

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2325 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 24/08/95
Map Ref.:
Northing/Long.: 6243070 AMG zone: 50
Easting/Lat.: 584720 Datum: AGD84
Locality:
Elevation: 280 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 0 %
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Recently cultivated

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

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dg4.42
Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragments

Profile

A1	0 - 0.08 m	Dark grey (10YR4/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist;
		Field pH 5.5 (Raupach); Abrupt, Wavy change to -
A2e	0.08 - 0.1 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately
		moist; Field pH 6 (Raupach); Abrupt, Wavy change to -
B21	0.1 - 0.35 m	Pale yellow (2.5Y7/3-Moist); Mottles, 2.5YR46, 20-50% , 5-15mm, Distinct; Sandy medium clay;
		Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Field pH 6 (Raupach); Clear
		change to -
B22	0.35 - 0.55 m	Light grey (2.5Y7/2-Moist); Mottles, 10YR63, 10-20% , 15-30mm, Faint; Sandy medium clay; Strong
		grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 6 (Raupach);
		Gradual change to -
B3	0.55 - 0.65 m	Light grey (2.5Y7/2-Moist); , 0-0% ; Sandy light medium clay; Weak grade of structure; Dry; Very firm
		consistence; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Brenda Shackley's wheat agronomy trial site along Clear Hills Road.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
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m	dS/m	Ca	Mg	K	Na	Acidity		%
0 - 0.08	4.4B	10B	1.93H	0.61	0.12	0.27	0.25J	2.93D
	5.3H							
0 - 0.08	4.4B	10B	1.93H	0.61	0.12	0.27	0.25J	2.93D
	5.3H							
0 - 0.08	4.4B	10B	1.93H	0.61	0.12	0.27	0.25J	2.93D
	5.3H							
0 - 0.1	4.4B							
0.1 - 0.3	4.4B	10B	1.08H	2.92	0.1	1.23	0.24J	5.33D
	5.8H							
0.1 - 0.3	4.4B	10B	1.08H	2.92	0.1	1.23	0.24J	5.33D
	5.8H							
0.1 - 0.3	4.4B	10B	1.08H	2.92	0.1	1.23	0.24J	5.33D
	5.8H							
0.15 - 0.25	4.5B							
0.4 - 0.5	4.9B							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.08		1.52D						88I 4.5
7.5								
0 - 0.08		1.52D						88I 4.5
7.5								
0 - 0.08		1.52D						88I 4.5
7.5								
0 - 0.1								
0.1 - 0.3		0.31D						54I 3
43								
0.1 - 0.3		0.31D						54I 3
43								
0.1 - 0.3		0.31D						54I 3
43								
0.15 - 0.25								
0.4 - 0.5								

Laboratory Analyses Completed for this profile

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 (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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded