Project Code: KL	Katanning land resources survey KLC Site ID: 0558 Observation ID: 1 Agriculture Western Australia						
Date Desc.: 19/1 Map Ref.: Northing/Long.: 6266	ther Percy 1/92 6960 AMG zone: 50 200 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	240 metres No Data No Data Poorly drained				
	pit Data	Conf. Sub. is Pare Substrate Materia					
Land Form Rel/Slope Class: Und	lulating low hills 30-90m 3-10%	Pattern Type:	Low hills				
		Relief: Slope Category: Aspect:	30 metres No Data 225 degrees				
Erosion: (wind); (sl Soil Classification	heet) (rill) (gully)						
ASC Confidence: All necessary analytical	esonatric Yellow Sodosol	Princi Great	ng Unit: pal Profile Form: Soil Group: ivated at some stag	N/A Dy5.21 N/A			
<u>Vegetation:</u> Surface Coarse	No surface coarse f	ragments; No surfac	ce coarse fragments	6			
Profile A1 0 - 0.12 m structure, 10-20 mm, Loose to -	Subangular blocky; Moderat	Very dark grey (10YR3/1-Moist); , 0-0% ; , 0-0% ; Clayey sand; Moderate grade of Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Moist; consistence; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Clear, Smooth change					
A2 0.12 - 0.5 m structure; Dry; change to -	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of Loose consistence; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Abrupt, Smooth						
B21t 0.5 - 0.6 m medium clay; consistence; 20-50%, 20mm, Gradual, Smooth B22t 0.6 - 1.3 m influence, 10R36, Polyhedral; Irregular C 1.3 - 1.4 m Distinct: Substrate	Light yellowish brown (2.5Ye Weak grade of structure, 10- fine gravelly, 2-6mm, subang subangular, Quartz, coarse f change to - Light grey (10YR7/1-Moist); 20-50% , 15-30mm, Promin Smooth-ped fabric; Moderate change to - Brownish yellow (10YR6/6-M	-20 mm, Polyhedral; gular, Quartz, coars fragments; Field pH Mottles, 7.5YR58, 2 ent; Medium clay; M ely moist; Firm cons	Rough-ped fabric; e fragments; 10-209 7 (Raupach); Few, 0-50% , 15-30mm, I loderate grade of st istence; Field pH 6.	Dry; Very firm %, medium gravelly, 6- fine (1-2mm) roots; Distinct; Substrate ructure, 5-10 mm, 5 (Raupach); Clear,			
Distinct; Substrate structure; Wet; Very 10-20%, coarse	influence, 10R36, 10-20%, 15-30mm, Distinct; Sandy clay loam; Massive grade of weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;						

gravelly, 20-60mm, angular, Quartz, coarse fragments; Field pH 6 (Raupach);

Morphological Notes

A2 C

Layer of sub angular medium quartz at base of L2 Water entered in this layer

Observation Notes

Site Notes

Lower Balgarup Soil pit 3

Project Name:	Katanning land	resources	survey		
Project Code:	KLC	Site ID:	0558	Observation	1
Agency Name:	Agriculture Wes	tern Austra	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Exe	changeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	••			Cmol				%
0 - 0.12	5.1B 6.4H	9B	3.2H	2.5	0.02	0.68	0.17J		6.4D	
0 - 0.1	5.2B 5.8H	62B								
0 - 0.12	5.1B 6.4H	9B	3.2H	2.5	0.02	0.68	0.17J		6.4D	
0 - 0.1	5.2B 5.8H	62B								
0.12 - 0.5	5.1B 6.3H	7B	0.33H	0.82	0.02	0.34	0.05J		1.51D	
0.12 - 0.5	5.1B 6.3H	7B	0.33H	0.82	0.02	0.34	0.05J		1.51D	
0.5 - 0.6	5.6B 6.2H	20B	0.56H	2.55	0.03	0.96	0.02J		4.1D	
0.5 - 0.6	5.6B 6.2H	20B	0.56H	2.55	0.03	0.96	0.02J		4.1D	
0.6 - 1.3	4.9B 5.3H	57B	0.74H	6.54	0.03	2.2	0.16J		9.51D	
0.6 - 1.3	4.9B 5.3H	57B	0.74H	6.54	0.03	2.2	0.16J		9.51D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.12 8.8		1.99D		210B	0.133E						5.2
0 - 0.1 0 - 0.12 8.8		2.39D 1.99D		260B 210B	0.178E 0.133E						5.2
0 - 0.1 0.12 - 0.5 7		2.39D 0.18D		260B 51B	0.178E 0.017E						3.3
0.12 - 0.5 7		0.18D		51B	0.017E						3.3
0.5 - 0.6 29.4		0.13D		65B	0.016E						7.9
0.5 - 0.6 29.4		0.13D		65B	0.016E						7.9
0.6 - 1.3 48.3		0.1D		37B	0.012E						10.6
0.6 - 1.3 48.3		0.1D		37B	0.012E						10.6

Laboratory Analyses Completed for this profile

Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded 15_NR_BSa 15_NR_CMR

15E1_AL	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
salts	
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
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Project Name: Project Code: Agency Name	KLC Site ID: 0558 Observation 1
4B_AL_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_gt2m P10_NR_C P10_NR_Z P10_NR_Z P10106_150 P10150_180 P10180_300 P10300_600 P106001000	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen - semimicro Kjeldahl, steam distillation Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded) 75 to 106u particle size analysis, (method not recorded) > 2mm particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded arithmetic difference, auto generated Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 160 to 150u particle size analysis, (method not recorded) 160 to 150u particle size analysis, (method not recorded) 160 to 150u particle size analysis, (method not recorded) 160 to 160u particle size analysis, (method not recorded) 160 to 100u particle size analysis, (method not recorded)