Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0498** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	08/10/92	**Elevation:**	335 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6344040 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	517900 Datum: AGD84	**Drainage:**	Rapidly drained

Geology

ExposureType:	Soil pit	**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:	Mid-slope	**Relief:**	40 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	180 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:
Basic Regolithic Sequi-Nodular Tenosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Uc2.12
Great Soil Group: N/A

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

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A1 0 - 0.12 m Grey (10YR5/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Sharp, Wavy change to -

A21e 0.12 - 0.45 m White (2.5Y8/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Abrupt, Smooth change to -

A22ec 0.45 - 0.65 m Pale yellow (2.5Y7/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 50-90%, medium gravelly, 6-20mm, rounded, , coarse fragments; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt, Wavy change to -

B2cw 0.65 - 1.15 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Massive grade of structure; Moderately moist; Loose consistence; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

sheep camp on this soil

Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0498** **Observation** **1**
Agency Name: **Agriculture Western Australia**

Laboratory Test Results:

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

m		dS/m				Cmol (+)/kg			%
0 - 0.12	5.2B 6.2H	2B	0.81H	0.19	0.03	<0.02	0.04J		1.04D
0 - 0.1	5.2B 6.1H	6B							
0 - 0.12	5.2B 6.2H	2B	0.81H	0.19	0.03	<0.02	0.04J		1.04D
0 - 0.11	5.46B								
0 - 0.1	5.2B 6.1H	6B							
0.12 - 0.45	4.8B 5.8H	1B	0.08H	0.06	0.03	<0.02	0.09J		0.18D
0.12 - 0.45	4.8B 5.8H	1B	0.08H	0.06	0.03	<0.02	0.09J		0.18D
0.16 - 0.26	4.76B								
0.36 - 0.46	4.7B								
0.45 - 0.65	5B 6.1H	1B	0.18H	0.1	0.06	0.02	0.11J		0.36D
0.45 - 0.65	5B 6.1H	1B	0.18H	0.1	0.06	0.02	0.11J		0.36D
0.65 - 1.15	4.9B 5.8H	2B	0.92H	0.75	0.17	0.02	0.08J		1.86D
0.65 - 1.15	4.9B 5.8H	2B	0.92H	0.75	0.17	0.02	0.08J		1.86D
0.65 - 1.15	4.9B 5.8H	2B	0.92H	0.75	0.17	0.02	0.08J		1.86D

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.12		0.35D		63B	0.023E						1.5
0.5											
0 - 0.1		0.68D		100B	0.048E						
0 - 0.12		0.35D		63B	0.023E						1.5
0.5											
0 - 0.11											
0 - 0.1		0.68D		100B	0.048E						
0.12 - 0.45		0.08D		48B	0.005E						2.2
0.3											
0.12 - 0.45		0.08D		48B	0.005E						2.2
0.3											
0.16 - 0.26											
0.36 - 0.46											
0.45 - 0.65		0.1D		58B	0.006E						2
2.7											
0.45 - 0.65		0.1D		58B	0.006E						2
2.7											
0.65 - 1.15		0.15D		32B	0.01E						2.1
7.2											
0.65 - 1.15		0.15D		32B	0.01E						2.1
7.2											
0.65 - 1.15		0.15D		32B	0.01E						2.1
7.2											

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

Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0498** **Observation** **1**
Agency Name: **Agriculture Western Australia**

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
18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)