

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1771 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 22/06/94
Map Ref.:
Northing/Long.: 6328090 AMG zone: 50
Easting/Lat.: 474200 Datum: AGD84
Locality:
Elevation: 325 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 5 %
Relief: 40 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:
 Ferric Mesotrophic Yellow Chromosol
ASC Confidence:
 Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: Dy5.62
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, subrounded, ; 2-10%, , subangular,

Ferricrete

Profile

<p>A1 0 - 0.1 m Moderately moist; gravelly, 6-20mm,</p>	<p>Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -</p>
<p>A2 0.1 - 0.45 m 50%, fine subrounded, ,</p>	<p>Light yellowish brown (10YR6/4-Moist); , 0-0% ; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, coarse fragments; Field pH 6.5 (Raupach); Abrupt change to -</p>
<p>B1c 0.45 - 0.55 m clay loam; coarse fragments;</p>	<p>Reddish yellow (7.5YR6/8-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; Sandy Massive grade of structure; Moist; 50-90%, medium gravelly, 6-20mm, subrounded, , Field pH 7 (Raupach); Abrupt change to -</p>
<p>B2c 0.55 - 0.75 m loam, coarse change to -</p>	<p>Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 10-20% , 15-30mm, Distinct; Clay sandy; Massive grade of structure; Moderately moist; Field pH 7 (Raupach); Abrupt</p>
<p>C 0.75 - 0.8 m Distinct; , 10YR81, Moderately moist;</p>	<p>Yellowish brown (10YR5/6-Moist); Substrate influence, 2.5YR46, 10-20% , 15-30mm, 10-20% , 15-30mm, Prominent; Light clay; Weak grade of structure; Rough-ped fabric; Field pH 7 (Raupach);</p>

Morphological Notes

C Kaolinitic clay.

Observation Notes

Site Notes

Site along Higham Road reserve.

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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				%
0.55 - 0.75	5.8B 6.4H	2B	0.62H	0.81	0.04	0.06	<0.02J		1.53D	

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
0.55 - 0.75 30								64I 6

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