

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1800 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/06/94	Elevation: 320 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6251120 AMG zone: 50	Runoff: No Data
Easting/Lat.: 590380 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Upper-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 5 %	Aspect: 45 degrees

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: Uf6.11
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, angular, Gneiss; 2-10%, , rounded, Gabbro

Profile

A11 0 - 0.05 m Sandy (grains)	Very dark grey (7.5YR3/1-Moist); , 0-0% ; Fine sandy loam; Massive grade of structure; prominent) fabric; Dry; Weak consistence; Field pH 8 (Raupach); Abrupt change to -
A12 0.05 - 0.25 m fabric; Dry;	Very dark grey (10YR3/1-Moist); , 0-0% ; Light clay; Strong grade of structure; Rough-ped Strong consistence; Field pH 9.5 (Raupach); Clear change to -
B1 0.25 - 0.35 m ped fabric; Gradual change	Very dark grey (10YR3/1-Moist); , 0-0% ; Medium clay; Strong grade of structure; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach); to -
B21k 0.35 - 0.6 m Rough-ped segregations; Soil	Very dark grey (10YR3/1-Moist); , 0-0% ; Medium heavy clay; Strong grade of structure; fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft matrix is Moderately calcareous; Field pH 9 (Raupach); Gradual change to -
B22 0.6 - 0.8 m structure; Smooth- (Raupach);	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Medium heavy clay; Strong grade of ped fabric; Dry; Strong consistence; Soil matrix is Moderately calcareous; Field pH 9

Morphological Notes

B22 Slickensides

Observation Notes

Site Notes

Site along Jackitup West Road reserve site located on a gabbro dyke running east-west approximately parallel to the 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			%
0.35 - 0.6			15E	11	0.48	13		35B	39.48D	37.14
0.35 - 0.6			15E	11	0.48	13		35B	39.48D	37.14
0.6 - 0.8			15K	12	0.2	11		36J	38.2D	30.56
0.6 - 0.8			15K	12	0.2	11		36J	38.2D	30.56

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
0.35 - 0.6								
0.35 - 0.6								
0.6 - 0.8								
0.6 - 0.8								

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - 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
P10_gt2m	> 2mm particle size analysis, (method not recorded)