

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0488 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 22/09/92	<b>Elevation:</b> 271 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6241790 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 581450 Datum: AGD84	<b>Drainage:</b> Moderately well 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> Upper-slope	<b>Relief:</b> 25 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 3 %	<b>Aspect:</b> 90 degrees

#### Surface Soil Condition Soft

**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> Dr4.21
	<b>Great Soil Group:</b> N/A

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

#### Vegetation:

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

#### Profile

A1	0 - 0.12 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Clayey sand; Weak grade of structure, 50-100 mm, Subangular
		blocky; Rough-ped fabric; Wet; Loose consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots;
		Abrupt, Smooth change to -
A2	0.12 - 0.25 m	Yellowish red (5YR5/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
		Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Many (20 - 50 %), Ferruginous,
		Medium (2 -6 mm), Concretions; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Clear
		change to -
B2t	0.25 - 0.45 m	Red (2.5YR4/6-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped fabric;
		Moderately moist; Very firm consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots;
		Clear change to -
C1	0.45 - 0.5 m	Yellowish red (5YR5/8-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure; Dry; Weak
		consistence; 50-90%, medium gravelly, 6-20mm, subangular, Granite, coarse fragments; Field pH 5
		(Raupach);
C2	0.5 - 0.6 m	Reddish yellow (7.5YR6/8-Moist); Substrate influence, 10YR81, 10-20% , 5-15mm,
		Distinct; Coarse sandy loam; Massive grade of structure; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm,
		subrounded, Granite, coarse fragments; Field pH 5.5 (Raupach);

#### Morphological Notes

C2 Could not be augered. Weathered rock

#### Observation Notes

#### Site Notes

Clear Hills Road - 10m upslope of roaded catchment similar to site 483

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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	5.02B									
0.16 - 0.26	4.56B									
0.25 - 0.45	4.3B	9B	0.84H	6.16	0.08	2.22	0.84J		9.3D	
	5.8H									
0.25 - 0.45	4.3B	9B	0.84H	6.16	0.08	2.22	0.84J		9.3D	
	5.8H									
0.36 - 0.46	3.98B									

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 - 0.11								
0.16 - 0.26								
0.25 - 0.45								
0.25 - 0.45								
0.36 - 0.46								

**Laboratory Analyses Completed for this profile**

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)