

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1961 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/08/94	Elevation: 260 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6271790 AMG zone: 50	Runoff: No Data
Easting/Lat.: 485030 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: Mid-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 180 degrees

Surface Soil Condition Loose

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: Dy5.21
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1 0 - 0.12 m Moist; Field	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sand; Single grain grade of structure; pH 6 (Raupach); Clear change to -
A21 0.12 - 0.3 m structure; Moist;	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Coarse sand; Single grain grade of Field pH 6.5 (Raupach);
A22 0.3 - 0.5 m structure; Wet; Few Abrupt change	Light yellowish brown (2.5Y6/4-Moist); , 0-0% ; Coarse sand; Single grain grade of (2 - 10 %), Ferruginous, Medium (2 -6 mm), Soft segregations; Field pH 6.5 (Raupach); to -
B2 0.5 - 0.7 m 5YR46, 2-10% , fabric; Wet; Field	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Distinct; , 5-15mm, Distinct; Coarse sandy light clay; Moderate grade of structure; Rough-ped pH 6 (Raupach); Abrupt change to -
B3 0.7 - 0.8 m loam, coarse	Yellowish brown (10YR5/8-Moist); Mottles, 10YR72, 10-20% , 5-15mm, Distinct; Clay sandy; Massive grade of structure; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

A1	pH<6
B2	Very slight dispersion.

Observation Notes

Site Notes

Site along road reserve of Caphorne Road.

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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				%
0.5 - 0.7	5.1B 6H	3B	0.84H	2	0.07	0.23	0.02J		3.14D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.5 - 0.7 30								66I 4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded