

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0355 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Jaki Hogstrom	Locality:	
Date Desc.:	27/07/92	Elevation:	351 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6256010 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	549480 Datum: AGD84	Drainage:	Moderately well 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Crest	Relief:	25 metres
Elem. Type:	Summit surface	Slope Category:	No Data
Slope:	3 %	Aspect:	225 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy2.21
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, angular, Quartz; 2-10%, , angular, Quartz

Profile

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; Loose
		consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6
		(Raupach); Many, very fine (0-1mm) roots; Abrupt change to -
A2	0.05 - 0.15 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Loose
		consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6
		(Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B2t	0.15 - 0.5 m	Dark grey (10YR4/1-Moist); Substrate influence, 10YR82, 0-2% , 0-5mm, Distinct; Medium clay; Strong
		grade of structure; Smooth-ped fabric; Moderately moist; 2-10%, medium gravelly, 6-20mm, subangular,
		Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to
		-
R	0.5 - 0.6 m	Rock

Morphological Notes

B2t	pH=5.0 above quartz. Sampled for ESP
R	Very hard rocky layer (quartz)

Observation Notes

Site Notes

On Broomehill-Kojonup Rd. On a quartz seam "grey clay"

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable Acidity	CEC	ECEC	ESP
				Mg K					

m	dS/m	Cmol (+)/kg							%
0 - 0.11	5.03B								
0.15 - 0.5	4.2B	16B	1.22H	3.79	0.28	1.12	1.26J	6.41D	
	5.1H								
0.15 - 0.5	4.2B	16B	1.22H	3.79	0.28	1.12	1.26J	6.41D	
	5.1H								
0.16 - 0.26	4.25B								
0.41 - 0.51	3.63B								

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 - 0.11								
0.15 - 0.5								
0.15 - 0.5								
0.16 - 0.26								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

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
P10_gt2m	> 2mm particle size analysis, (method not recorded)