

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0114 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 18/11/91	<b>Elevation:</b> 379 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6261270 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 547680 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> 80 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 5 %	<b>Aspect:</b> 0 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> Dy3.41
	<b>Great Soil Group:</b> N/A

**Site** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**

**Surface Coarse** 20-50%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragments

**Profile**

A11	0 - 0.05 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Dry; 20-50%, Abrupt change to -
2A12	0.05 - 0.2 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Moist; 10-20%, Quartz, change to -
2A2e	0.2 - 0.5 m	Brown (10YR5/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moderately moist; 10-20%, Ironstone, coarse fragments; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
2B21	0.5 - 0.55 m	Greyish brown (2.5Y5/3-Moist); Mottles, 7.5YR68, 20-50% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 0-2%, Quartz, coarse fragments; Field pH 6 (Raupach); Abrupt change to -
2B22t	0.55 - 0.65 m	Yellowish brown (10YR5/4-Moist); Mottles, 10R46, 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 0-2%, Ironstone, coarse fragments; Field pH 5.5 (Raupach); Clear change to -
2B3	0.65 - 0.95 m	Yellowish brown (10YR5/4-Moist); Mottles, 10R46, 10-20% , 5-15mm, Distinct; Coarse sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; 0-2%, Ironstone, coarse fragments; Field pH 4.5 (Raupach);

**Morphological Notes**

A11 F,M S QZ

2A12	F S QZ & M U IS +KS
2A2e	F U IS & S QZ
2B21	F IS & QZ SAMPLED
2B22t	F S IS SAMPLED +MS
2B3	F IS & M QZ

### Observation Notes

### Site Notes

Sheet erosion - deposited

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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				%
0.5 - 0.65	5.2B 6H	22B	0.94H	3.35	0.06	1.34	<0.02J		5.69D	
0.5 - 0.65	5.2B 6H	22B	0.94H	3.35	0.06	1.34	<0.02J		5.69D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.5 - 0.65								56.5l 7
36.5								
0.5 - 0.65								56.5l 7
36.5								

### Laboratory Analyses Completed for this profile

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