

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2330 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 25/08/95
Map Ref.:
Northing/Long.: 6292860 AMG zone: 50
Easting/Lat.: 527470 Datum: AGD84
Locality:
Elevation: 250 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly 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: Flat
Elem. Type: Valley flat
Slope: 0 %
Relief: 10 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Uf6.13
ASC Confidence: Confidence level not specified
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

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Light clay; Massive grade of structure; Moist; Field
		pH 7.5 (Raupach); Abrupt, Wavy change to -
B21	0.08 - 0.35 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped
		fabric; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Soil
		matrix is Moderately calcareous; Field pH 9.5 (Raupach); Clear change to -
B22k	0.35 - 0.6 m	Greyish brown (2.5Y5/2-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped
		fabric; Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft
		segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Soil matrix is Highly
		calcareous; Field pH 9.5 (Raupach); Clear change to -
B23	0.6 - 1 m	Greyish brown (2.5Y5/2-Moist); , 0-0% ; Medium clay; Dry; Soil matrix is Moderately calcareous;

Morphological Notes

Observation Notes

Site Notes

Pedro Evan's Douglas Trial Site Woodanilling

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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 - 0.08	6.2B	26B	5.94A	5.88	0.53	1.42			13.77D	

0 - 0.08	7.1H 6.2B	26B	5.94A	5.88	0.53	1.42			13.77D	
0 - 0.08	7.1H 6.2B	26B	5.94A	5.88	0.53	1.42			13.77D	
0.08 - 0.28	7.1H 8.1B 9H	51B	5E	6.68	0.81	4.6		17B	17.09D	27.06
0.08 - 0.28	8.1B 9H	51B	5E	6.68	0.81	4.6		17B	17.09D	27.06
0.08 - 0.28	8.1B 9H	51B	5E	6.68	0.81	4.6		17B	17.09D	27.06
0.08 - 0.28	8.1B 9H	51B	5E	6.68	0.81	4.6		17B	17.09D	27.06

Depth	CaCO ₃	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m ³	GV CS FS	Silt
0 - 0.08		1.51D						64.5I	14
21.5									
0 - 0.08		1.51D						64.5I	14
21.5									
0 - 0.08		1.51D						64.5I	14
21.5									
0.08 - 0.28		0.23D						56I	10
34									
0.08 - 0.28		0.23D						56I	10
34									
0.08 - 0.28		0.23D						56I	10
34									
0.08 - 0.28		0.23D						56I	10
34									

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_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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
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