Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0435 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information
Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	08/09/92	**Elevation:**	277 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6280520 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	561750 Datum: AGD84	**Drainage:**	Moderately well drained

Geology
ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form
Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Alluvial plain
Morph. Type:	Flat	**Relief:**	1 metres
Elem. Type:	Plain	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition   Firm

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification:
N/A

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy5.42
Great Soil Group: N/A

Site
Vegetation: Complete clearing. Pasture, native or improved, cultivated at some stage

Surface Coarse
Profile 2-10%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments

A1 Loose	0 - 0.05 m	Dark brown (10YR3/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A2e Loose	0.05 - 0.25 m	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21t Medium clay; pH 6.5	0.25 - 0.6 m	Brownish yellow (10YR6/8-Moist); Mottles, 10YR61, 20-50% , 15-30mm, Prominent; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field (Raupach); Common, very fine (0-1mm) roots; Clear change to -
B22t Weak grade of fine (0-1mm)	0.6 - 1 m	Brownish yellow (10YR6/6-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Faint; Medium clay; structure; Rough-ped fabric; Dry; Firm consistence; Field pH 6.5 (Raupach); Few, very roots;

Morphological Notes
Observation Notes
Site Notes
McKenzie Road

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m				Cmol (+)/kg				%
0 - 0.11	4.67B									
0.16 - 0.26	4.74B									
0.25 - 0.6	5.5B	9B	2.64A	4.44	0.06	0.97			8.11D	

Depth		CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density				

6.5H
| 0.25 - 0.6 | 5.5B | 9B | 2.64A | 4.44 | 0.06 | 0.97 | | | | 8.11D | |
6.5H
| 0.41 - 0.51 | 5.6B | | | | | | | | | | |

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%	

0 - 0.11
0.16 - 0.26
0.25 - 0.6
0.25 - 0.6
0.41 - 0.51

Laboratory Analyses Completed for this profile

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	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
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_gt2m	> 2mm particle size analysis, (method not recorded)