

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0489 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 22/09/92	Elevation: 253 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6239540 AMG zone: 50	Runoff: No Data
Easting/Lat.: 582510 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: Flat	Relief: 25 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy5.43
	Great Soil Group: N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 Loose	0 - 0.05 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Moist; consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -
A2e Loose	0.05 - 0.12 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Moist; consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Wavy change to -
B21 medium clay;	0.12 - 0.2 m	Yellowish red (5YR4/6-Moist); Mottles, 10YR64, 10-20% , 5-15mm, Faint; Sandy light Strong grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 8.5 (Raupach); Many, fine (1-2mm) roots; Clear change to -
B22 Sandy medium	0.2 - 0.5 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR56, 20-50% , 5-15mm, Distinct; clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
B23k Light clay;	0.5 - 0.7 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR56, 20-50% , 5-15mm, Distinct; Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Concretions; Few (2 - 10 %), Calcareous, Extremely mm), Concretions; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach); Few, very roots; Clear change to -
B3k Moderate	0.7 - 0.8 m	Pale yellow (2.5Y7/3-Moist); Mottles, 7.5YR56, 10-20% , 5-15mm, Distinct; Medium clay; grade of structure; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Extremely coarse (> 60 mm), Concretions; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach);

Morphological Notes**Observation Notes****Site Notes**

Pallinup Road - on roadside

Project Name: Katanning land resources survey**Project Code: KLC Site ID: 0489****Observation 1****Agency Name: Agriculture Western Australia****Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Na				%
						Cmol (+)/kg				
0 - 0.11	6.53B									
0.13 - 0.21	6.59B									
0.12 - 0.3	7.2B	35B	1.29E	6.19	0.46	3.12		12B	11.06D	26.00
	8.4H									
0.12 - 0.3	7.2B	35B	1.29E	6.19	0.46	3.12		12B	11.06D	26.00
	8.4H									
0.12 - 0.3	7.2B	35B	1.29E	6.19	0.46	3.12		12B	11.06D	26.00
	8.4H									
0.41 - 0.51	8.06B									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
								%
0 - 0.11								
0.13 - 0.21								
0.12 - 0.3	<2C							
0.12 - 0.3	<2C							
0.12 - 0.3	<2C							
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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)