

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0106 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 14/11/91	<b>Elevation:</b> 350 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6261490 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 555670 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> Mid-slope	<b>Relief:</b> 50 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 4 %	<b>Aspect:</b> 45 degrees

**Surface Soil Condition** Hardsetting, Hardsetting

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

**Soil Classification**

<b>Australian Soil Classification:</b> N/A	<b>Mapping Unit:</b> N/A
<b>ASC Confidence:</b> Confidence level not specified	<b>Principal Profile Form:</b> Dy3.21
	<b>Great Soil Group:</b> N/A

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

**Vegetation:**

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

**Profile**

A11 0 - 0.05 m	Brown (7.5YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure;
Moderately moist; Field	pH 6 (Raupach); Abundant, fine (1-2mm) roots; Abrupt change to -
A12 0.05 - 0.23 m	Reddish brown (5YR4/4-Moist); , 0-0% ; Loamy coarse sand; Massive grade of structure;
Dry; 2-10%, ,	coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules;
Field pH 6	(Raupach); Many, fine (1-2mm) roots; Clear change to -
A2 0.23 - 0.3 m	Reddish yellow (7.5YR6/5-Moist); , 0-0% ; Loamy coarse sand; Massive grade of
structure; Dry; 10-20%,	, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm),
Nodules; Field pH 6	(Raupach); Few, fine (1-2mm) roots; Clear change to -
B21 0.3 - 0.62 m	Yellowish red (5YR5/6-Moist); Mottles, 5Y52, 10-20% , 0-5mm, Distinct; Medium heavy
clay; Strong	grade of structure; Rough-ped fabric; Dry; 2-10%, , coarse fragments; Few (2 - 10 %),
	Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5 (Raupach);

**Morphological Notes**

A12	F R GC
A2	F,M R GC
B21	F R GC SAMPLED +MS

**Observation Notes**

**Site Notes**

Downslope of laterite. Colluvial sand may be windblown.

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
				Mg K		Acidity			

m	dS/m		Cmol (+)/kg						%
0.3 - 0.62	4.2B	4B	0.92H	3.98	0.02	1.24	1.32J	6.16D	
	6.1H								
0.3 - 0.62	4.2B	4B	0.92H	3.98	0.02	1.24	1.32J	6.16D	
	6.1H								

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3				%	
0.3 - 0.62										58I		5
37												
0.3 - 0.62										58I		5
37												

#### **Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - 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	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 (Mn2+) 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)
P10_Nr_C	Clay (%) - Not recorded
P10_Nr_S	Sand (%) - Not recorded
P10_Nr_Z	Silt (%) - Not recorded