Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID: 78Observation ID: 1Agency Name:QLD Department of Primary Industries

Site Information

Desc. E Date De Map Re	esc.: ef.: ig/Long.:	M. DeCorte 26/07/90 Sheet No. : 8057 GPS 7737435 AMG zone: 55 367447 Datum: AGD66	Rainfall: Runoff:	Elevation:335 metresRainfall:No Data			rained	
<u>Geolog</u> Exposu Geol. R	ireType:	No Data No Data		Conf. Sub. is Parent Substrate Material:				
Morph. Elem. T Slope:	pe Class: Type: ype:	Level plain <9m <1% Flat Plain 1 %	Relief: Slope Cat Aspect:	Slope Category: Aspect:		ees		
Surfac Erosio		ndition (dry): Hardsetti	ng, Surface crust					
	assificati	<u>on</u>						
Sodic M	lesotrophic	assification: Brown Kandosol Thin Grav	elly Clay-loamy		ng Unit: pal Profile	Form:	N/A Gn2.22	
Clayey Deep Great Soil Group: Yellow earth ASC Confidence: Analytical data are incomplete but reasonable confidence. Yellow earth Site Disturbance: No effective disturbance other than grazing by hoofed animals Yellow earth								
Vegeta species	<u>ation:</u>						/sopogon fallax, Aristida speci reya, Eucalyptus melanophloia	
Surfac	e Coarse	Tall Strata - Tree, 6.01- Fragments: 10-20%, m		•			s melanophloia, Acacia specie	es
	Morphole		,,,	,	,	_		
A1	0 - 0.05 m	Dark brown (10YR3 Earthy fabric; Dry; F	irm consistence; 2- ments; , Calcareous	10%, me , , ; , Gyp	dium grave	lly, 6-20	sive grade of structure; mm, angular, dispersed, 5.5 (Raupach, 0.05); Few,	
B1	0.05 - 0.4	blocky; Smooth-pe 20mm, angular, dis	Yellowish brown (10YR5/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.3); Common, fine (1-2mm) roots; Clear, Smooth change to -					
B21	0.45 - 0.8	Subangular blocky;	Yellowish brown (10YR5/8-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.8 (Raupach, 0.6); Common, fine (1-2mm) roots; Abrupt, Smooth change to -					
2Dc	0.8 - 1.2 n	Medium heavy clay fabric; Moist; Very fi	Light olive brown (2.5Y5/4-Moist); Mottles, 10YR58, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; Many (20 - 50 %), Ferruginous, Medium (2 -6 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 7.2 (Raupach, 0.9);					
<u>Morph</u>	ological N	lotes						
Observ	vation No	tes						

Site Notes

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Laboratory Test Results:

Depth	рН	1:5 EC			e Cations		Exchangeable	CEC	ECEC	ESP
m	m		Ca	Mg K		Na Acidity Cmol (+)/kg				%
0 - 0.05 0.05 - 0.45	5.8A 6A		1.6B	1.6	0.28	0.05				
0.45 - 0.8	6.9A		1.5B 1.4J	3.2 3.1	0.07 0.1	0.59 0.6		7.91		7.47 7.59
0.8 - 1.2	7.2A		1.3B 1.2E	6 5.8	0.1 0.09	1.9 1.8		12B		15.83 15.00
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV C	cle Size S FS	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	0. 0	%	one only
0 - 0.05 0.05 - 0.45 0.45 - 0.8 0.8 - 1.2										
Depth	COLE		Gravimetric/Volumetric Water Contents						K sat	K unsat
m			0.05 Bar		0.5 Bar g/g - m3/m	1 Bar 3	5 Bar 15 I	5 Bar m	mm/h	mm/h
0 - 0.05 0.05 - 0.45 0.45 - 0.8 0.8 - 1.2										

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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
10/12_0/1	soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15F1 CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1 [–] K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension

4A1 pH of 1:5 soil/water suspension