist); Strong grade of structure, 5 Very fine (0.075-1mm) macc Few, very fine (0-1mm) root Red (2.5YR4/6-Moist); ; Ligl grade of structure, 5-10 mr fine (0.075-1mm) macropore 6-20mm, angular, disperse faces or walls coated, distin Few, very fine (0-1mm) root ; , Calcareous, , ; , Gypseou	fragments (); ; Loamy sa nm) macropo Raupach, 0.0 (oamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; St -10 mm, Ang ropores, Dry; s; Clear, Sm ht clay; Stror n, Angular bl es, Moderate ed, Granodior ct; , Calcareo s;	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g gular bloc ; Firm co ooth cha ng grade locky; Sr ely moist rite, coar	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr grade of struc cky; Smoot onsistence; ange to -	e of struc ak consis fine (0-1 ade of stru- ade of stru- stru- stru- ade of stru-	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , iange to - 0-50 mm, Angular blocky; bric; Few (<1 per 100mm2) eous, , ; , Gypseous, , ; mm, Angular blocky; Strong ew (<1 per 100mm2) Very nce; 0-2%, medium gravelly mon cutans, 10-50% of ped	, ,	
Surfac Profile A11 A12 B1 B2 C C Morph	 ce Coarse Morphol 0 - 0.08 n 0.08 - 0.1 0.12 - 0.2 0.25 - 0.6 0.62 - 0.8 	me Fragi logy n 12 m 25 m 25 m 35 m Notes	elanophloia ments: No surface coarse f Dark brown (10YR3/3-Moist (>5 per 100mm2) Fine (1-2r Gypseous, , ; Field pH 5.5 (change to - Brown (7.5YR4/4-Moist); ; L Many (>5 per 100mm2) Fine Gypseous, , ; Common, ver Dark red (2.5YR3/6-Moist); Strong grade of structure, 5 Very fine (0.075-1mm) macc Few, very fine (0-1mm) root Red (2.5YR4/6-Moist); ; Ligl grade of structure, 5-10 mr fine (0.075-1mm) macropore 6-20mm, angular, disperse faces or walls coated, distin Few, very fine (0-1mm) root ; , Calcareous, , ; , Gypseou	fragments (); ; Loamy sa nm) macropo Raupach, 0.0 (oamy coarse e (1-2mm) m y fine (0-1mr ; Light clay; St -10 mm, Ang ropores, Dry; s; Clear, Sm ht clay; Stror n, Angular bl es, Moderate ed, Granodior ct; , Calcareo s;	and; Mas ores, Dry 05); Corr e sand; N acropore n) roots; Strong g gular bloc ; Firm co ooth cha ng grade locky; Sr ely moist rite, coar	ssive grade y; Very wea nmon, very Massive gra es, Dry; We ; Abrupt, Sr grade of struc cky; Smoot onsistence; ange to -	e of struc ak consis fine (0-1 ade of stru- ade of stru- stru- stru- ade of stru-	ture; Earthy fabric; Many stence; , Calcareous, , ; , mm) roots; Abrupt, Smooth ructure; Earthy fabric; istence; , Calcareous, , ; , iange to - 0-50 mm, Angular blocky; bric; Few (<1 per 100mm2) eous, , ; , Gypseous, , ; mm, Angular blocky; Strong ew (<1 per 100mm2) Very nce; 0-2%, medium gravelly mon cutans, 10-50% of ped	, ,	

Site Notes

Project Name: Project Code: Agency Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDDLRSite ID:266Observation ID:1 DLR Site ID: 266 QLD Department of Primary Industries

Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	Na	Exchangeable Acidity	CEC	ECEC	;	ESP
m		dS/m	u ii	9	ĸ	Cmol (%
0 - 0.08 0.25 - 0.62	5.8A 6.6A		9.6J	2.8	0.6	0.1		12.7I			0.79
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tot K	Density	Partic GV C	S FS	Analys Silt	is Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%		
0 - 0.08 0.25 - 0.62											
Depth	COLE		Gravimetric/Volumetric Water Contents K sat K u						K uns	at	
m		Sat.	0.05 Bar		0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15 E		nm/h	mm/ł	ı

0 - 0.08 0.25 - 0.62

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD Project Code: DLR Site ID: 266 Observation ID: 1 Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile

- Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts 15F1_CA
- 15F1_K 15F1_MG
- 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)+ 15F1_NA 15F3
- 15N1 Exchangeable sodium percentage (ESP)
- 4A1 pH of 1:5 soil/water suspension