

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1949 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 25/08/94
Map Ref.:
Northing/Long.: 6267550 AMG zone: 50
Easting/Lat.: 484900 Datum: AGD84
Locality:
Elevation: 250 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly 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: Footslope
Slope: 3 %
Relief: 20 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Loose, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dg4.41
ASC Confidence: Confidence level not specified
Great Soil Group: 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 - 0.1 m	Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Field pH 6 (Raupach);
		Abrupt change to -
A2e	0.1 - 0.2 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Wet; Field pH 6.5 (Raupach); Gradual change to -
B1e	0.2 - 0.3 m	Light grey (10YR7/2-Moist); , 0-0% ; Sandy clay loam; Wet; Field pH 6.5 (Raupach); Clear change to -
B2	0.3 - 0.45 m	Pale yellow (2.5Y7/3-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Distinct; Medium clay; Moderate
		grade of structure; Wet; Field pH 6.5 (Raupach); Clear change to -
B3	0.45 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5Y73, 20-50% , 5-15mm, Distinct; Light clay; Weak grade
		of structure; Moist; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments;
		Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.5 (Raupach);

Morphological Notes

B2 Kaolinitic clay.

Observation Notes

Site Notes

Site along track off Round Pool Road.

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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			%

0.3 - 0.45	5.4B 5.9H	19B	0.54H	3.5	0.12	0.88	<0.02J	5.04D
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Depth	CaCO ₃	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 ³			%	
0.3 - 0.45 65									29.5l		5.5

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 ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded