Project Code:	Katanning land resources s KLC Site ID: Agriculture Western Austra	2338 O	bservation ID:	1			
Date Desc.:21Map Ref.:63Northing/Long.:63Easting/Lat.:58	eather Percy /09/95 15060 AMG zone: 50 4930 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	285 metres No Data No Data Moderately well d	Irained			
	bil pit o Data	Conf. Sub. is Pare Substrate Materia					
Slope: 0 Surface Soil Cond <u>Erosion:</u> (wind);	at ain % I <u>ition</u> Hardsetting, Har (sheet) (rill) (gully)	Pattern Type: Relief: Slope Category: Aspect: dsetting	Alluvial plain 5 metres No Data No Data				
Soil Classification Australian Soil Class N/A ASC Confidence: Confidence level not	specified	Princi	ng Unit: pal Profile Form: Soil Group:	N/A Dr2.13 N/A			
<u>Site</u> Vegetation: Surface Coarse	Cultivation. Rainfed 10-20%, medium g	ravelly, 6-20mm, sub	prounded, ; No surfa	ace coarse fragments			
Profile Ap 0 - 0.1 m Very firm	Dark reddish brown (5YR3/ consistence; 10-20%, medi	,	,				
(10 - 20 %), very fine (0-1mm)	Ferromanganiferous, Mediu roots; Abrupt, Smooth chan		es; Field pH 7.5 (Ra	upach); Common,			
B21 0.1 - 0.25 m Polyhedral;	•	-	oderate grade of str	ucture, 20-50 mm,			
Medium (2 -6		Rough-ped fabric; Dry; Very firm consistence; Common (10 - 20 %), Ferromanganiferous, mm), Nodules; Soil matrix is Very highly calcareous; Field pH 9.5 (Raupach); Common,					
very fine (0-	1mm) roots; Clear, Wavy ch	nange to -					
B22 0.25 - 0.7 m ped fabric; Dry;	Red (2.5YR4/6-Moist); , 0-0	-					
segregations; Many (20	Strong consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Many (20 - 50 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Soil matrix is Highly						
calcareous; Field pH 9.	5 (Raupach); Few, very fine (	0-1mm) roots; Clear	change to -				
B23k 0.7 - 1.5 m Polyhedral; Smooth-	Red (2.5YR4/6-Moist); , 0-0		U U				
60 mm), Soft	ped fabric; Dry; Strong cons segregations; Many (20 - 50		,				
(2 - 10 %), (Raupach);	Calcareous, Coarse (6 - 20	,. <b>C</b>		,.			

Morphological NotesApBlack gravelObservation NotesSite Notes

Project Name:	Katanning land resources survey					
Project Code:	KLC	Site ID:	2338			
Agency Name:	Agriculture We	stern Austr	alia			

Observation 1

## Laboratory Test Results:

Depth	рН	1:5 EC		hangeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		5		Cmol				%
0 - 0.1	6.6B 6.8H	58B	10.47A	5.02	1.19	0.43			17.11D	
0 - 0.1	6.6B 6.8H	58B	10.47A	5.02	1.19	0.43			17.11D	
0.1 - 0.25	8.1B 8.8H	30B	9.99E	9.42	1.3	1.91		20B	22.62D	9.55
0.1 - 0.25	8.1B 8.8H	30B	9.99E	9.42	1.3	1.91		20B	22.62D	9.55
0.25 - 0.55	8.4B 9.5H	36B	4.89E	10.12	1.7	4.32		20B	21.03D	21.60
0.25 - 0.55	8.4B 9.5H	36B	4.89E	10.12	1.7	4.32		20B	21.03D	21.60
0.55 - 0.7	8.6B 9.8H	67B	1.61E	8.26	1.88	8.38		20B	20.13D	41.90
0.55 - 0.7	8.6B 9.8H	67B	1.61E	8.26	1.88	8.38		20B	20.13D	41.90
0.7 - 1	8.7B 9.8H	77B	0.88E	7.5	1.89	10.62		20B	20.89D	53.10
0.7 - 1	8.7B 9.8H	77B	0.88E	7.5	1.89	10.62		20B	20.89D	53.10

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	P GV	article CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 20	0C	1.28D		230B	0.09E						11.3
0 - 0.1 20	0C	1.28D		230B	0.09E						11.3
0.1 - 0.25 44.2	5C	0.48D		93B	0.04E						11.1
0.1 - 0.25 44.2	5C	0.48D		93B	0.04E						11.1
0.25 - 0.55 47	18C	0.2D		62B	0.022E						8.8
0.25 - 0.55 47	18C	0.2D		62B	0.022E						8.8
0.55 - 0.7 51.3	19C	0.11D		48B	0.014E						9.3
0.55 - 0.7 51.3	19C	0.11D		48B	0.014E						9.3
0.7 - 1 49.7	16C	0.08D		41B	0.012E						11
0.7 - 1 49.7	16C	0.08D		41B	0.012E						11

## Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts

15A1_MG for soluble	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
15C1_CA pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
•	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts

Agency Name: Ag		tern Aust	2338 ralia		Observation	1
15C1_K Exchanges soluble salts	angeable bases	and CEC -	alcoholic	1M ammon	ium chloride at p⊦	8.5, pretreatment for
15C1_MG Exch soluble salts	angeable bases	and CEC -	alcoholic	1M ammon	ium chloride at p⊦	8.5, pretreatment for
15C1_NA Exchanges	angeable bases	and CEC - :	alcoholic	1M ammon	ium chloride at p⊦	8.5, pretreatment for
15L1_a Exch Sum of Cations	0	Base satura	ation perc	entage (BS	P) - Auto calculat	ed from available using
15N1_a Exch.   15N1_b Exch.   19B_NR Calci   3_NR Elect   4_NR pH of   4B1 pH of   6A1_UC Orga   7A1 Total   9A3 Total   9H1 Anior   P10_1m2m 1000   P10_20_75 20 to   P10_T5_106 75 to   P10_R_C Clay   P10_NR_C Clay   P10_NR_Z Sand   P10_NR_Z Sitt (?   P10106_150 106 to   P10150_180 150 to		n percentag CaCO3) - No or soluble : ded uncorrected nicro Kjelda m) - semim ty e size analysis, (no e analysis, (mo e analysi	e (ESP) - ot recorde salts - No ride extra d Walkley hl, steam icro kjeld: sis, (meth method n (method ethod not tic differen s, (method s, (method	Auto calcu ed t recorded act - direct and Black distillation ahl, automa nod not recorded not recorded not recorded) nce, auto ge d not record anot record anot record anot record anot record anot record	method ted colour orded) ) d) enerated ed) ed)	le using CEC le using Sum of Cations