

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0131 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 27/11/91	<b>Elevation:</b> 300 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6270150 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 556110 Datum: AGD84	<b>Drainage:</b> Poorly 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:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

<b>Morph. Type:</b> Mid-slope	<b>Relief:</b> 10 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 2 %	<b>Aspect:</b> 180 degrees

**Surface Soil Condition** Loose

**Erosion:** (wind); (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> Dg3.1
	<b>Great Soil Group:</b> N/A

**Site** Limited clearing, for example selective logging

**Vegetation:**

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

**Profile**

A11 0 - 0.05 m Dry; Water	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; repellent; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -
A12 0.05 - 0.1 m repellent; Field	Dark grey (10YR4/1-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; Water pH 6.5 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -
B21c 0.1 - 0.3 m Strong grade of Ferruginous, change to -	Very pale brown (10YR7/3-Moist); Mottles, 5YR58, 2-10% , 0-5mm, Faint; Medium clay; structure; Rough-ped fabric; Dry; 50-90%, Quartz, coarse fragments; Many (20 - 50 %), Fine (0 - 2 mm), Nodules; Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Gradual
B22c 0.3 - 0.4 m medium clay; Many (20 - 50 (0-1mm) roots;	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR76, 2-10% , 0-5mm, Faint; Sandy Moderate grade of structure; Rough-ped fabric; Dry; 50-90%, Quartz, coarse fragments; %), Ferruginous, Fine (0 - 2 mm), Nodules; Field pH 7.5 (Raupach); Common, very fine

**Morphological Notes**

B21c F QZ & R IS SAMPLED  
 B22c F QZ & R IS

**Observation Notes**

**Site Notes**

Hardsetting on nearby track (ie disturbed)

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0.1 - 0.3	5.6B 6.4H	22B	2.9H	5.05	0.24	1.1	<0.02J	9.29D	
0.1 - 0.3	5.6B 6.4H	22B	2.9H	5.05	0.24	1.1	<0.02J	9.29D	

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				%
0.1 - 0.3 33									63.5I		3.5
0.1 - 0.3 33									63.5I		3.5

#### Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	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