

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0065 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Heather Percy **Locality:**  
**Date Desc.:** 23/10/91 **Elevation:** 289 metres  
**Map Ref.:** **Rainfall:** No Data  
**Northing/Long.:** 6268080 AMG zone: 50 **Runoff:** No Data  
**Easting/Lat.:** 592740 Datum: AGD84 **Drainage:** Imperfectly drained

**Geology**

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

**Land Form**

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

**Morph. Type:** Lower-slope **Relief:** 20 metres  
**Elem. Type:** Hillslope **Slope Category:** No Data  
**Slope:** 2 % **Aspect:** 180 degrees

**Surface Soil Condition** Recently cultivated

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

**Soil Classification**

**Australian Soil Classification:** **Mapping Unit:** N/A  
 N/A **Principal Profile Form:** Dy2.12  
**ASC Confidence:** **Great Soil Group:** N/A  
 Confidence level not specified

**Site** Cultivation. Rainfed

**Vegetation:**

**Surface Coarse** 10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragments

**Profile**

Ap 0 - 0.15 m Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Sandy  
 (grains prominent) fabric; Dry; 10-20%, Quartz, coarse fragments; Field pH 6 (Raupach);  
 Common, fine  
 (1-2mm) roots; Abrupt change to -  
 B2t 0.15 - 0.32 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Medium clay; Moderate grade of structure, Columnar;  
 Rough-ped fabric; Dry; Field pH 6 (Raupach); Few, medium (2-5mm) roots;

**Morphological Notes**

Ap F A QZ  
 B2t HARD TO DIG.SAMPLED.+S

**Observation Notes**

**Site Notes**

Hardsetting when not cultivated. Thin layer (<1cm) of bleached sand over the clay

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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				%
0.15 - 0.32	5.5B 7.1H	5B	1.9H	1.89	0.08	0.83	<0.02J		4.7D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
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m	%	Clay %	mg/kg	%	%	%	Mg/m3	%
0.15 - 0.32							67l	8
25								
0.15 - 0.32							67l	8
25								

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

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