

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0075 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Heather Percy **Locality:**  
**Date Desc.:** 25/10/91 **Elevation:** 289 metres  
**Map Ref.:** **Rainfall:** No Data  
**Northing/Long.:** 6265890 AMG zone: 50 **Runoff:** No Data  
**Easting/Lat.:** 587730 Datum: AGD84 **Drainage:** Moderately well 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:** 1 % **Aspect:** 0 degrees

#### Surface Soil Condition Hardsetting, Hardsetting

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

#### Soil Classification

**Australian Soil Classification:** **Mapping Unit:** N/A  
 N/A **Principal Profile Form:** Dy3.43  
**ASC Confidence:** **Great Soil Group:** N/A  
 Confidence level not specified

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

#### Vegetation:

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

#### Profile

A11 0 - 0.08 m Light grey (10YR7/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure;  
 Dry; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Sharp change to -  
 A12 0.08 - 0.18 m Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;  
 Dry; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -  
 A2e 0.18 - 0.5 m Brown (10YR5/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately  
 moist; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear change to -  
 B21 0.5 - 0.8 m Brownish yellow (10YR6/6-Moist); Mottles, 2.5Y73, 10-20% , 5-15mm, Faint; Medium  
 clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 8 (Raupach); Few, fine  
 (1-2mm) roots;

#### Morphological Notes

B21 pH,EC,SLAK,DISP AT 50CM AT 80CM. SAMPLED +S

#### Observation Notes

#### Site Notes

Has a layer of wind blown sand on surface

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#### Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Cmol (+)/kg	Acidity			%
0.5 - 0.8	5.8B 6.2H	84B	2.36H	3.18	0.1	3.3	<0.02J		8.94D	

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Depth	CaCO <sub>3</sub>	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m <sup>3</sup>			%	
0.5 - 0.8									52I		5.5
42.5											
0.5 - 0.8									52I		5.5
42.5											

#### **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 (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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 (Mn <sup>2+</sup> ) 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