

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0780 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Jaki Hogstrom	Locality:	
Date Desc.:	10/05/93	Elevation:	322 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6305490 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	469460 Datum: AGD84	Drainage:	Well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4 %	Aspect:	225 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr5.22
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.1 m	Very dark brown (10YR2/2-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Dry; Loose
(Raupach);		consistence; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6
		Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -
A2	0.1 - 0.25 m	Brown (7.5YR4/3-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Dry; Loose
(Raupach);		consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6
		Abundant, fine (1-2mm) roots; Clear change to -
B1	0.25 - 0.45 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Light clay; Moderate grade of structure, Polyhedral; Rough-ped
fragments; Field pH 6		fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse (Raupach); Many, fine (1-2mm) roots; Clear change to -
B2	0.45 - 0.85 m	Yellowish brown (10YR5/8-Moist); Mottles, 10R46, 10-20% , 5-15mm, Distinct; , 10R32, 10-20% , 5-
Strong		15mm, Distinct; Light clay; Strong grade of structure, Polyhedral; Rough-ped fabric; Dry; consistence; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Gradual change to -
C	0.85 - 1 m	Pale yellow (2.5Y8/3-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Clayey sand; Massive grade
roots;		of structure; Moist; Weak consistence; Field pH 7 (Raupach); Common, fine (1-2mm)

Morphological Notes

B1 Black gravel

Observation Notes

Site Notes

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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				%
0.1 - 0.25	5.1B 6.4H	4B								
0.1 - 0.25	5.1B 6.4H	4B								
0.25 - 0.45	5B 6H	4B	1.08H	2.04	0.45	0.12	0.09J		3.69D	
0.25 - 0.45	5B 6H	4B	1.08H	2.04	0.45	0.12	0.09J		3.69D	
0.25 - 0.45	5B 6H	4B	1.08H	2.04	0.45	0.12	0.09J		3.69D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.1 - 0.25											
0.1 - 0.25											
0.25 - 0.45									64I		3.5
32.5											
0.25 - 0.45									64I		3.5
32.5											
0.25 - 0.45									64I		3.5
32.5											

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_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_BAS	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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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