Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0122** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 20/11/91
Map Ref.:
Northing/Long.: 6270660 AMG zone: 50
Easting/Lat.: 547620 Datum: AGD84
Locality:
Elevation: 340 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 45 metres
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy2.62
Great Soil Group: N/A

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

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, rounded, Ironstone; No surface coarse fragments

Profile

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy medium clay; Massive grade of structure; Dry; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Sharp change to -
2A1	0.05 - 0.19 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -
2A2	0.19 - 0.35 m	Brown (10YR4/3-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 10-20%, Quartz, coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
2B2t	0.35 - 0.5 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Coarse sandy light medium clay; Massive grade of structure; Rough-ped fabric; Dry; Field pH 6 (Raupach); Clear change to -
2C	0.5 - 0.7 m	Reddish yellow (7.5YR6/5-Moist); Substrate influence, 10YR81, 20-50% , 15-30mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6.5 (Raupach);
R	0.7 - m	Rock

Morphological Notes

A1	DISTURB. FROM ROADWORKS
2A2	F A QZ
2B2t	SAMPLED
R	HARD ROCK

Observation Notes

Site Notes

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0122 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0.35 - 0.5	5.6B 6.8H	3B	1.7H	1.52	0.15	0.21	<0.02J		3.58D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.35 - 0.5 16									77I		7
0.35 - 0.5 16									77I		7

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
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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded