Project Name: Project Code: Agency Name:	Katanning land resources s KLC Site ID: Agriculture Western Austra	0152	Observation ID:	1					
Date Desc.: 2 Map Ref.: Northing/Long.: 6 Easting/Lat.: 2	Heather Percy 26/03/92 6250730 AMG zone: 50 486030 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	310 metres No Data No Data Moderately well di	rained					
Geol. Ref.:	Soil pit No Data	Conf. Sub. is Par Substrate Materi							
Land Form Rel/Slope Class:	Undulating low hills 30-90m 3-10%	ndulating low hills 30-90m 3-10% Pattern Type: Low hills							
Elem. Type: Slope:	Upper-slope Hillslope 8 %	Relief: Slope Category: Aspect:	40 metres No Data 90 degrees						
Surface Soil Cor Erosion: (wind)	nditionHardsetting ; (sheet) (rill) (gully)								
Soil Classification									
Australian Soil Cla Ferric Magnesic-Na ASC Confidence:		Princ	ping Unit: cipal Profile Form: it Soil Group:	N/A Dr2.11 N/A					
<u>Site</u>	Extensive clearing, for example	poisoning, ringbar	king						
Vegetation: 2-10%, medium gravelly, 6-20mm, subangular, Ironstone; No surface coarse fragments									
Profile			C						
A1 0 - 0.05 m 10-20%, fine	Dark brown (7.5YR3/2-Moist); , 0-0% ; Clayey fine sand; Massive grade of structure; Dry;								
(Raupach);	gravelly, 2-6mm, angular, C	gravelly, 2-6mm, angular, Quartz, coarse fragments; Strongly water repellent, "Field pH 5							
	Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -								
B1 0.05 - 0.15 Polyhedral; Rough-pe		Red (2.5YR4/6-Moist); , 0-0% ; Light clay; Weak grade of structure, 20-50 mm,							
(20 - 50 %),	fabric; Dry; 50-90%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Many								
fine (0-1mm)	Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 5 (Raupach); Common, very								
	roots; Clear, Smooth change to -								
B2 0.15 - 0.7 r Polyhedral;	m Red (2.5YR4/8-Moist); , 0-0% ; Light medium clay; Strong grade of structure, 20-50 mm,								
Smooth-ped fabric; Dry; Field pH 4.5 (Raupach); Few, fine (1-2mm) roots; Gradual, Irregular change to -				roots; Gradual,					
C 0.7 - 1.6 m Smooth-ped									
	fabric; Dry; Field pH 4.5 (Raupach); Common, coarse (>5mm) roots;								
<b>Morphological N</b> A1 C	Also fine round smoothfaced Kaolinitic clay 30% 30% 10%								
Observation Notes									
<u>Site Notes</u> Surface covered with thin (<5mm) veneer of sand									
	an and (Somm) veneer of Saliu								
Project Name: Project Code: Agency Name:	Katanning land resources s KLC Site ID: Agriculture Western Austra	0152	Observation 1	1					

Project Name:	Katanning land resources survey							
Project Code:	KLC	Site ID:	0152	Observation				
Agency Name:	Agriculture Western Australia							

Laboratory Test Results:										
Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	N		(+)/kg			%
0 - 0.1	5.7B 6.3H 5.7B	51B								
0 - 0.1	6.3H 5.7B 6.3H 5.7B 6.3H	51B								
0 - 0.1	5.7B 6.3H 5.7B 6.3H	51B								
0 - 0.1	5.7B 6.3H 5.7B 6.3H	51B								
0.05 - 0.15	4.7B 5H	110B	1.5H	5.82	0.3	1.13	0.89J		8.75D	
0.05 - 0.15	4.7B 5H	110B	1.5H	5.82	0.3	1.13	0.89J		8.75D	
0.15 - 0.7	4B 4.2H	110B	0.25H	5.08	0.11	0.78	1.89J		6.22D	
0.15 - 0.7	4B 4.2H	110B	0.25H	5.08	0.11	0.78	1.89J		6.22D	
0.7 - 1.6	3.8B 3.8H	420B	0.05H	4.18	<0.02	1.81	0.95J		6.05D	
0.7 - 1.6	3.8H 3.8H	420B	0.05H	4.18	<0.02	1.81	0.95J		6.05D	

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 - 0.1		10.76D 10.76D		770B 770B	0.626E 0.626E						
0 - 0.1		10.76D 10.76D		770B 770B	0.626E 0.626E						
0 - 0.1		10.76D 10.76D		770B 770B	0.626E 0.626E						
0 - 0.1		10.76D 10.76D		770B 770B	0.626E 0.626E						
0.05 - 0.15 33.1		2.4D		83B	0.071E						13.6
0.05 - 0.15 33.1		2.4D		83B	0.071E						13.6
0.15 - 0.7 59.3		0.56D		28B	0.021E						11
0.15 - 0.7 59.3		0.56D		28B	0.021E						11
0.7 - 1.6 27.9		0.33D		27B	0.007E						20.6
0.7 - 1.6 27.9		0.33D		27B	0.007E						20.6

## Laboratory Analyses Completed for this profile

15\_NR\_BSa

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

Project Name:	Katanning land resources survey
Project Code:	KLC Site ID: 0152 Observation 1
Agency Name:	Agriculture Western Australia
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
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 15E1_MG 15E1_MN 15E1_MN 15E1_NA 15J_BASES 15N1_b 18A1_NR 3_NR 4_NR 4B_AL_NR 4B_AL_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_9t2m P10_NR_C P10_NR_Saa P10_NR_Z	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 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 Sum of Bases 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 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 Phosphorus (ppm) - 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) > 2mm particle size analysis, (method not recorded) > 2mm particle size analysis, (method not recorded) > 2mm particle size analysis, (method not recorded) Sand (%) - Not recorded Sand (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)