

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1360 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 27/09/93	Elevation: 280 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6322230 AMG zone: 50	Runoff: No Data
Easting/Lat.: 575850 Datum: AGD84	Drainage: Imperfectly 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: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 2 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.23
	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

A1p pH 6	0 - 0.15 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; Field pH 6 (Raupach); Abrupt change to -
A2 Moderately	0.15 - 0.32 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; moist; Field pH 7 (Raupach); Abrupt change to -
B21 sandy light matrix is Slightly	0.32 - 0.6 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR72, 10-20% , 5-15mm, Distinct; Fine medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Soil calcareous; Field pH 9 (Raupach); Gradual change to -
B22 structure; Rough-ped change to -	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Light medium clay; Moderate grade of fabric; Moderately moist; Soil matrix is Slightly calcareous; Field pH 9 (Raupach); Gradual change to -
B23k Rough-ped matrix is	0.8 - 1 m	Yellowish brown (10YR5/5-Moist); , 0-0% ; Medium clay; Moderate grade of structure; fabric; Moderately moist; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Soil Slightly calcareous; Field pH 9 (Raupach);

Morphological Notes

A2	Fine sand in weak clayey medium sand
B21	Slight dispersion

Observation Notes

Site Notes

Site along Beynon 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 - 0.1	4.5B									
0.15 - 0.25	5.6B									
0.32 - 0.52	7.5B	44B	4.2E	3.55	0.3	1.41		12B	9.46D	11.75
	8.3H									
0.32 - 0.52	7.5B	44B	4.2E	3.55	0.3	1.41		12B	9.46D	11.75
	8.3H									
0.32 - 0.52	7.5B	44B	4.2E	3.55	0.3	1.41		12B	9.46D	11.75
	8.3H									
0.4 - 0.5	7.5B									

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 - 0.1											
0.15 - 0.25											
0.32 - 0.52	<2C								60.5l		4.5
0.32 - 0.52	<2C								60.5l		4.5
0.32 - 0.52	<2C								60.5l		4.5
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_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	
	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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_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