Project Name: Project Code: Agency Name:	Katanning land resources KLC Site ID: Agriculture Western Austra	2321 O	bservation ID:	1				
Date Desc.: Map Ref.: Northing/Long.:	Heather Percy 13/04/95 6330640 AMG zone: 50 519100 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	290 metres No Data No Data Moderately well dr	rained				
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Materia						
Land Form Rel/Slope Class:	Gently undulating rises 9-30m 1-	3%	Pattern Type:	Rises				
Morph. Type: Elem. Type: Slope: Surface Soil Coi	Upper-slope Hillslope 3 % ndition Hardsetting, Har	Relief: Slope Category: Aspect:	10 metres No Data 180 degrees					
Erosion: (wind)); (sheet) (rill) (gully)	luootting						
Soil Classification Australian Soil Cla N/A ASC Confidence: Confidence level n Site	assification:	Princi Great	ng Unit: pal Profile Form: Soil Group: ivated at some stag	N/A Dg2.82 N/A e				
<u>Vegetation:</u> Surface Coarse	2-10%, medium gr	avelly, 6-20mm, subr	ounded, ; No surfac	e coarse fragments				
Profile A1 0 - 0.08 m structure; Dry; Field pH 6.5	Very firm consistence; 10-2	20%, fine gravelly, 2-6	-	-				
 (Raupach); Sharp, Smooth change to - A21 0.08 - 0.2 m Brown (10YR5/3-Moist); , 0-0%; Clayey coarse sand; Massive grade of structure; D 								
Very firm (Raupach);	consistence; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 Clear, Wavy change to -							
A22e 0.2 - 0.4 n structure; Dry; Very medium	n Light brownish grey (2.5Y6 firm consistence; 20-50%,			-				
Wavy change to -	gravelly, 6-20mm, subroun	ded, , coarse fragmer	nts; Field pH 7.5 (Ra	aupach); Abrupt,				
B2 0.4 - 0.7 n 2.5YR56, 2-10% , 5-		Light grey (10YR7/2-Moist); Mottles, 10YR66, 2-10% , 5-15mm, Distinct; Mottles,						
strong		15mm, Distinct; Coarse sandy light medium clay; Massive grade of structure; Dry; Very						
-		consistence; Field pH 8 (Raupach);						
B3 0.7 - 1.7 n 2.5YR56, 10-20% ,		Light grey (10YR7/2-Moist); Mottles, 10YR66, 10-20% , 15-30mm, Distinct; Mottles,						
ped fabric; Dry;	15-30mm, Distinct; Light cl			Polyhedral; Rough-				
·	Very strong consistence; F		U					
C 1.7 - 2.2 n Ioam; Massive								
Morphological N	grade of structure; Dry; Str	ung consistence; Fiel	u pri 7.5 (Kaupach)	,				
C	Weathered kaolinised grani	te						

Observation Notes

Site Notes

Soil pit on B. Weise - Chuckem Gully Catchment - Moderately drained sandy duplex LMU

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Agency Name:	Agricultu					

Laboratory Test Results:

Depth	рН	1:5 EC	Exc	changeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	0a	Ng	ĸ		(+)/kg			%
0 - 0.08	5.5B 6.4H	7B	6.5H	0.88	0.45	0.1	0.07J		7.93D	
0 - 0.08	5.5B 6.4H	7B	6.5H	0.88	0.45	0.1	0.07J		7.93D	
0 - 0.1	5.5B 6.4H	6B								
0 - 0.1	5.5B 6.4H	6B								
0.08 - 0.2	5.9B 7.1H	2B	0.8A	0.35	0.17	0.06			1.38D	
0.08 - 0.2	5.9B 7.1H	2B	0.8A	0.35	0.17	0.06			1.38D	
0.2 - 0.4	6.2B 7.2H	2B	1.8A	0.46	0.22	0.04			2.52D	
0.2 - 0.4	6.2B 7.2H	2B	1.8A	0.46	0.22	0.04			2.52D	
0.4 - 0.6	6.9B 7.9H	4B	1.8A	1.8	0.39	0.14			4.13D	
0.4 - 0.6	6.9B 7.9H	4B	1.8A	1.8	0.39	0.14			4.13D	
0.6 - 0.7	6.9B 7.9H	5B	2A	2	0.25	0.2			4.45D	
0.6 - 0.7	6.9B 7.9H	5B	2A	2	0.25	0.2			4.45D	
0.7 - 1	6.4B 7.1H	8B	0.91A	2.5	0.12	0.32			3.85D	
0.7 - 1	6.4B 7.1H	8B	0.91A	2.5	0.12	0.32			3.85D	

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 - 0.08 5.5		2.7D		240B	0.164E						5.2
0 - 0.08 5.5		2.7D		240B	0.164E						5.2
0 - 0.1 0 - 0.1		2.64D 2.64D		210B 210B	0.147E 0.147E						
0.08 - 0.2 5.2		0.58D		44B	0.026E						4.3
0.08 - 0.2 5.2		0.58D		44B	0.026E						4.3
0.2 - 0.4 4.4		0.22D		30B	0.014E						3.8
0.2 - 0.4 4.4		0.22D		30B	0.014E						3.8
0.4 - 0.6 37.9		0.2D		33B	0.012E						5.9
0.4 - 0.6 37.9		0.2D		33B	0.012E						5.9
0.6 - 0.7 35.6		0.26D		28B	0.015E						6.4
0.6 - 0.7 35.6		0.26D		28B	0.015E						6.4

0.7 - 1	0.12D	29B	0.006E	11.9
48.2 0.7 - 1 48.2	0.12D	29B	0.006E	11.9

Laboratory Analyses Completed for this profile

15_NR_BSa Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available

Project Name: Project Code: Agency Name:	Katanning land resources survey KLC Site ID: 2321 Observation 1 Agriculture Western Australia
15_NR_CMR 15A1_CA for soluble	Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_CEC 15A1_K for soluble	salts Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K 15E1_MG 15E1_MN 15E1_NA 15J_BASES 15L1_a	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a 15N1_b 18A1_NR 3_NR 4_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_9t2m P10_NR_C P10_NR_C P10_NR_Z P10106_150 P10180_300 P10300_600	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded) Electrical conductivity or soluble salts - Not recorded pH of soil - 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) Clay (%) - Not recorded Sand (%) - Not recorded Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 180 to 300u particle size analysis, (method not recorded) 180 to 300u particle size analysis, (method not recorded) 180 to 300u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)