

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0071 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Heather Percy  
**Date Desc.:** 25/10/91  
**Map Ref.:**  
**Northing/Long.:** 6260890 AMG zone: 50  
**Easting/Lat.:** 587520 Datum: AGD84  
**Locality:**  
**Elevation:** 309 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Well drained

#### Geology

**ExposureType:** Auger boring  
**Geol. Ref.:** No Data  
**Conf. Sub. is Parent. Mat.:** No Data  
**Substrate Material:** No Data

#### Land Form

**Rel/Slope Class:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

**Morph. Type:** Mid-slope  
**Elem. Type:** Hillslope  
**Slope:** 2 %  
**Relief:** 20 metres  
**Slope Category:** No Data  
**Aspect:** 225 degrees

#### Surface Soil Condition Soft

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

#### Soil Classification

**Australian Soil Classification:** N/A  
**ASC Confidence:** Confidence level not specified  
**Mapping Unit:** N/A  
**Principal Profile Form:** Dy4.81  
**Great Soil Group:** N/A

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

#### Vegetation:

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

#### Profile

**A11** 0 - 0.12 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure;  
 Dry; 0-2%, Ironstone, coarse fragments; Water repellent; Field pH 6 (Raupach);  
 Abundant, fine (1-2mm) roots; Clear change to -  
**A12** 0.12 - 0.25 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Dry; 50-90%,  
 90%, Ironstone, coarse fragments; Very many (50 - 100 %), Ferruginous, Very coarse (20 - 60 mm),  
 Nodules; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -  
**A2ec** 0.25 - 0.43 m Pale brown (10YR6/3-Moist); , 0-0% ; Single grain grade of structure; Dry; 50-90%,  
 Ironstone, coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach);  
 Common, fine (1-2mm) roots; Abrupt change to -  
**B2tc** 0.43 - 0.55 m Reddish yellow (7.5YR6/6-Moist); , 0-0% ; Massive grade of structure; Rough-ped fabric;  
 Dry; 50-90%,  
 Ironstone, coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm),  
 Nodules; Field pH 6 (Raupach); Few, medium (2-5mm) roots;

#### Morphological Notes

**A11** M R GC  
**A12** M,C U GC  
**A2ec** M,C U GC +KS  
**B2tc** M U IS SAMPLED +SLC

#### Observation Notes

#### Site Notes

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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				%
0.43 - 0.55	5.7B 6.9H	7B	1.66H	2.31	0.19	0.56	<0.02J		4.72D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt %
0.43 - 0.55								76.5l 3.5
20								
0.43 - 0.55								76.5l 3.5
20								

**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