

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0388 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Heather Percy	<b>Locality:</b>	
<b>Date Desc.:</b>	10/08/92	<b>Elevation:</b>	300 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6249130 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	542740 Datum: AGD84	<b>Drainage:</b>	Imperfectly drained

#### Geology

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

#### Land Form

**Rel/Slope Class:** Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

<b>Morph. Type:</b>	Flat	<b>Relief:</b>	80 metres
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

#### Surface Soil Condition Soft

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

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached-Mottled Natric Yellow Kurosol	<b>Principal Profile Form:</b>	Dy5.41
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

**Site** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

**Surface Coarse** No surface coarse fragments; No surface coarse fragments

#### Profile

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Loose consistence;
		Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
A12	0.1 - 0.25 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose
		consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A2e	0.25 - 0.45 m	Very pale brown (10YR7/3-Moist); Mottles, 10YR66, 2-10% , 15-30mm, Distinct; Coarse sand; Single
		grain grade of structure; Wet; Loose consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots;
		Abrupt change to -
B2t	0.45 - 0.8 m	Brownish yellow (10YR6/5-Moist); Mottles, 2.5YR47, 20-50% , 5-15mm, Prominent; Mottles, 10YR71,
		10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately
		moist; Firm consistence; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B3	0.8 - 1 m	Light grey (2.5Y7/2-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Prominent; Fine sandy light clay;
		Moderate grade of structure; Rough-ped fabric; Moist; Firm consistence; Field pH 6 (Raupach); Few,
		fine (1-2mm) roots;

#### Morphological Notes

A2e	Water entered at base of this layer
B2t	Sampled ESP & pH 1:5. Top 5cm had complete dispersion.
B3	Water entered in this layer

#### Observation Notes

#### Site Notes

Etna Road - flat topped yate tend to be in low lying spots

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.11	4.69B									
0.16 - 0.26	4.46B									
0.36 - 0.46	5.06B									
0.45 - 0.8	4.7B	49B	0.71H	5.52	<0.02	1	0.03J		7.24D	
	5.3H									
0.45 - 0.8	4.7B	49B	0.71H	5.52	<0.02	1	0.03J		7.24D	
	5.3H									

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.11											
0.16 - 0.26											
0.36 - 0.46											
0.45 - 0.8											
0.45 - 0.8											

**Laboratory Analyses Completed for this profile**

15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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 (Mn <sup>2+</sup> ) 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
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)