

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1835 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy **Locality:**
Date Desc.: 06/07/94 **Elevation:** 280 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6281660 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 561200 Datum: AGD84 **Drainage:** Imperfectly drained

Geology

Exposure Type: 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:** 10 metres
Elem. Type: Footslope **Slope Category:** No Data
Slope: 1 % **Aspect:** 180 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 N/A **Principal Profile Form:** Dy5.11
ASC Confidence: **Great Soil Group:** N/A
 Confidence level not specified

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	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Abrupt change to -
A3	0.1 - 0.3 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -
B21	0.3 - 0.4 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Clear change to -
B22	0.4 - 0.6 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR56, 10-20% , 15-30mm, Distinct; , 2.5YR46, 2-10% , 0-5mm, Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along Jam Hills Road reserve.

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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 - 0.1	5.2B	11B							

0.15 - 0.25	5.9H	85B							
	5.6B								
	6.1H								
0.3 - 0.5	5.4B	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.8H								
	5.4B								
0.3 - 0.5	5.8H	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.4B								
	5.8H								
0.3 - 0.5	5.4B	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.8H								
	5.4B								
0.3 - 0.5	5.8H	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.4B								
	5.8H								
0.3 - 0.5	5.4B	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.8H								
	5.4B								
0.3 - 0.5	5.8H	130B	0.45H	0.13	0.03	<0.02	0.04J		0.62D
	5.4B								
	5.8H								
0.4 - 0.5	5.4B	160B							
	5.6H								

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 - 0.1								
0.15 - 0.25								
0.3 - 0.5								63.5I 6.5
30								63.5I 6.5
0.3 - 0.5								30 63.5I 6.5
30								63.5I 6.5
0.3 - 0.5								30 63.5I 6.5
30								63.5I 6.5
0.3 - 0.5								30 63.5I 6.5
30								63.5I 6.5
0.3 - 0.5								30 63.5I 6.5
30								63.5I 6.5
0.4 - 0.5								30 63.5I 6.5

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	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