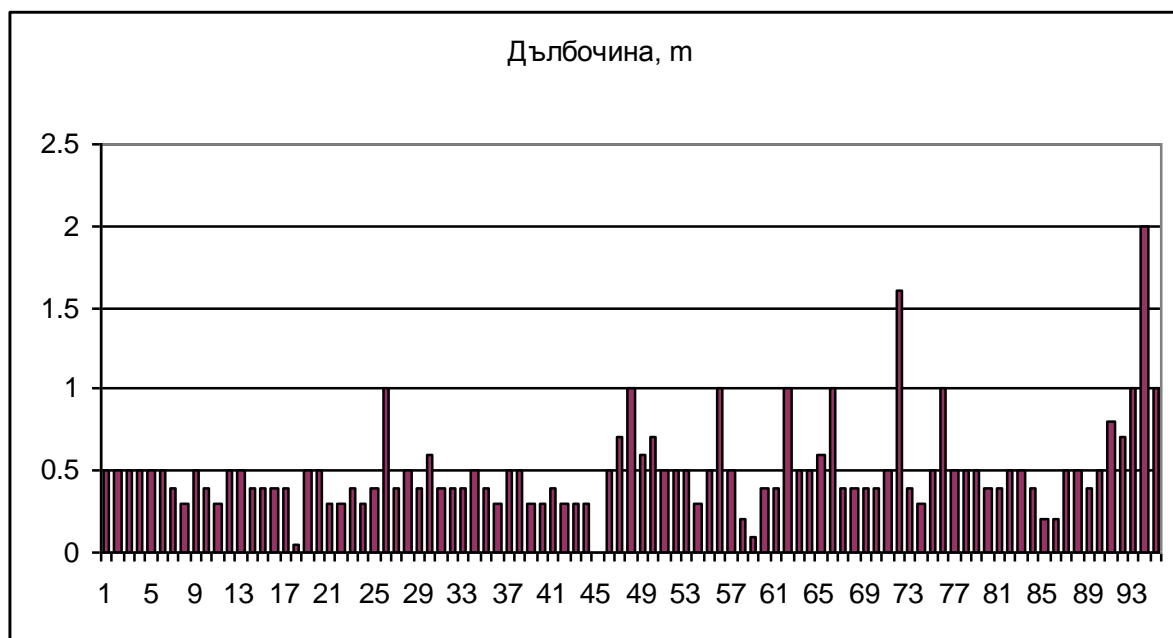
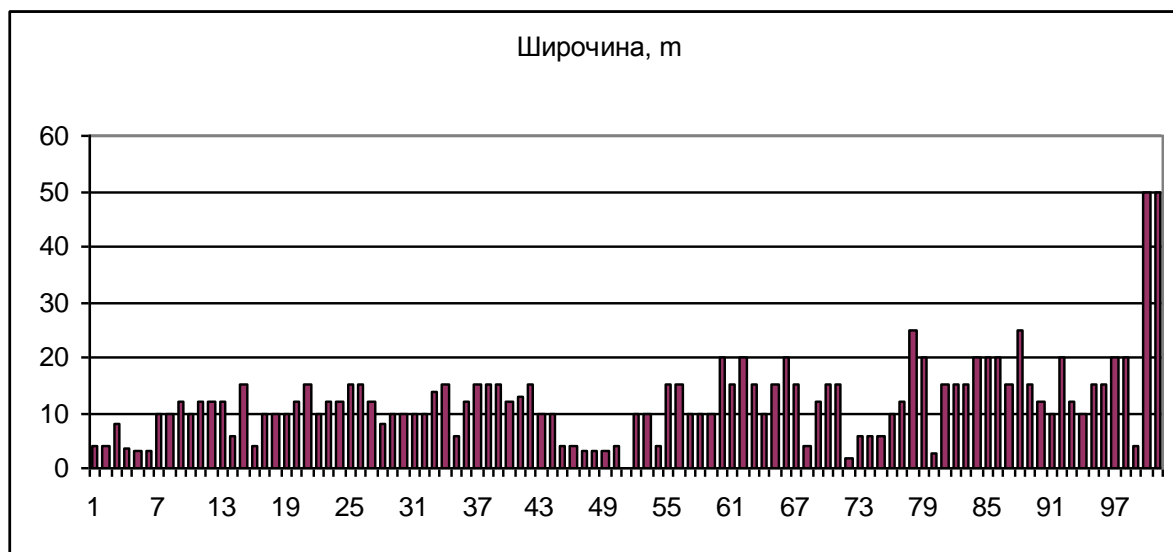
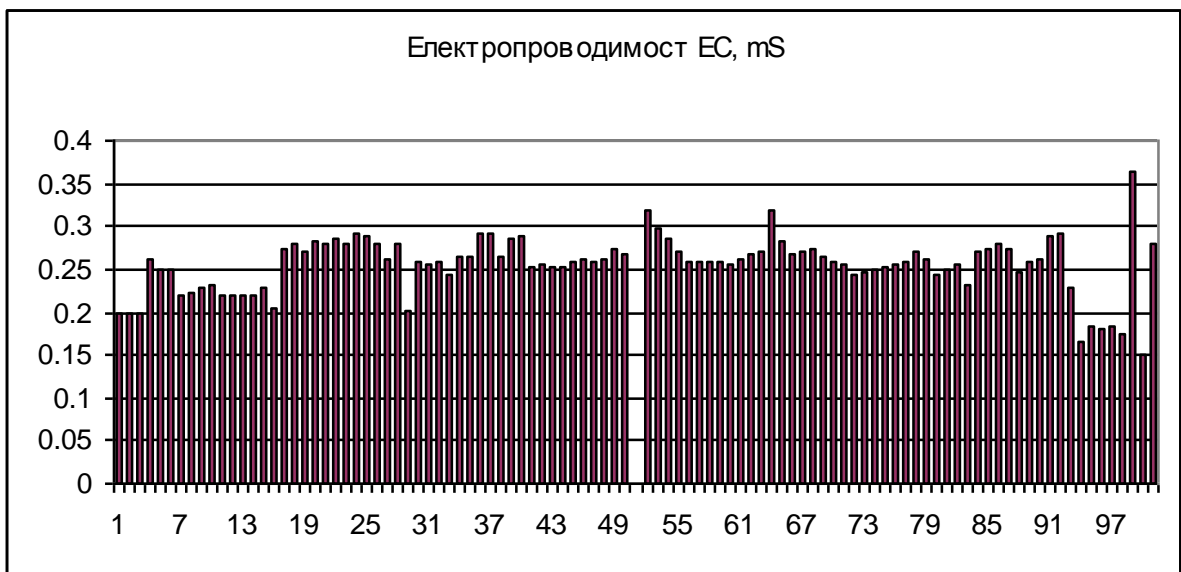
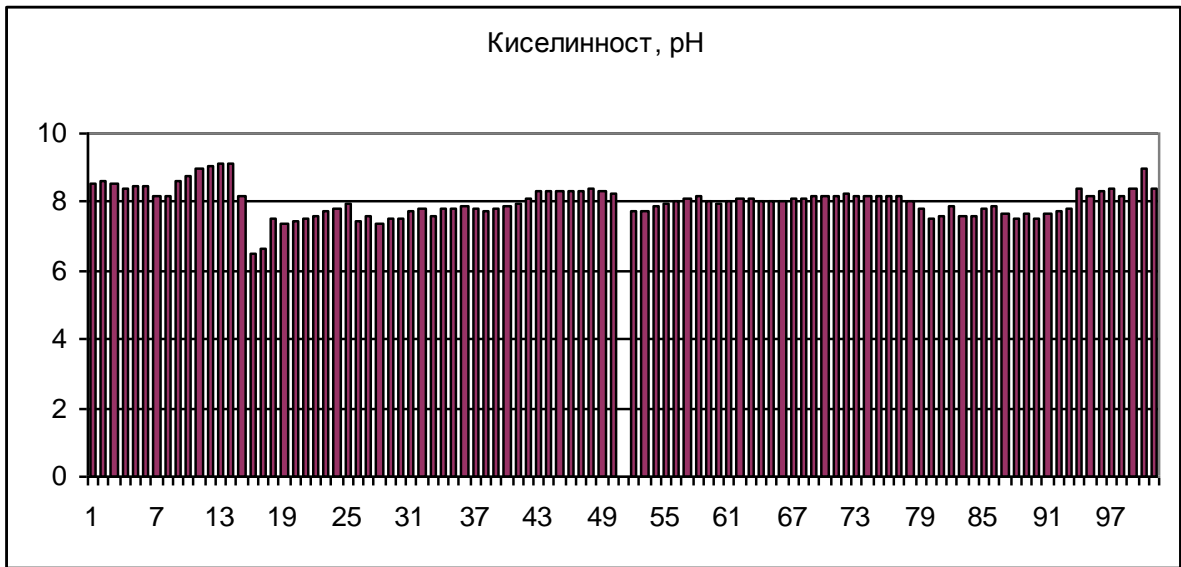
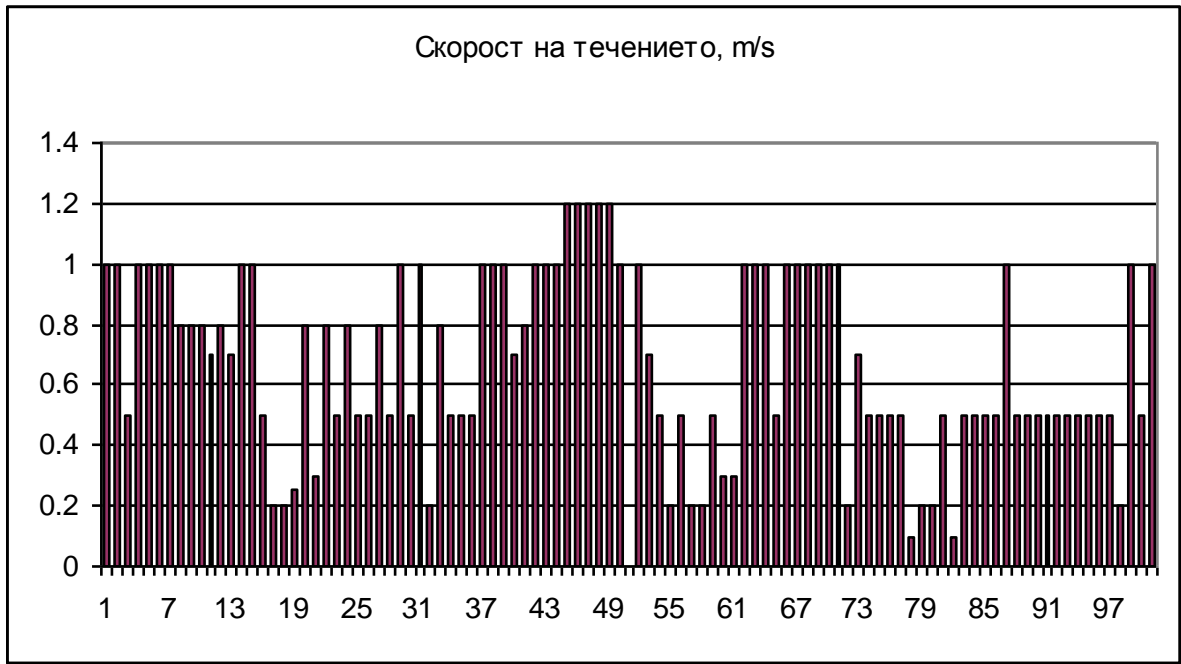


**ЕКОЛОГИЧЕН МОНИТОРИНГ НА РЕКА ДРАГОВИЩИЦА  
(ЛЕТЕН МОНИТОРИНГ 2015)  
ПРИЛОЖЕНИЕ СТАТИСТИКА**

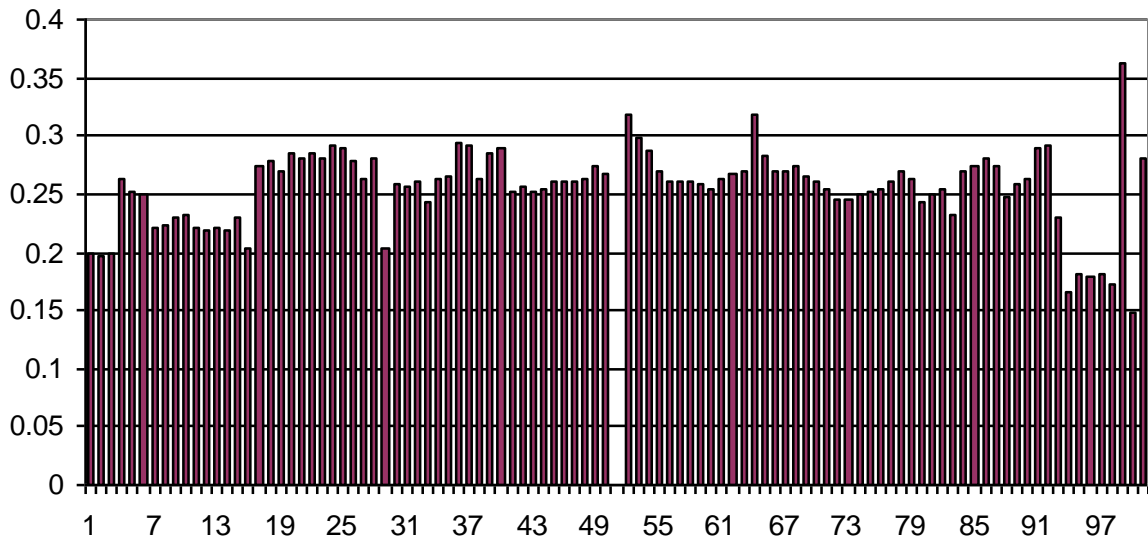
**Антон Сотиров, Георги Табаков, Валерия Стоичкова, Михаела Йерусалимова,  
Светослав Йорданов, Ралица Тасева, Лусия Кулкина**

## Статистическа обработка на получените резултати

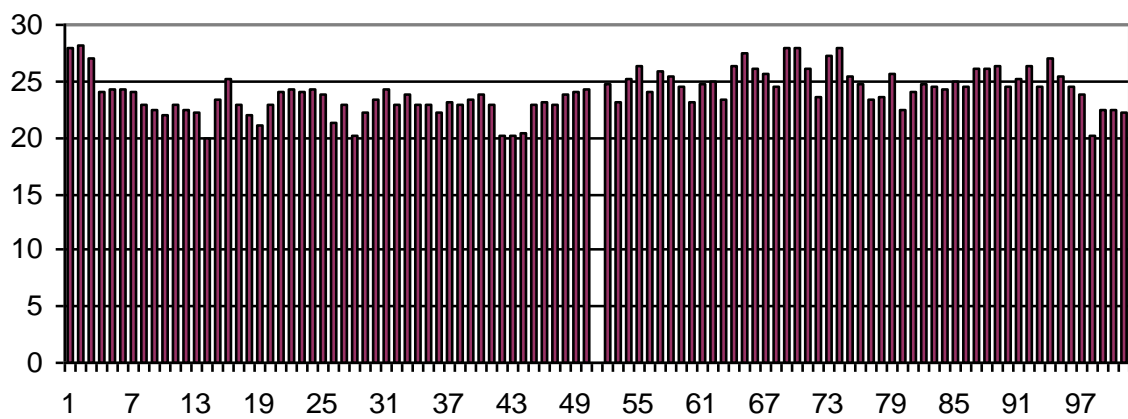




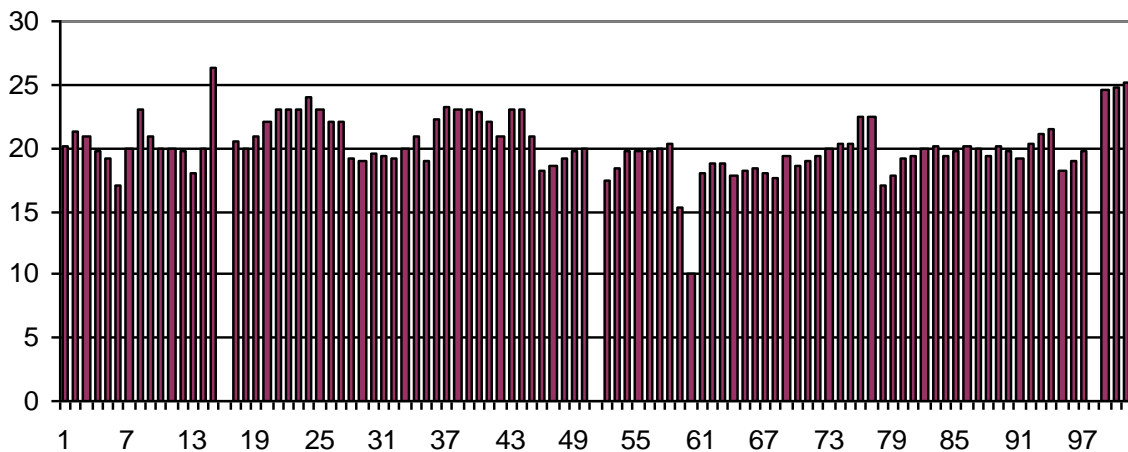
Общо кол.разтворени тв. в-а TDS, mg/l

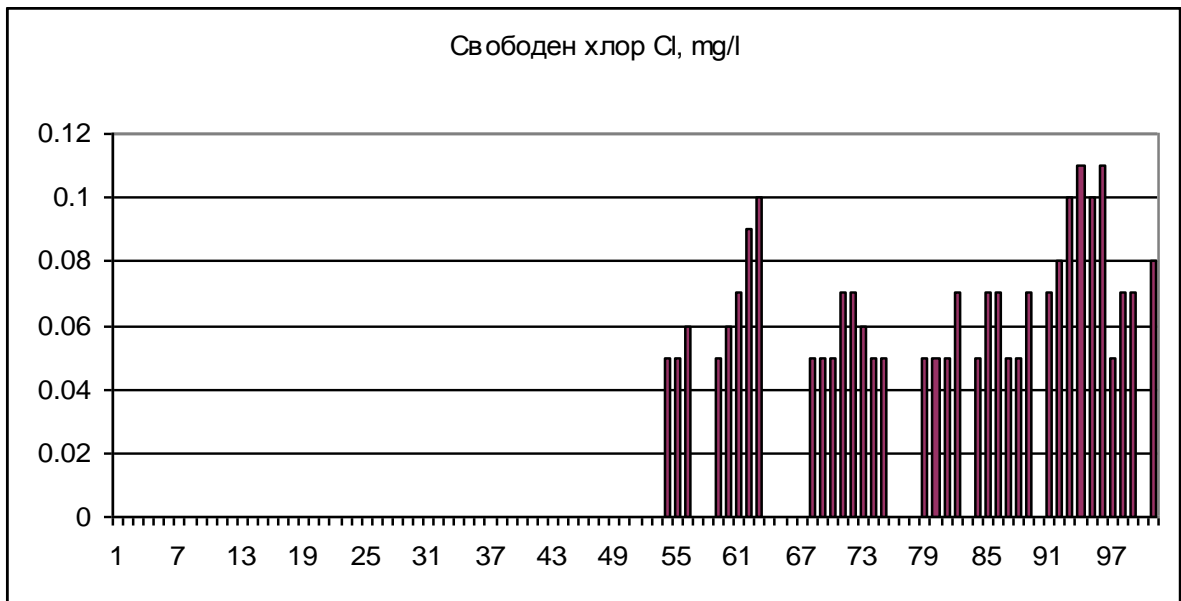
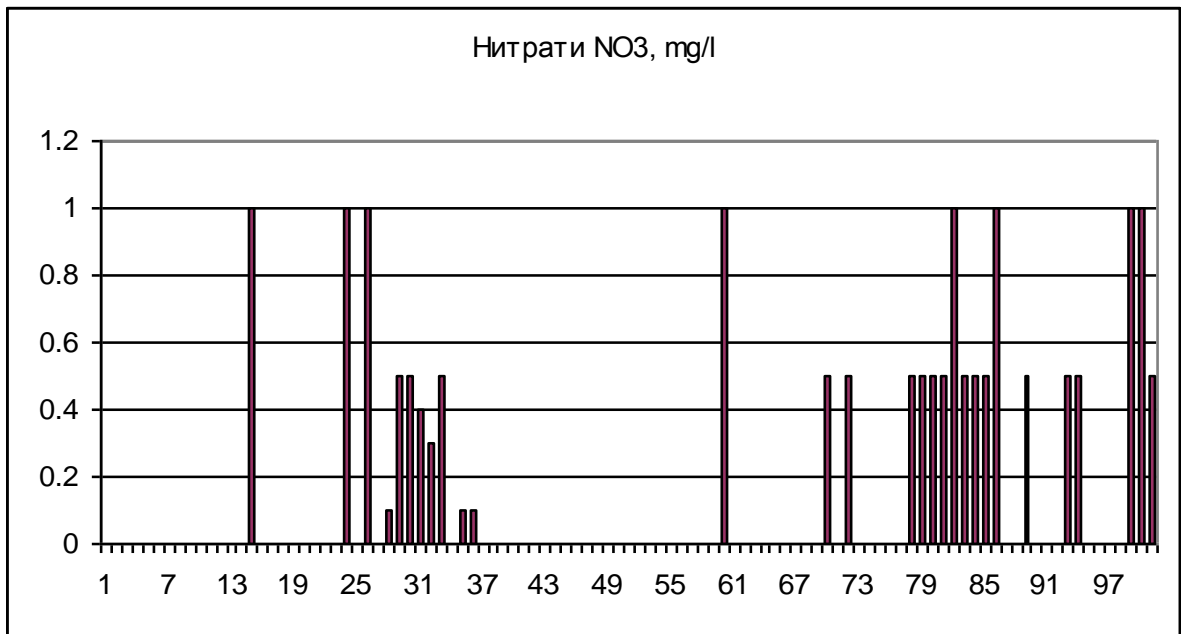
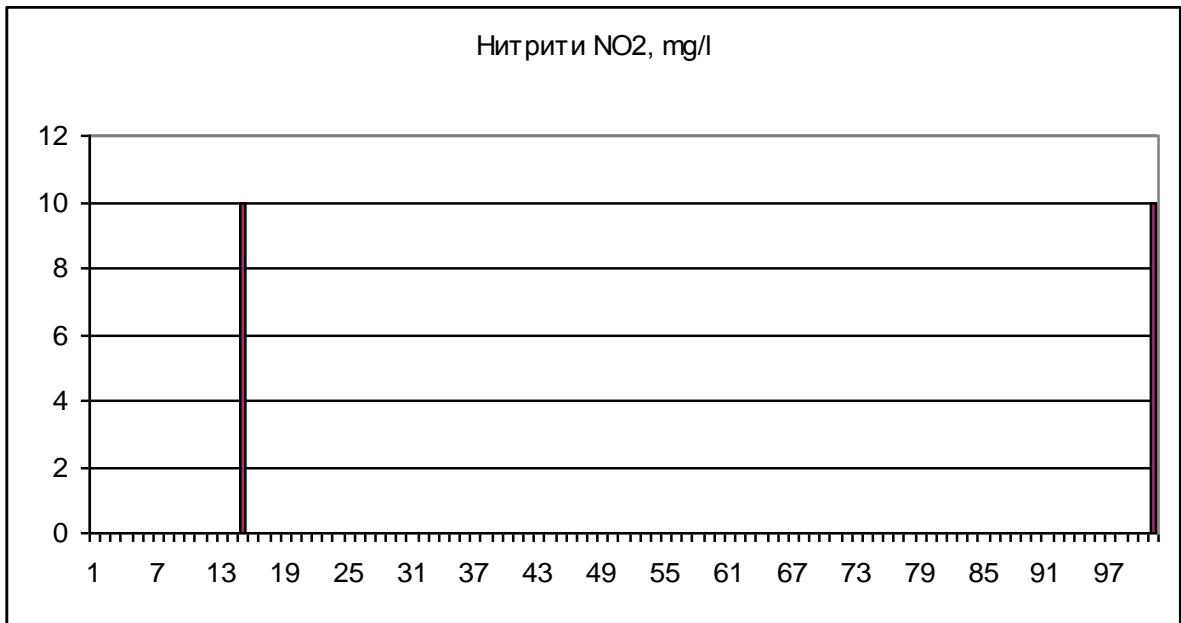


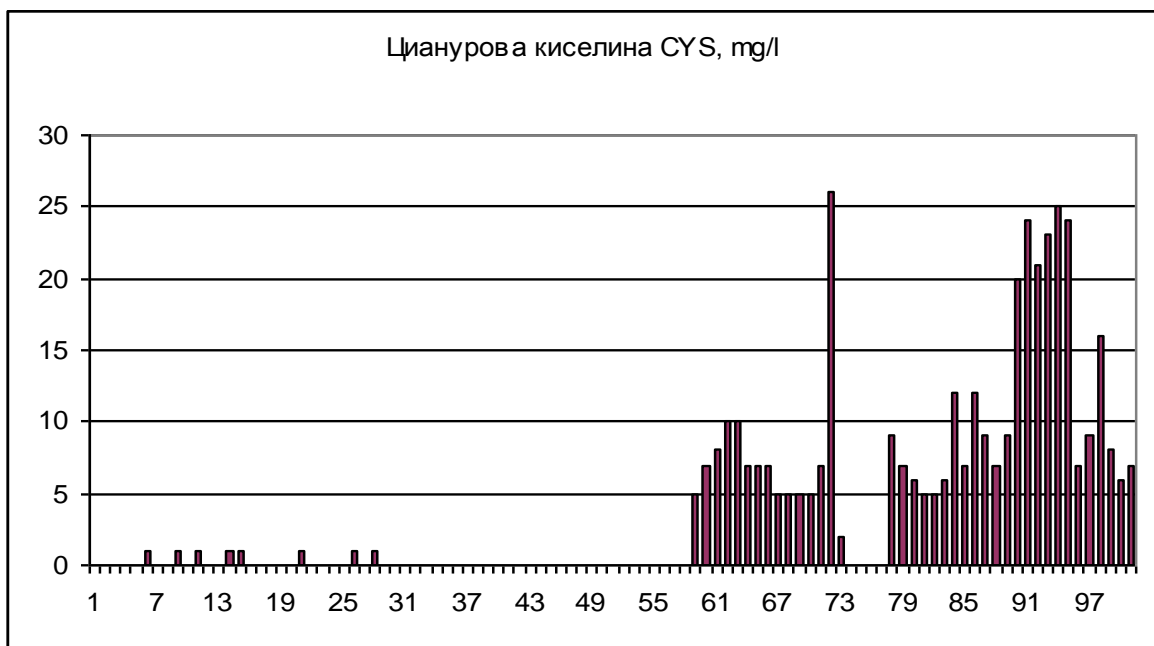
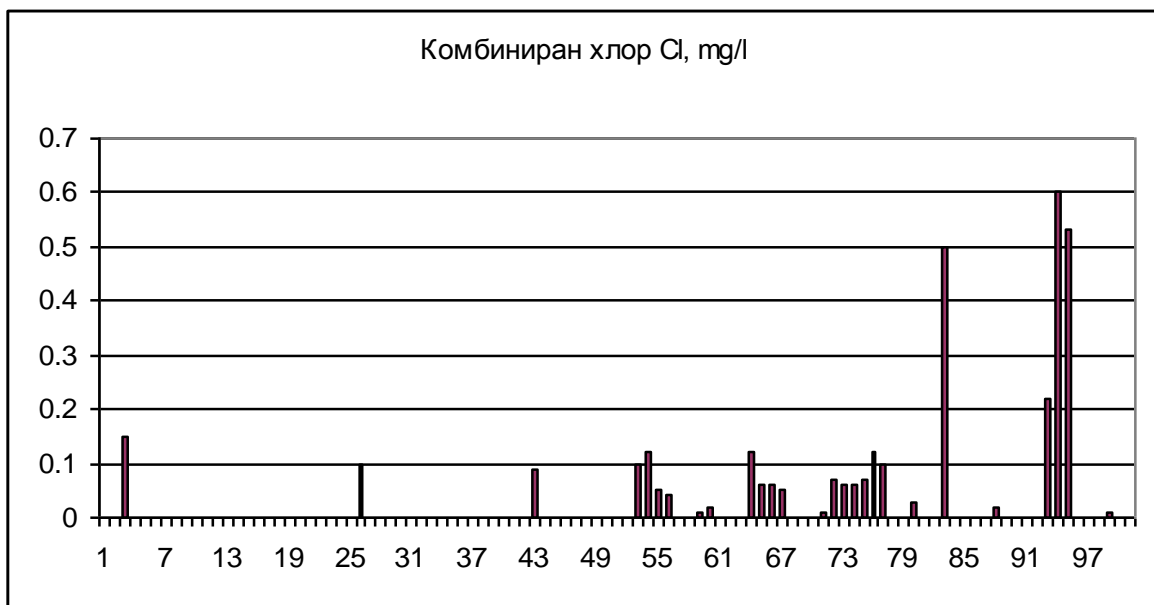
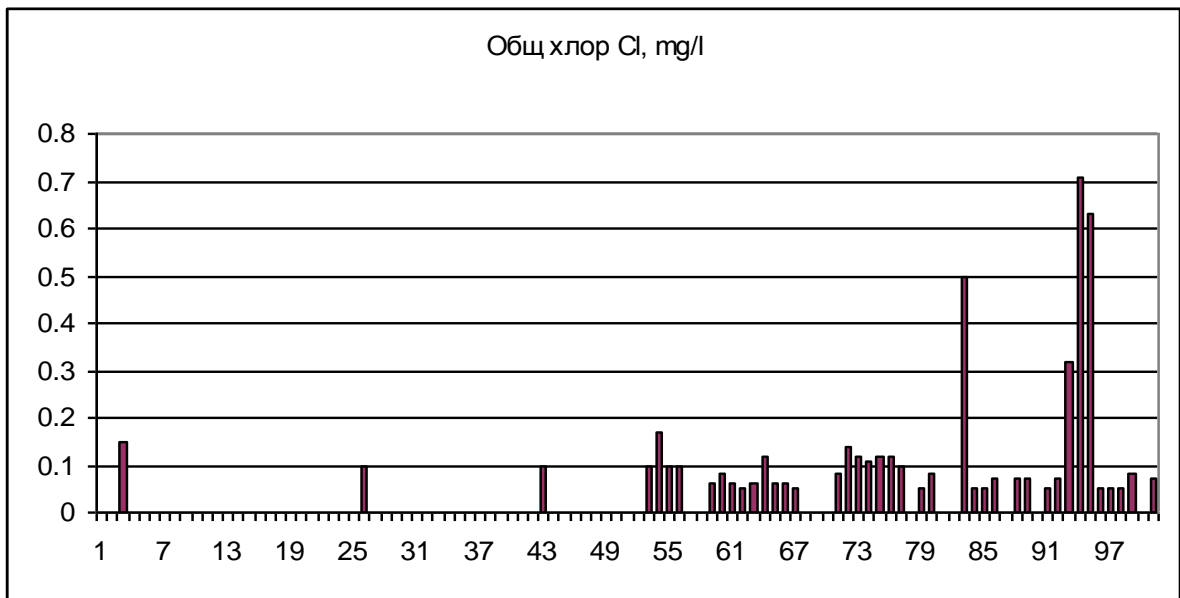
Разтворен кислород O2, %

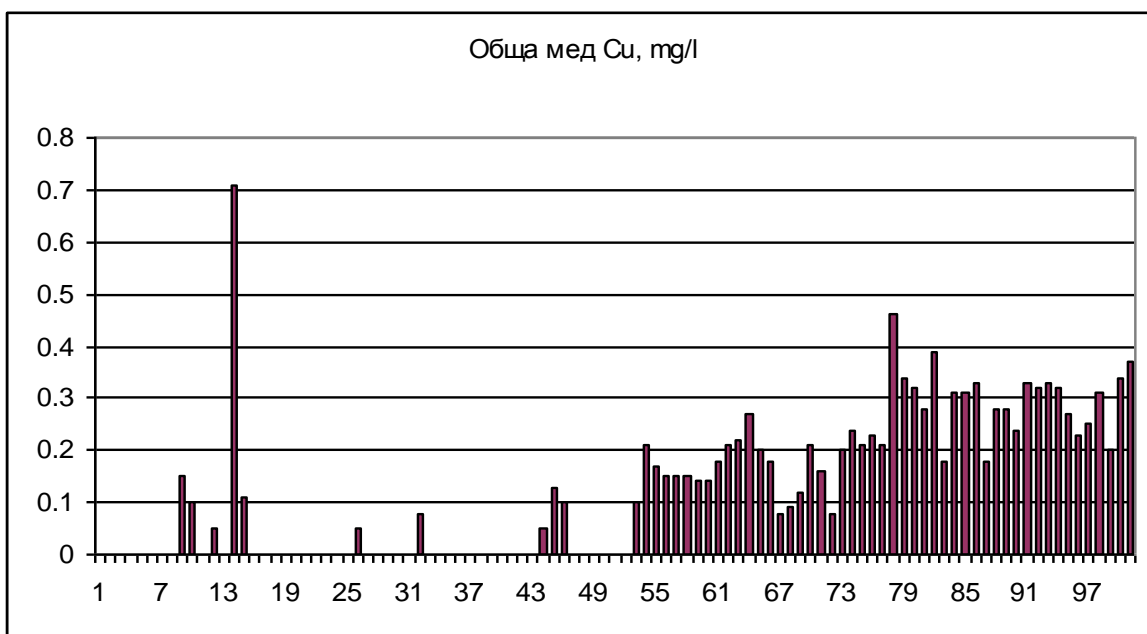
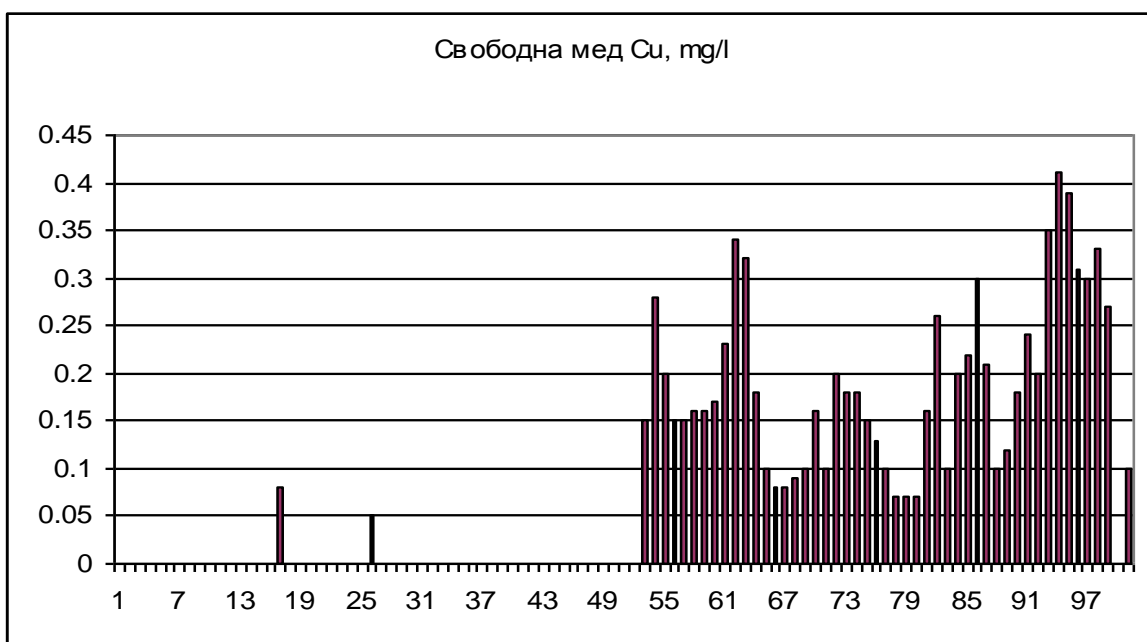
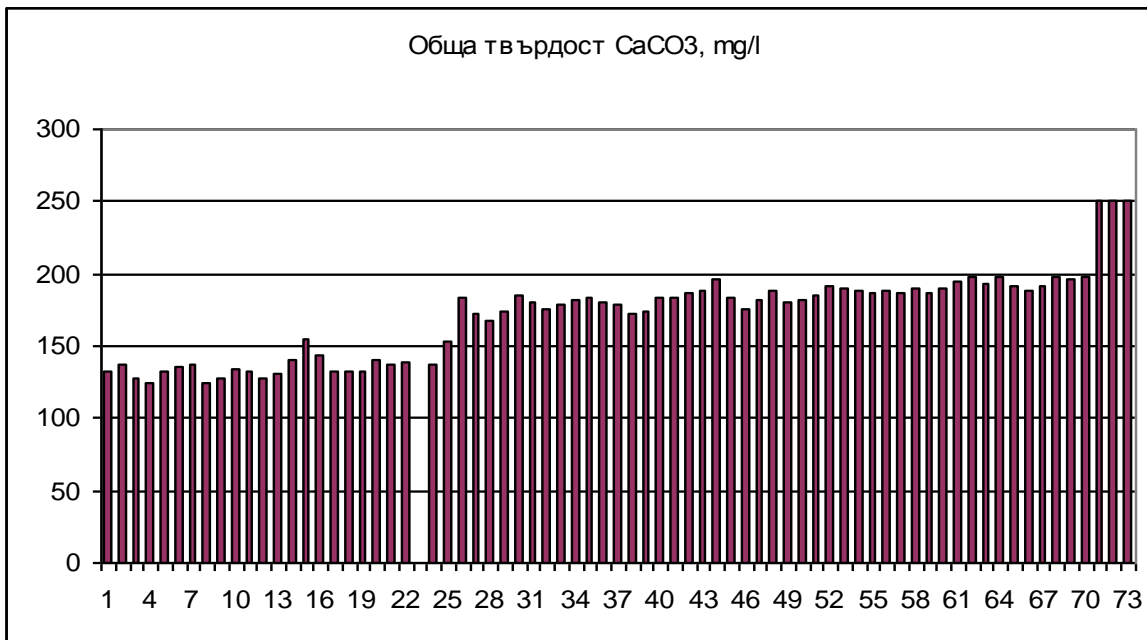


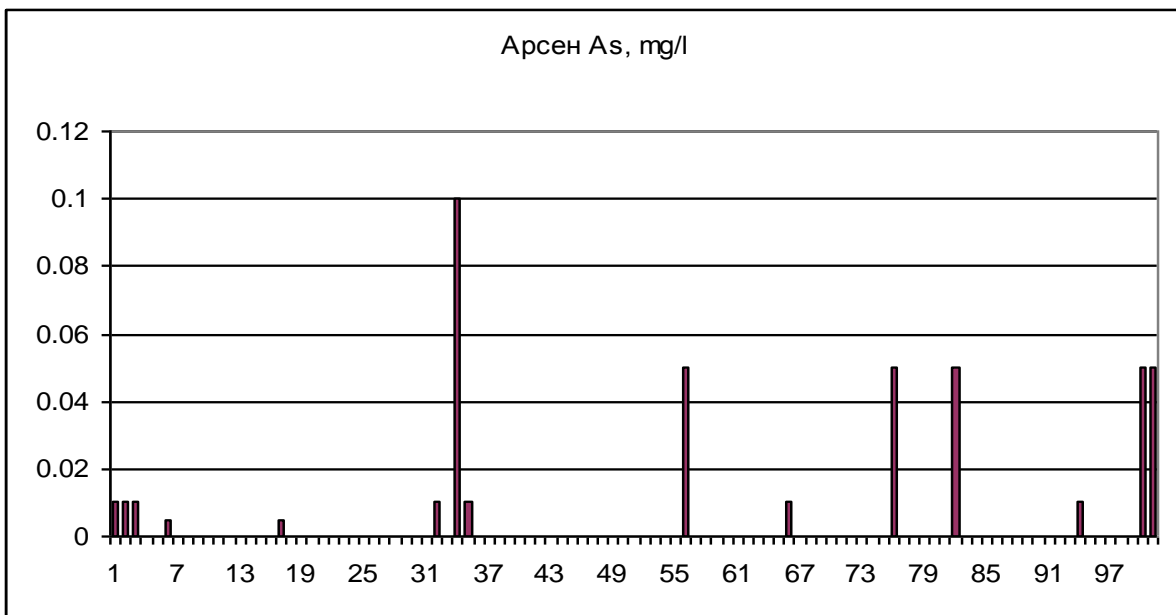
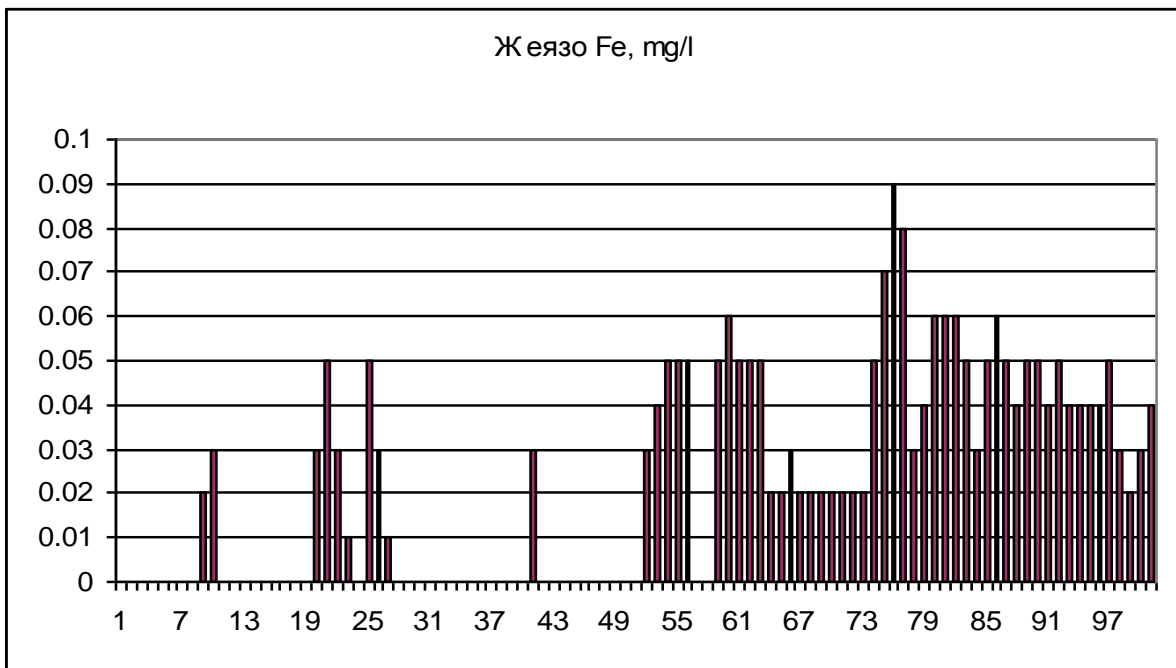
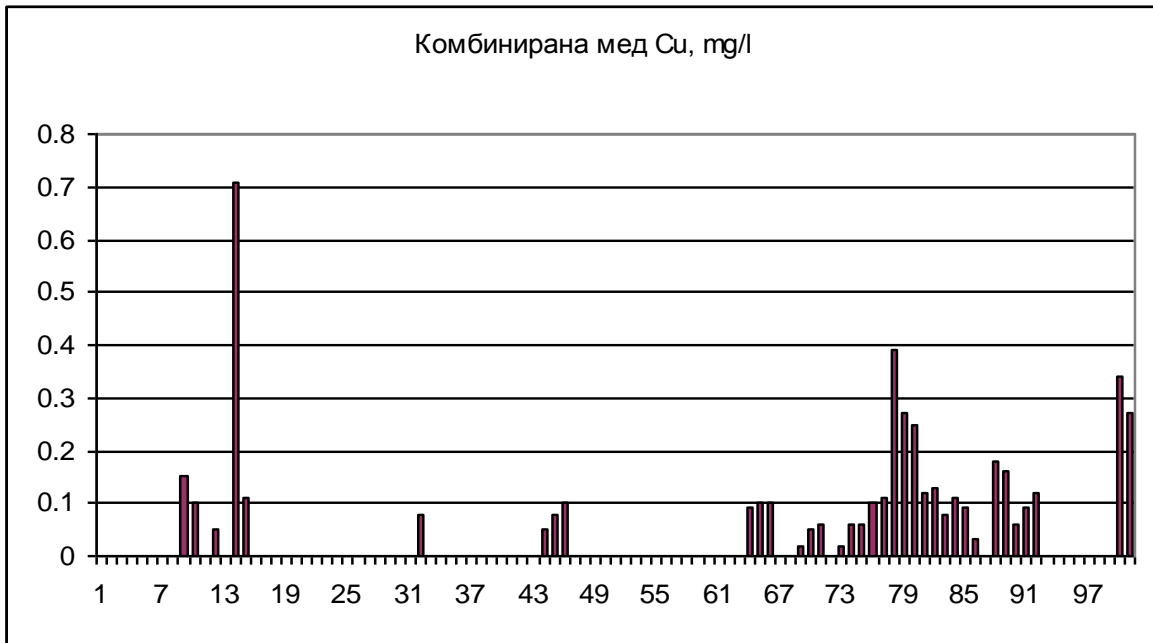
Температура на водата, t C

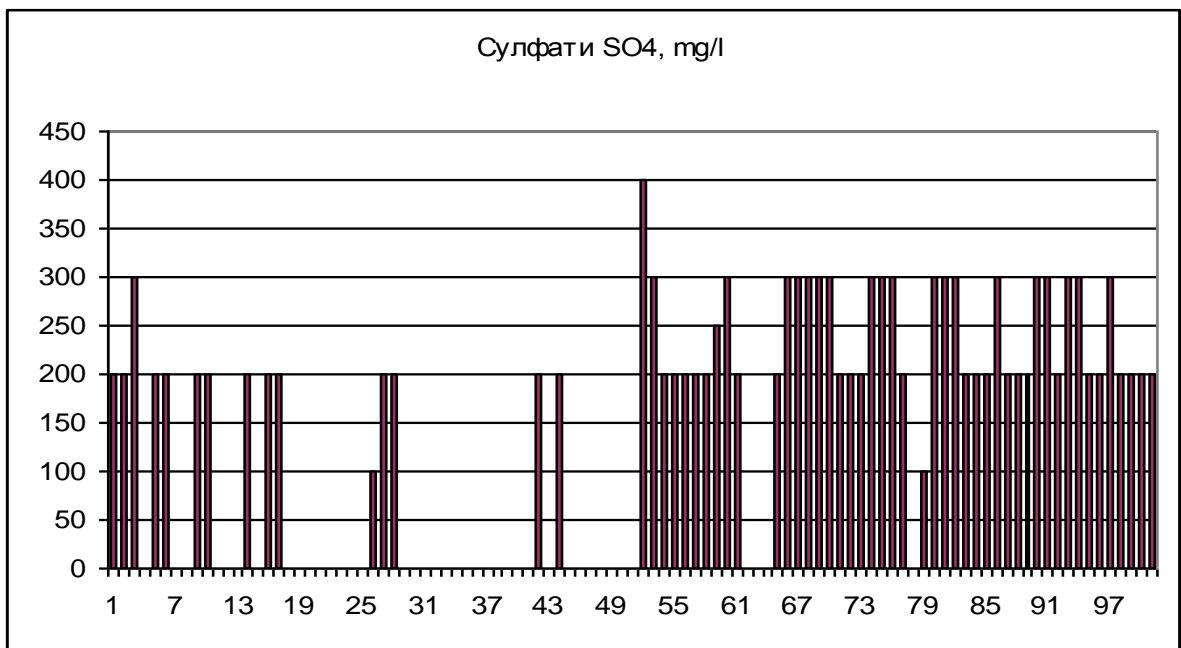
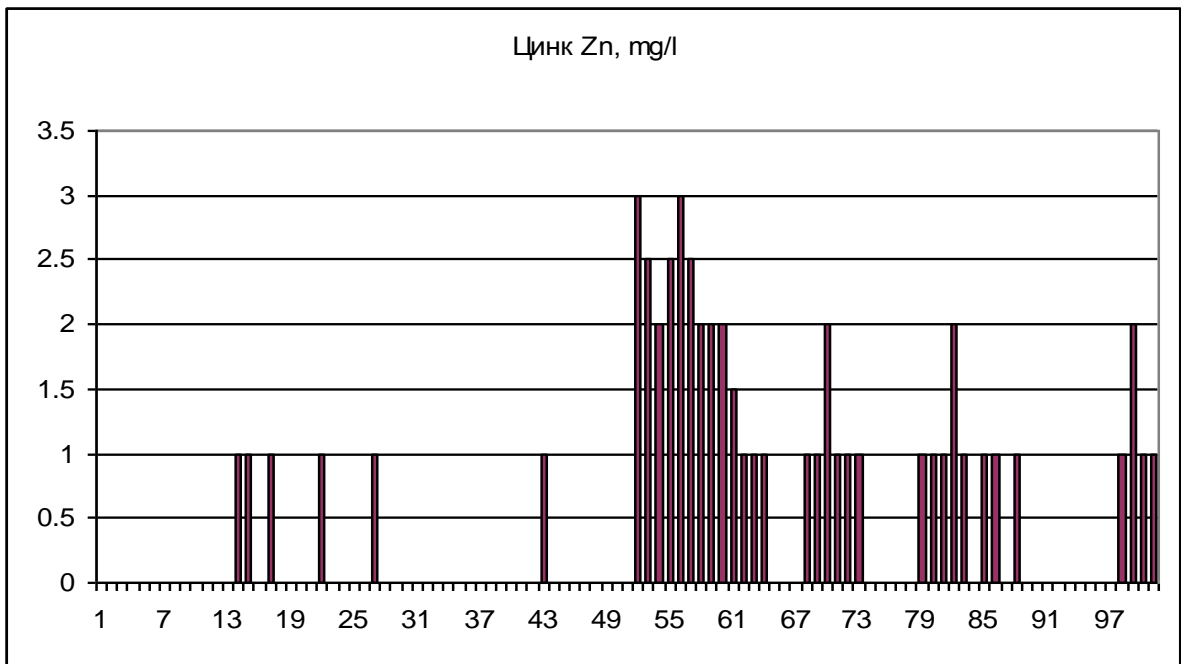
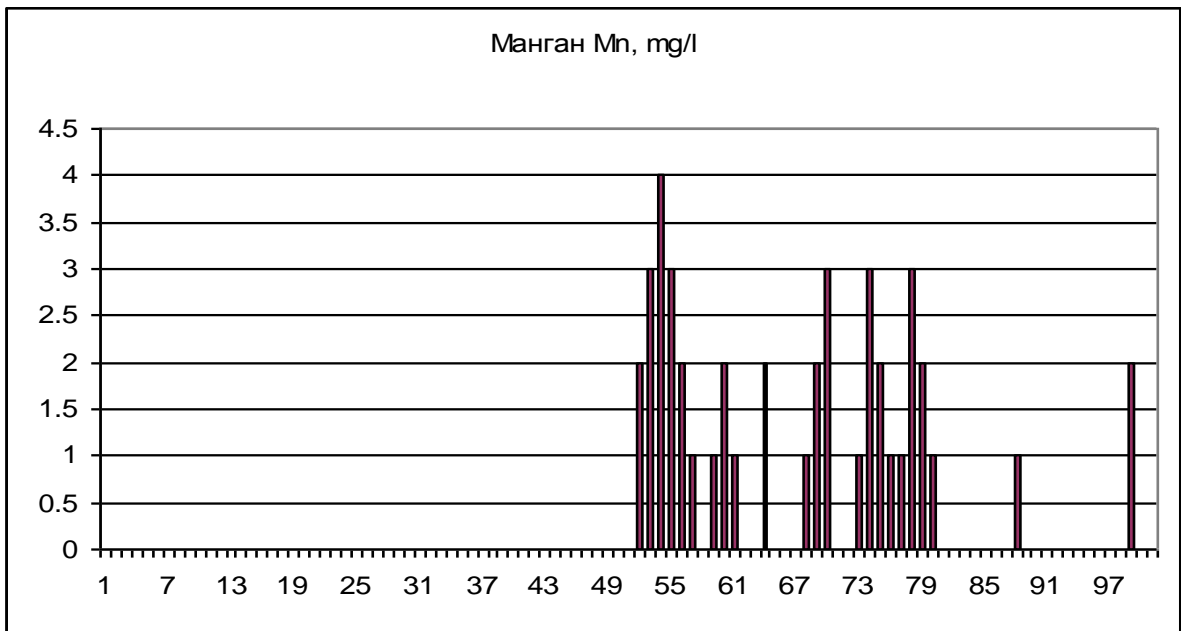




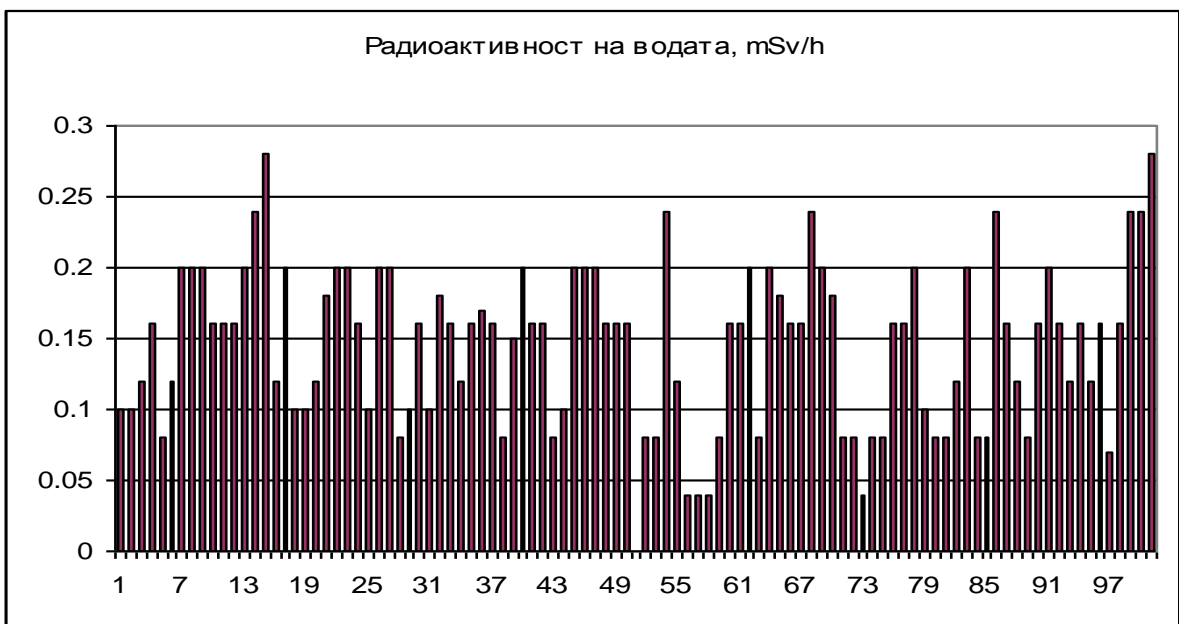
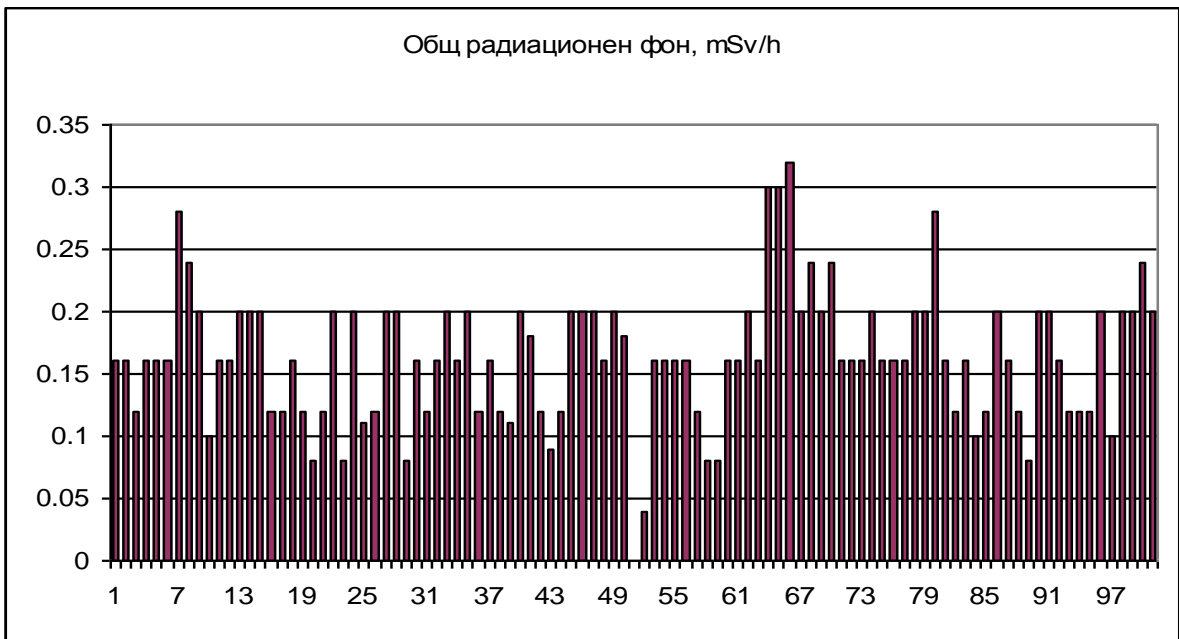
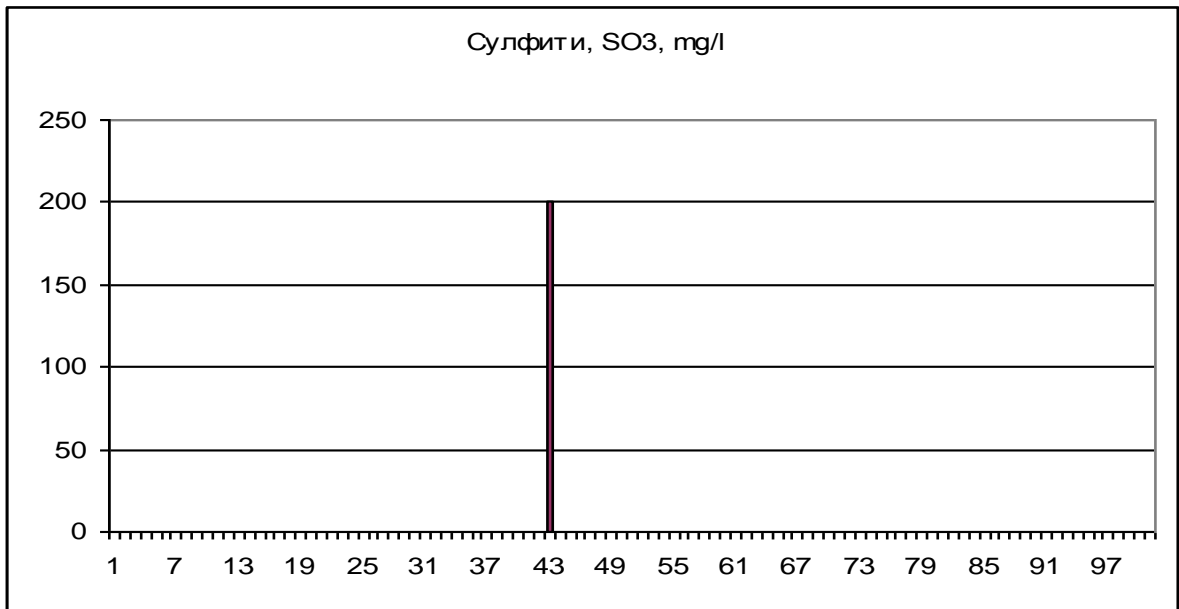


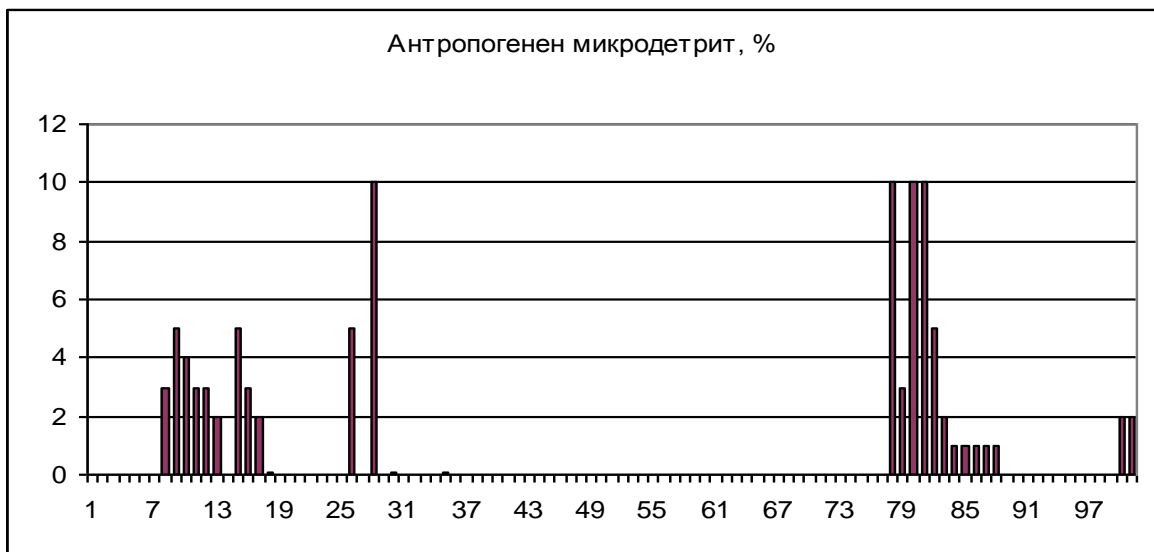
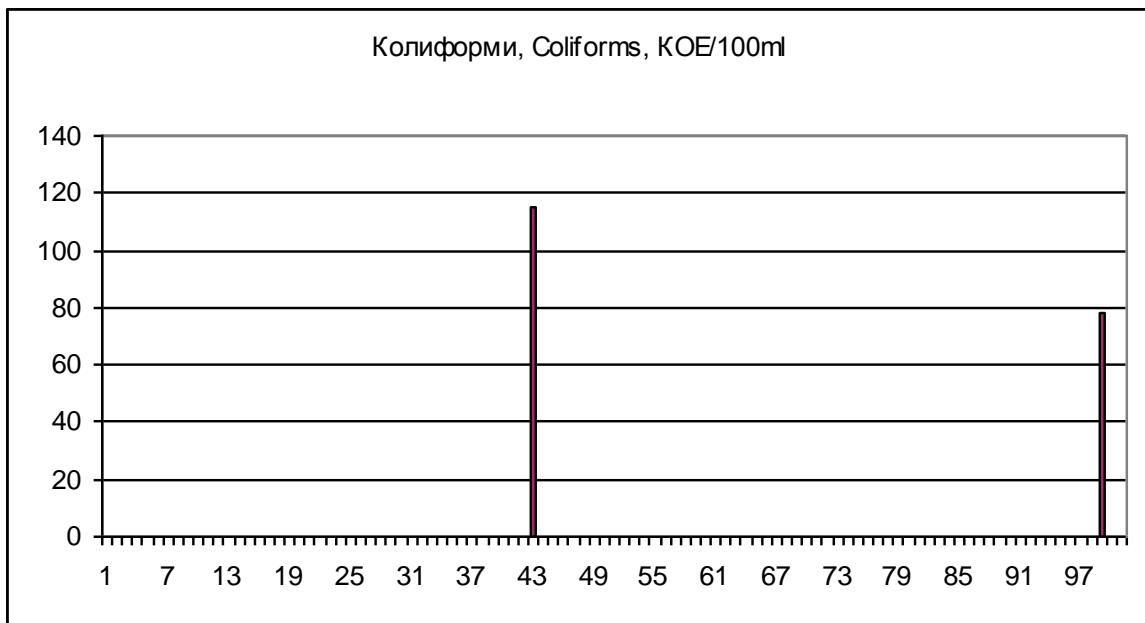
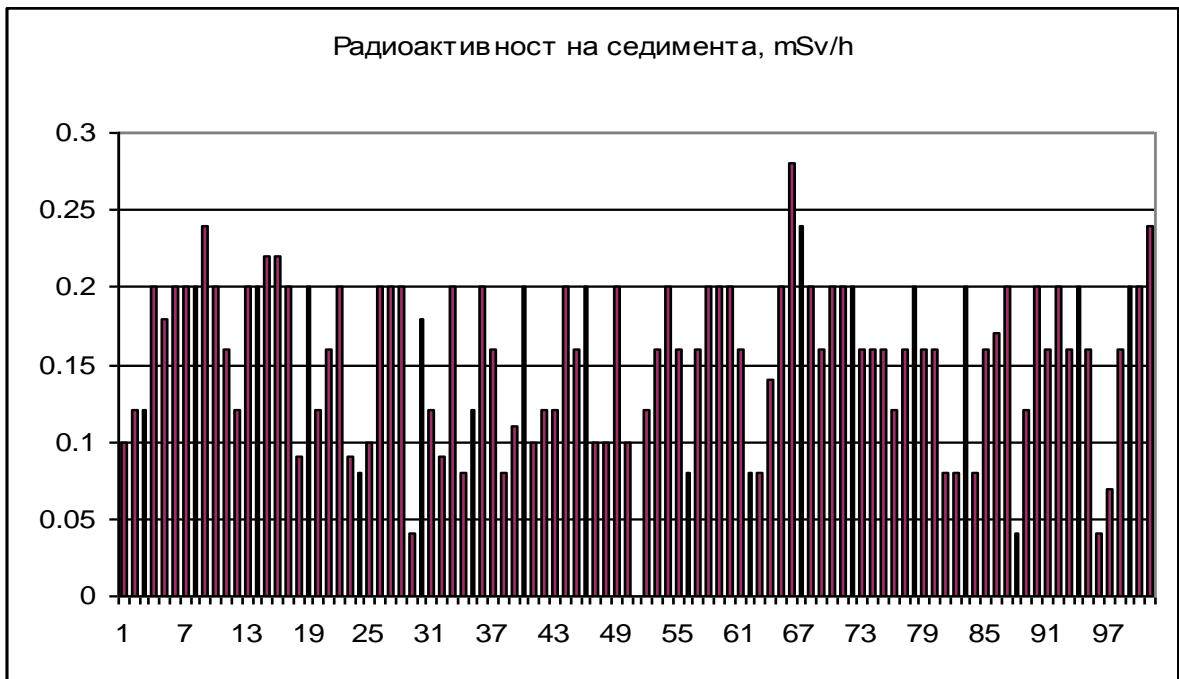




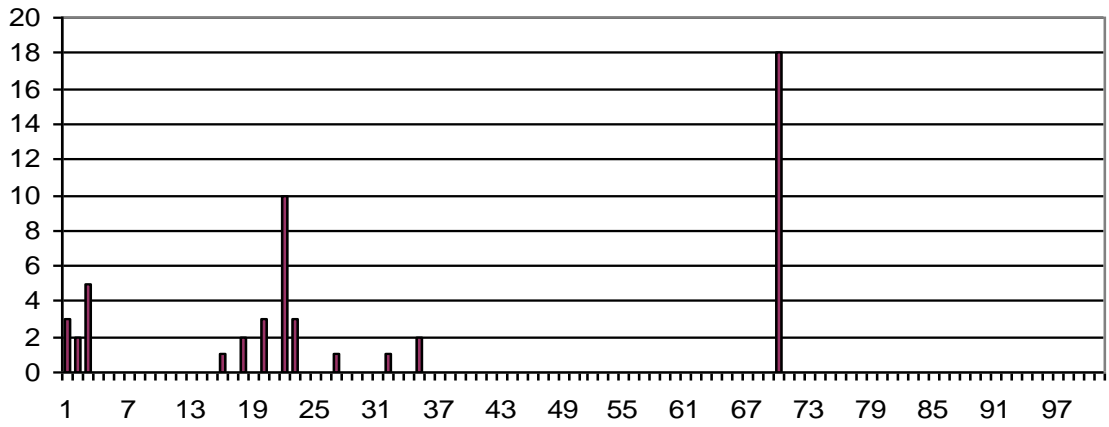




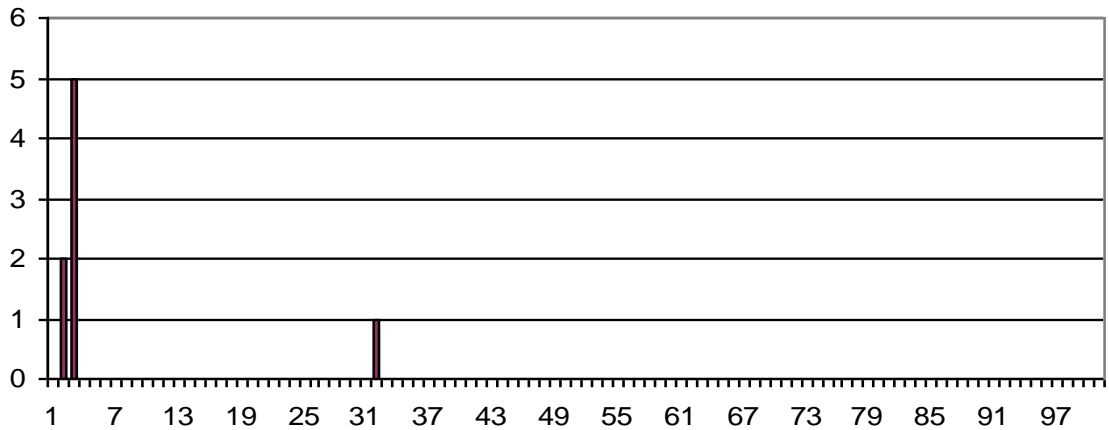




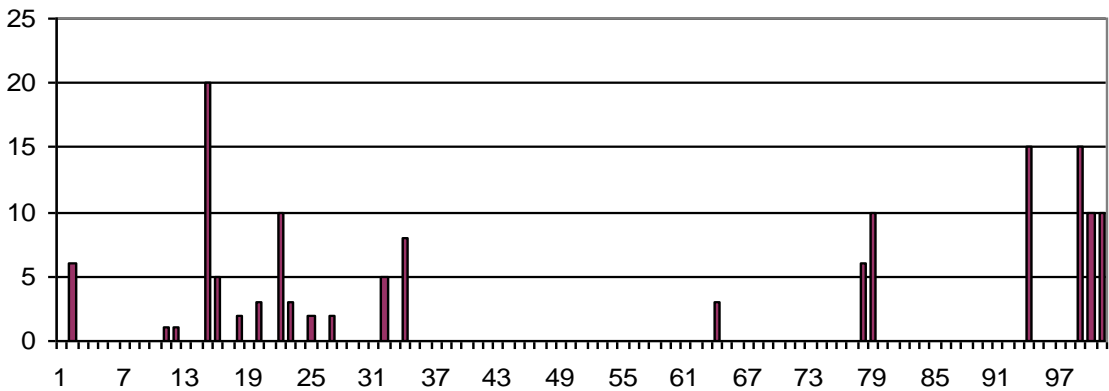
Балканска пъстърва, *Salmo trutta*, бр.



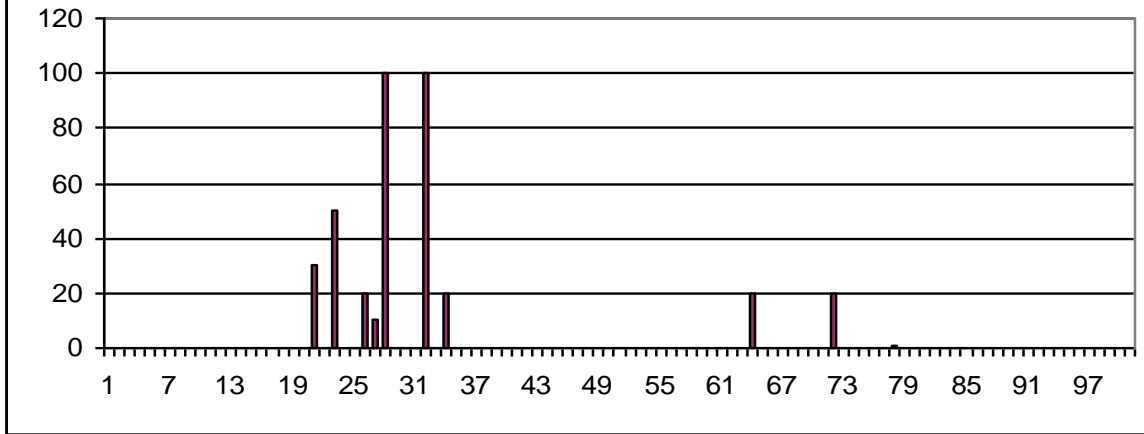
Македонска пъстърва, *Salmo macedonica*, бр.



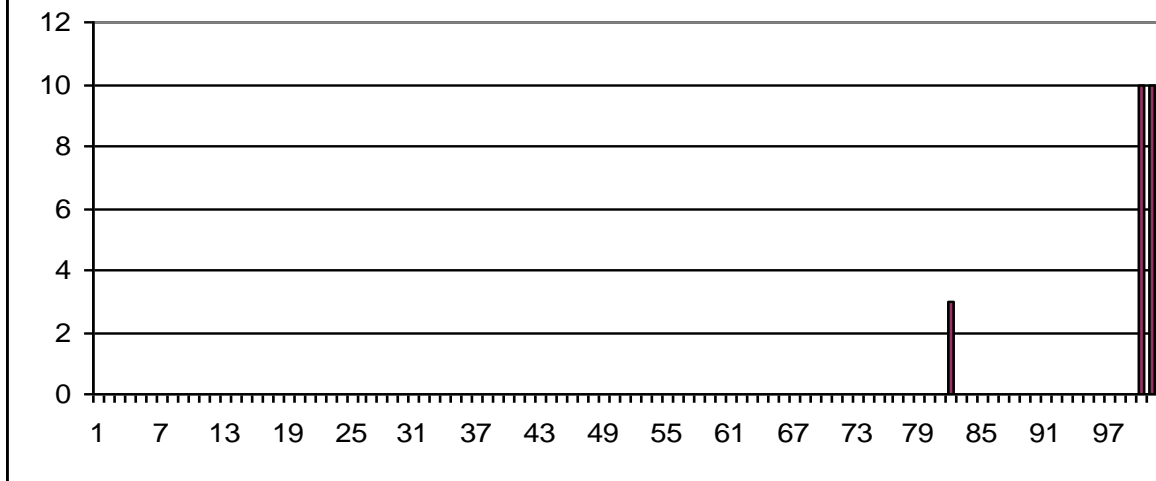
Черна мряна, *Barbus barbus*, бр.



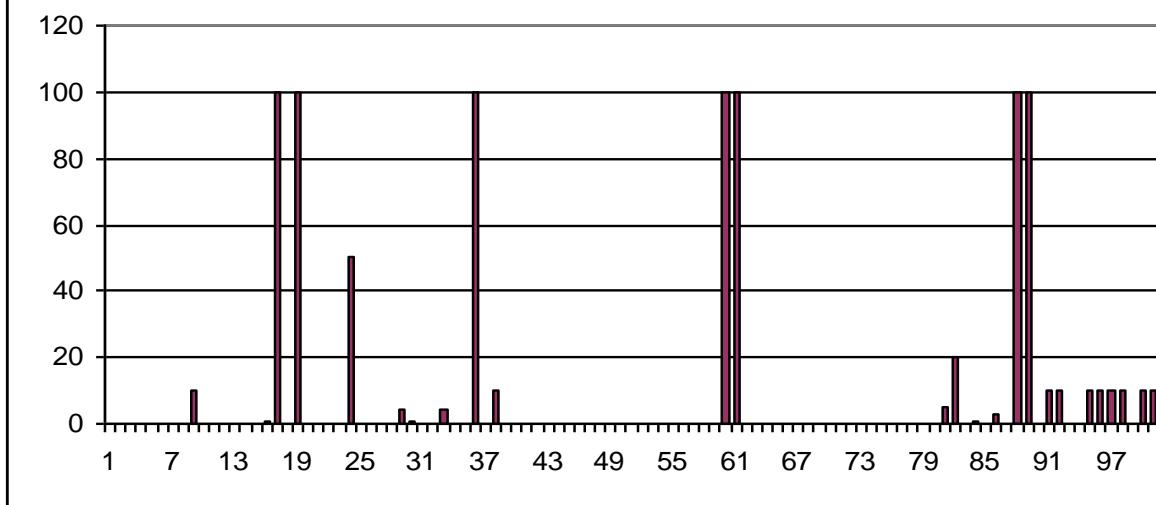
Риба пръскачка, *Alburnoides bipunctatus*, бр.

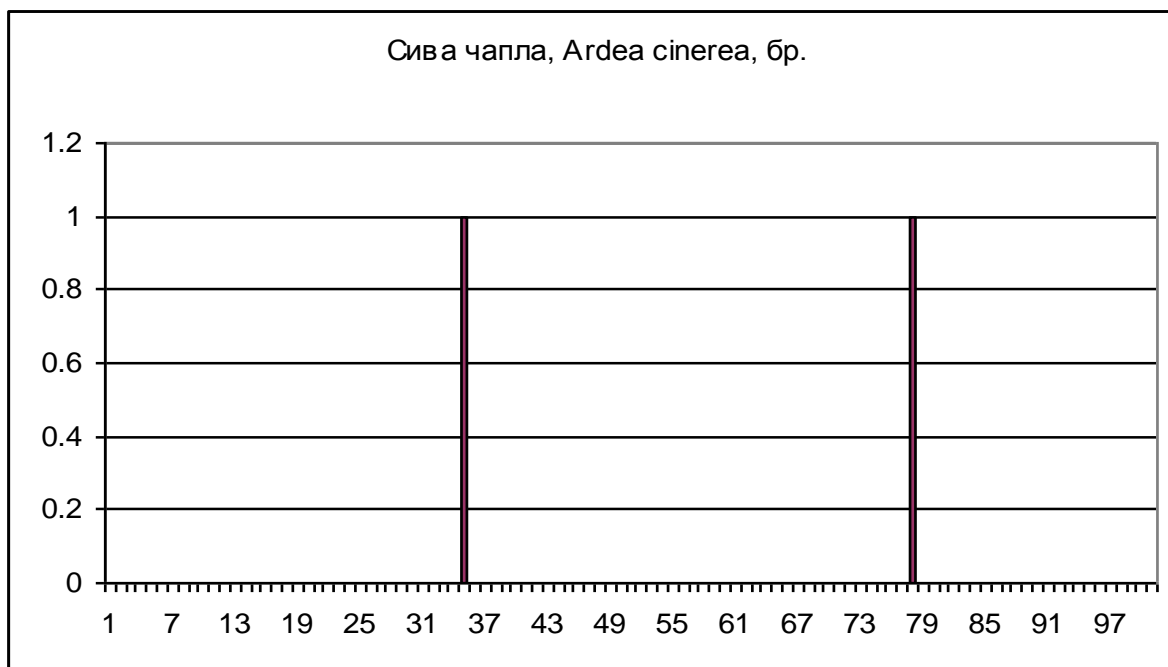


Речен кефал, *Leuciscus cephalus*, бр.



Неопределени риби, бр.





XLSTAT - Agglomerative hierarchical clustering (AHC)

Observations/variables table: Workbook = Danni leten monitoring\_Cluster Analyses.

Cluster columns 24

Similarity: Pearson correlation coefficient

Agglomeration method: Single linkage

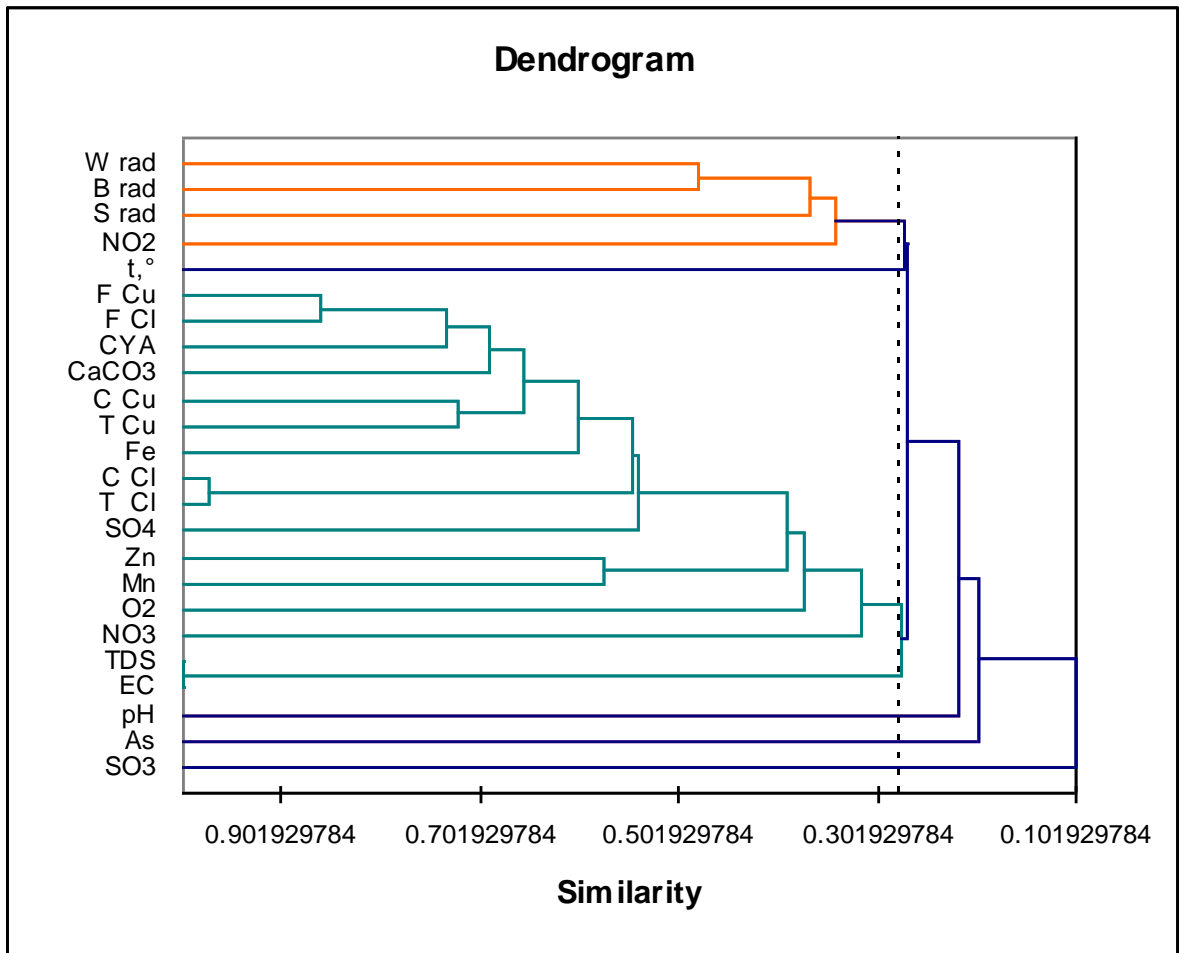
Center: No

Reduce: No

Truncation: Automatic - Entropy

Summary statistics:

№	Variable	Observations	Obs. with missing data	Obs. without missing data	Minimum	Maximum	Mean	Std. deviation
1	pH	100	0	100	6.500	9.100	8.016	0.444
2	EC	100	0	100	0.149	0.363	0.255	0.034
3	TDS	100	0	100	0.149	0.363	0.255	0.034
4	O2	100	0	100	20.000	28.100	24.053	1.858
5	t,°	100	0	100	0.000	26.300	20.000	2.973
6	NO2	100	0	100	0.010	10.000	0.210	1.406
7	NO3	100	0	100	0.000	1.000	0.177	0.304
8	F Cl	100	0	100	0.010	0.110	0.030	0.030
9	T Cl	100	0	100	0.010	0.710	0.058	0.111
10	C Cl	100	0	100	0.010	0.600	0.041	0.096
11	CYA	100	0	100	0.000	26.000	4.085	6.463
12	CaCO3	100	0	100	106.000	250.000	158.890	33.893
13	F Cu	100	0	100	0.010	0.410	0.097	0.109
14	T Cu	100	0	100	0.000	0.710	0.134	0.136
15	C Cu	100	0	100	0.000	0.710	0.055	0.099
16	Fe	100	0	100	0.010	0.090	0.027	0.020
17	As	100	0	100	0.000	0.100	0.012	0.013
18	Mn	100	0	100	0.010	4.000	0.448	0.910
19	Zn	100	0	100	0.010	3.000	0.536	0.793
20	SO4	100	0	100	0.010	400.000	142.504	122.753
21	SO3	100	0	100	0.010	200.000	2.010	19.999
22	B rad	100	0	100	0.040	0.320	0.165	0.052
23	W rad	100	0	100	0.040	0.280	0.147	0.056
24	S rad	100	0	100	0.040	0.280	0.157	0.052

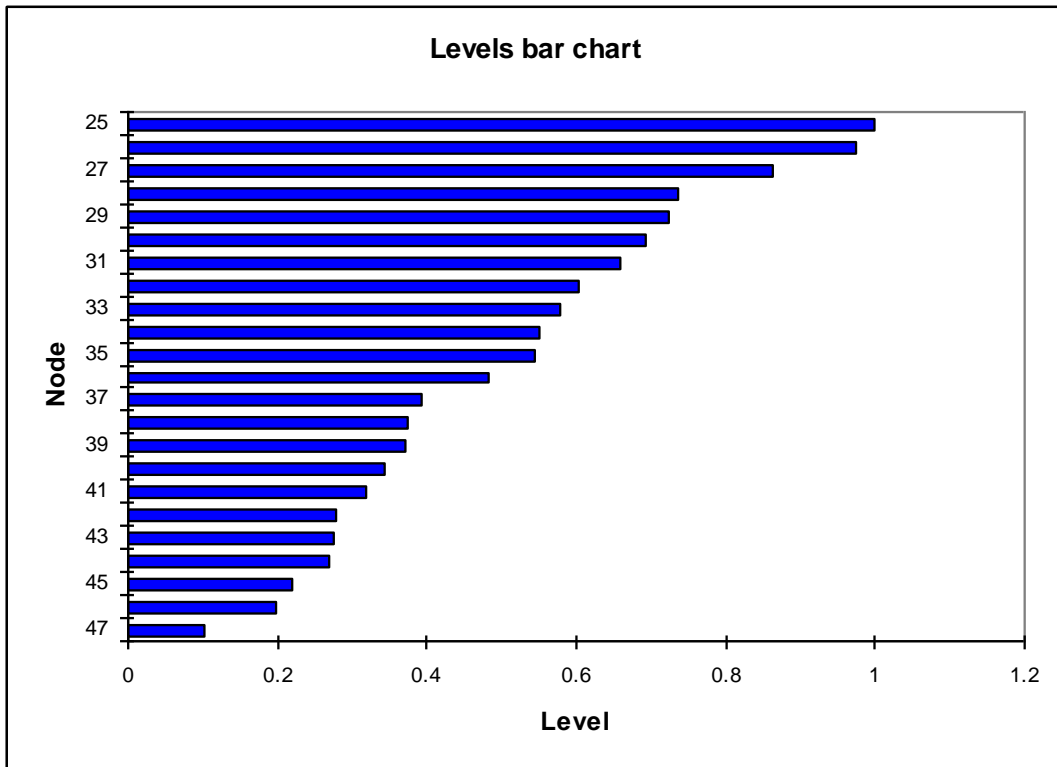
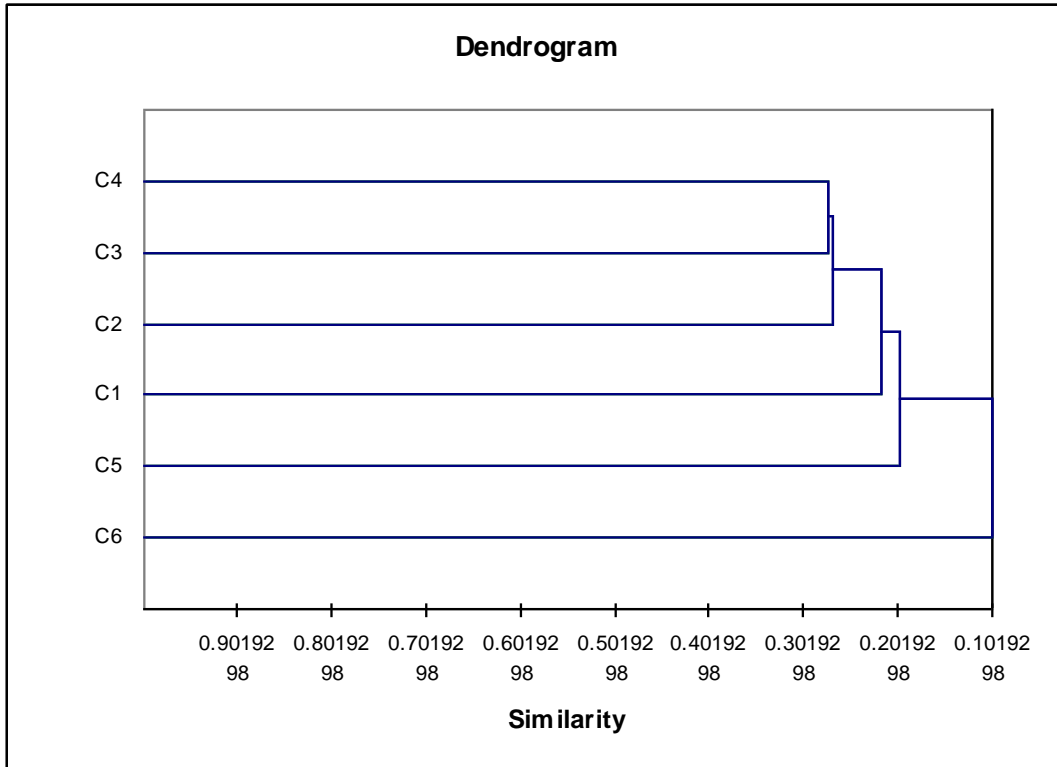


Results by object:

Observation	Class
pH	1
EC	2
TDS	2
O2	2
t,°	3
NO2	4
NO3	2
F Cl	2
T Cl	2
C Cl	2
CYA	2
CaCO3	2
F Cu	2
T Cu	2
C Cu	2
Fe	2
As	5
Mn	2
Zn	2
SO4	2
SO3	6
B rad	4
W rad	4
S rad	4

Distances between the class centroids:

	1	2	3	4	5	6
1	0	157.255	123.540	78.650	80.160	207.629
2	157.255	0	104.210	225.521	226.906	295.125
3	123.540	104.210	0	200.388	202.052	267.649
4	78.650	225.521	200.388	0	3.904	199.964
5	80.160	226.906	202.052	3.904	0	199.990
6	207.629	295.125	267.649	199.964	199.990	0



## Node statistics:

Node	Level	Weight	Objects	Left son	Right son
47	0.102	24	24	21	46
46	0.199	23	23	17	45
45	0.219	22	22	1	44
44	0.271	21	21	42	43
43	0.275	5	5	5	40
42	0.279	16	16	25	41
41	0.319	14	14	7	38
40	0.344	4	4	6	39
39	0.371	3	3	24	36
38	0.375	13	13	4	37
37	0.392	12	12	33	35
36	0.482	2	2	22	23
35	0.543	10	10	20	34
34	0.549	9	9	26	32
33	0.578	2	2	18	19
32	0.603	7	7	16	31
31	0.658	6	6	29	30
30	0.692	4	4	12	28
29	0.724	2	2	14	15
28	0.736	3	3	11	27
27	0.862	2	2	8	13
26	0.973	2	2	9	10
25	1.000	2	2	2	3

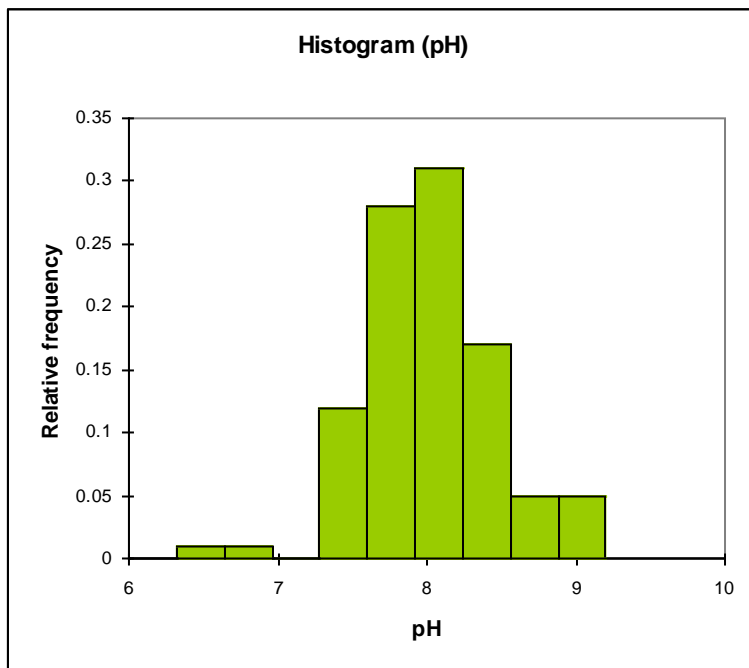
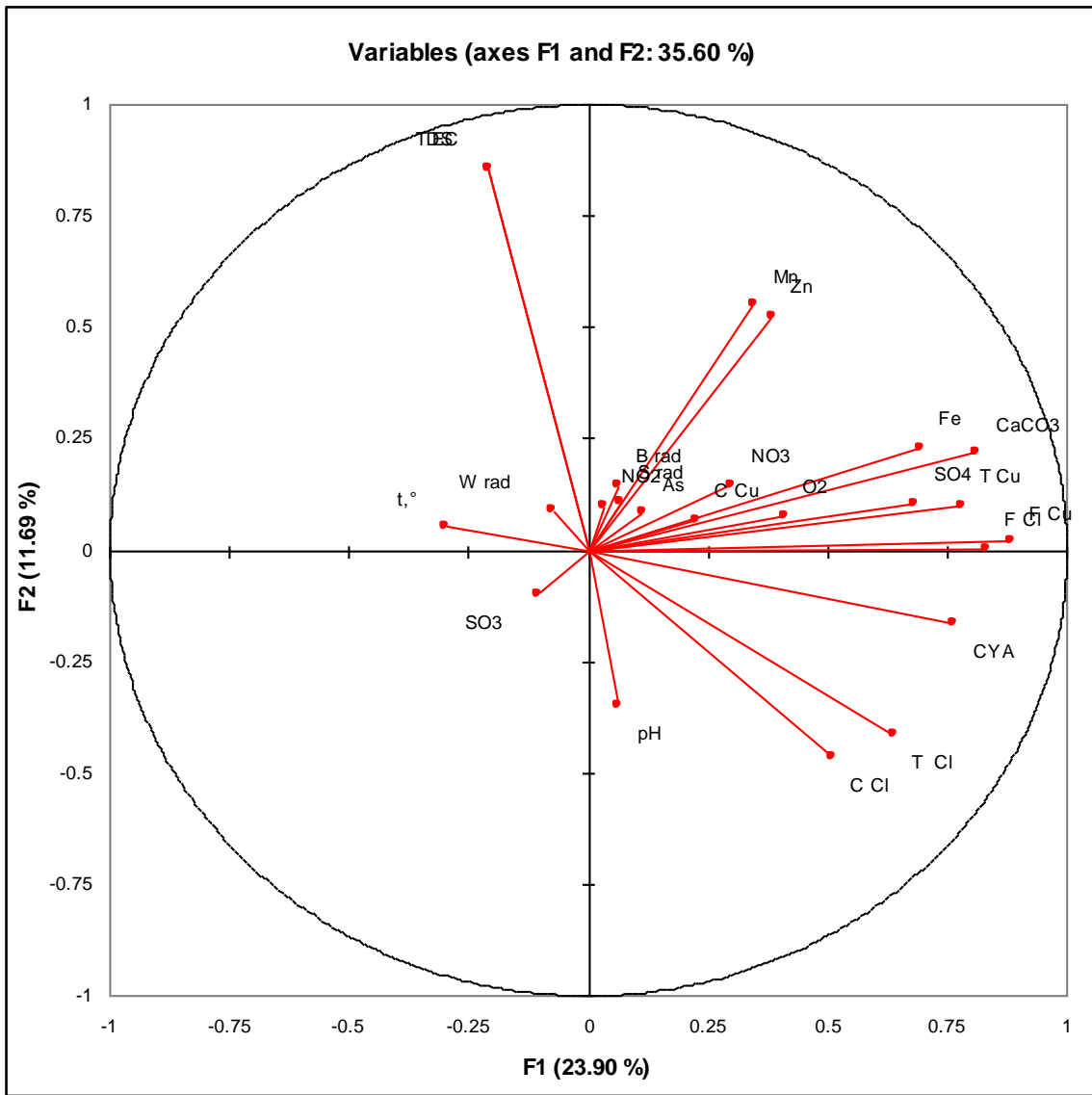
Correlation matrix (Pearson  
(n)):

Variables	pH	EC	TDS	O2	t,°	NO2	NO3	F Cl	T Cl	C Cl
pH	1	-0.380	-0.380	-0.019	-0.023	0.092	-0.096	0.015	0.032	0.030
EC	-0.380	1	1.000	-0.023	0.187	-0.001	-0.003	-0.127	-0.298	-0.306
TDS	-0.380	1.000	1	-0.023	0.187	-0.001	-0.003	-0.127	-0.298	-0.306
O2	-0.019	-0.023	-0.023	1	-0.023	-0.093	-0.072	0.307	0.250	0.213
t,°	-0.023	0.187	0.187	-0.023	1	0.275	0.108	-0.243	-0.030	0.017
NO2	0.092	-0.001	-0.001	-0.093	0.275	1	0.271	0.071	-0.024	-0.046
NO3	-0.096	-0.003	-0.003	-0.072	0.108	0.271	1	0.226	0.130	0.087
F Cl	0.015	-0.127	-0.127	0.307	-0.243	0.071	0.226	1	0.473	0.289
T Cl	0.032	-0.298	-0.298	0.250	-0.030	-0.024	0.130	0.473	1	0.973
C Cl	0.030	-0.306	-0.306	0.213	0.017	-0.046	0.087	0.289	0.973	1
CYA	-0.035	-0.155	-0.155	0.231	-0.266	-0.002	0.224	0.716	0.541	0.423
CaCO3	0.117	0.009	0.009	0.301	-0.180	0.123	0.319	0.671	0.327	0.202
F Cu	-0.012	-0.100	-0.100	0.339	-0.317	-0.056	0.171	0.862	0.549	0.411
T Cu	0.140	-0.140	-0.140	0.171	-0.192	0.112	0.297	0.585	0.308	0.206
C Cu	0.219	-0.129	-0.129	-0.133	0.047	0.197	0.221	0.017	-0.048	-0.060
Fe	-0.132	0.030	0.030	0.246	-0.117	-0.018	0.176	0.542	0.325	0.234
As	0.035	-0.046	-0.046	-0.063	0.156	0.199	0.151	0.062	-0.008	-0.015
Mn	-0.021	0.279	0.279	0.314	-0.186	-0.069	0.037	0.169	0.088	0.036
Zn	-0.033	0.225	0.225	0.129	-0.203	0.084	0.186	0.286	0.046	-0.022
SO4	0.006	-0.140	-0.140	0.375	-0.234	-0.050	0.107	0.433	0.299	0.230
SO3	0.065	-0.010	-0.010	-0.209	0.102	-0.014	-0.055	-0.070	0.038	0.051
B rad	0.207	0.030	0.030	0.105	-0.111	0.097	0.048	-0.032	-0.109	-0.095
W rad	0.168	0.089	0.089	-0.167	0.159	0.344	0.207	-0.106	-0.042	0.005
S rad	0.079	0.074	0.074	-0.019	-0.014	0.202	0.061	-0.104	0.096	0.112



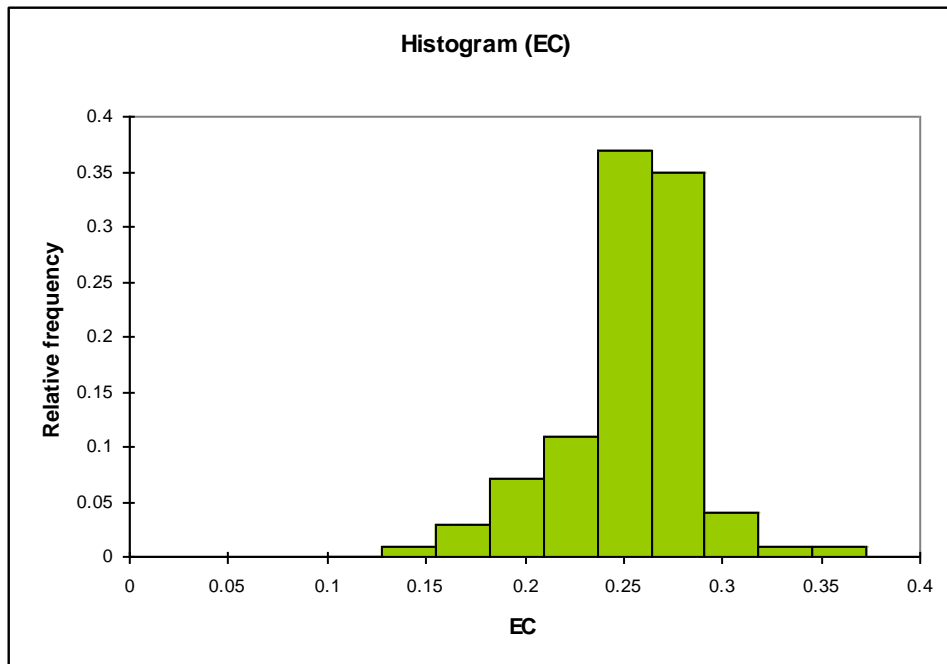
CYA	CaCO3	F Cu	T Cu	C Cu	Fe	As	Mn	Zn	SO4	SO3
-0.035	0.117	-0.012	0.140	0.219	-0.132	0.035	-0.021	-0.033	0.006	0.065
-0.155	0.009	-0.100	-0.140	-0.129	0.030	-0.046	0.279	0.225	-0.140	-0.010
-0.155	0.009	-0.100	-0.140	-0.129	0.030	-0.046	0.279	0.225	-0.140	-0.010
0.231	0.301	0.339	0.171	-0.133	0.246	-0.063	0.314	0.129	0.375	-0.209
-0.266	-0.180	-0.317	-0.192	0.047	-0.117	0.156	-0.186	-0.203	-0.234	0.102
-0.002	0.123	-0.056	0.112	0.197	-0.018	0.199	-0.069	0.084	-0.050	-0.014
0.224	0.319	0.171	0.297	0.221	0.176	0.151	0.037	0.186	0.107	-0.055
0.716	0.671	0.862	0.585	0.017	0.542	0.062	0.169	0.286	0.433	-0.070
0.541	0.327	0.549	0.308	-0.048	0.325	-0.008	0.088	0.046	0.299	0.038
0.423	0.202	0.411	0.206	-0.060	0.234	-0.015	0.036	-0.022	0.230	0.051
<b>1</b>	0.613	0.736	0.571	0.103	0.381	-0.034	-0.063	0.016	0.400	-0.064
0.613	<b>1</b>	0.692	0.658	0.215	0.567	0.195	0.300	0.351	0.543	-0.015
0.736	0.692	<b>1</b>	0.619	-0.065	0.603	0.020	0.256	0.340	0.499	-0.081
0.571	0.658	0.619	<b>1</b>	0.724	0.560	0.147	0.256	0.264	0.481	-0.092
0.103	0.215	-0.065	0.724	<b>1</b>	0.160	0.152	0.094	0.053	0.138	-0.046
0.381	0.567	0.603	0.560	0.160	<b>1</b>	0.176	0.341	0.267	0.505	-0.090
-0.034	0.195	0.020	0.147	0.152	0.176	<b>1</b>	0.012	0.148	0.038	-0.019
-0.063	0.300	0.256	0.256	0.094	0.341	0.012	<b>1</b>	0.578	0.322	-0.049
0.016	0.351	0.340	0.264	0.053	0.267	0.148	0.578	<b>1</b>	0.392	0.059
0.400	0.543	0.499	0.481	0.138	0.505	0.038	0.322	0.392	<b>1</b>	-0.117
-0.064	-0.015	-0.081	-0.092	-0.046	-0.090	-0.019	-0.049	0.059	-0.117	<b>1</b>
0.071	0.153	-0.019	0.187	0.243	-0.053	0.037	0.125	-0.062	-0.019	-0.146
0.021	-0.033	-0.099	0.097	0.240	-0.110	0.022	-0.048	-0.130	-0.196	-0.122
0.110	0.086	-0.061	0.080	0.157	-0.092	-0.184	0.069	0.048	0.207	-0.073

B rad	W rad	S rad
0.207	0.168	0.079
0.030	0.089	0.074
0.030	0.089	0.074
0.105	-0.167	-0.019
-0.111	0.159	-0.014
0.097	0.344	0.202
0.048	0.207	0.061
-0.032	-0.106	-0.104
-0.109	-0.042	0.096
-0.095	0.005	0.112
0.071	0.021	0.110
0.153	-0.033	0.086
-0.019	-0.099	-0.061
0.187	0.097	0.080
0.243	0.240	0.157
-0.053	-0.110	-0.092
0.037	0.022	-0.184
0.125	-0.048	0.069
-0.062	-0.130	0.048
-0.019	-0.196	0.207
-0.146	-0.122	-0.073
<b>1</b>	0.482	0.359
0.482	<b>1</b>	0.371
0.359	0.371	<b>1</b>



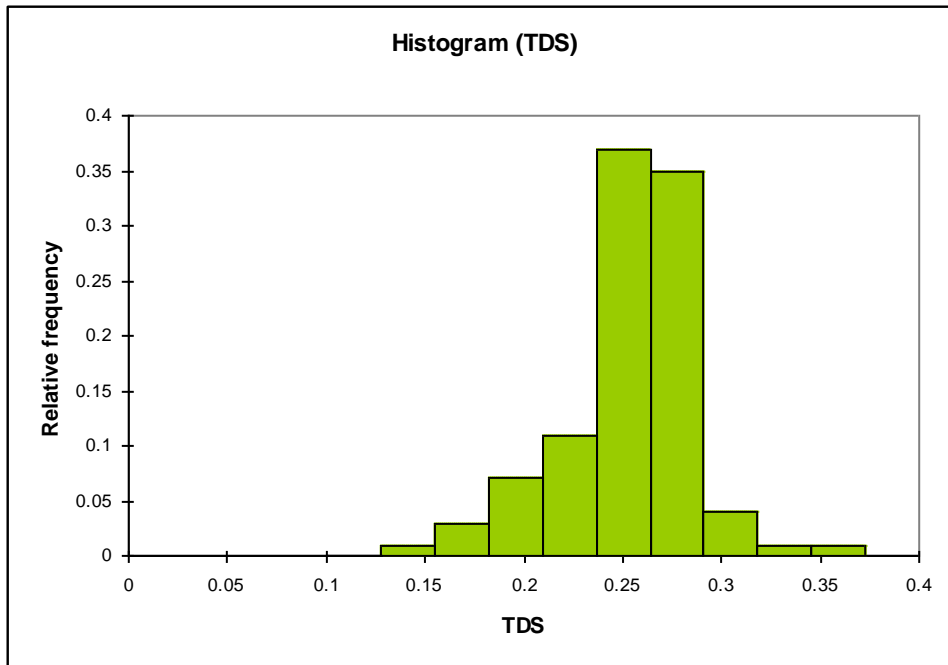
Descriptive statistics for the intervals (pH):

Lower bound	Upper bound	Frequency	Relative frequency	Density
6	6.32	0	0.000	0.000
6.32	6.64	1	0.010	0.031
6.64	6.96	1	0.010	0.031
6.96	7.28	0	0.000	0.000
7.28	7.6	12	0.120	0.375
7.6	7.92	28	0.280	0.875
7.92	8.24	31	0.310	0.969
8.24	8.56	17	0.170	0.531
8.56	8.88	5	0.050	0.156
8.88	9.2	5	0.050	0.156



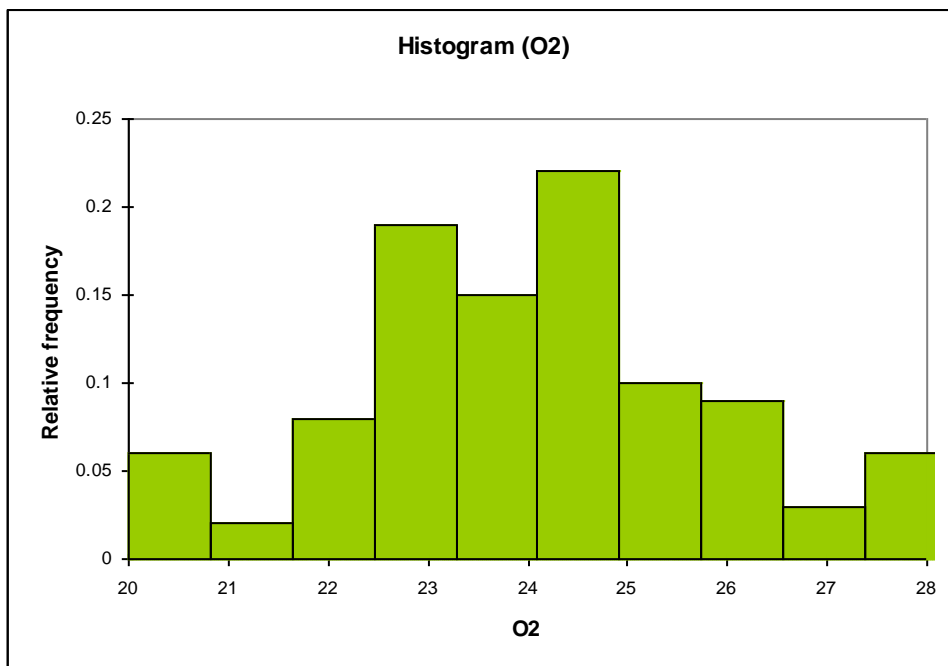
Descriptive statistics for the intervals (EC):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0.1	0.1273	0	0.000	0.000
0.1273	0.1546	1	0.010	0.366
0.1546	0.1819	3	0.030	1.099
0.1819	0.2092	7	0.070	2.564
0.2092	0.2365	11	0.110	4.029
0.2365	0.2638	37	0.370	13.553
0.2638	0.2911	35	0.350	12.821
0.2911	0.3184	4	0.040	1.465
0.3184	0.3457	1	0.010	0.366
0.3457	0.373	1	0.010	0.366



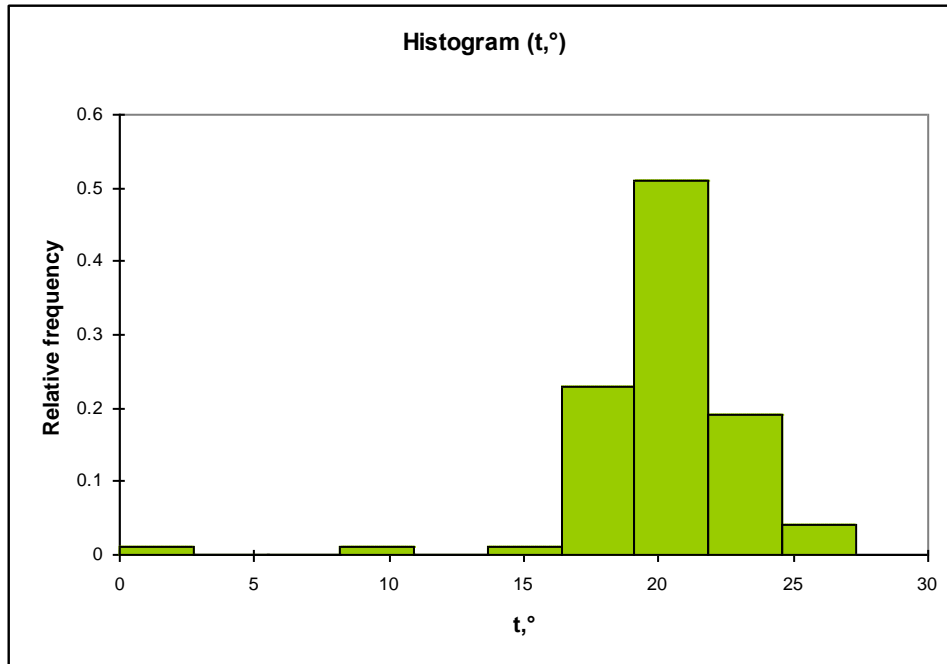
Descriptive statistics for the intervals (TDS):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0.1	0.1273	0	0.000	0.000
0.1273	0.1546	1	0.010	0.366
0.1546	0.1819	3	0.030	1.099
0.1819	0.2092	7	0.070	2.564
0.2092	0.2365	11	0.110	4.029
0.2365	0.2638	37	0.370	13.553
0.2638	0.2911	35	0.350	12.821
0.2911	0.3184	4	0.040	1.465
0.3184	0.3457	1	0.010	0.366
0.3457	0.373	1	0.010	0.366



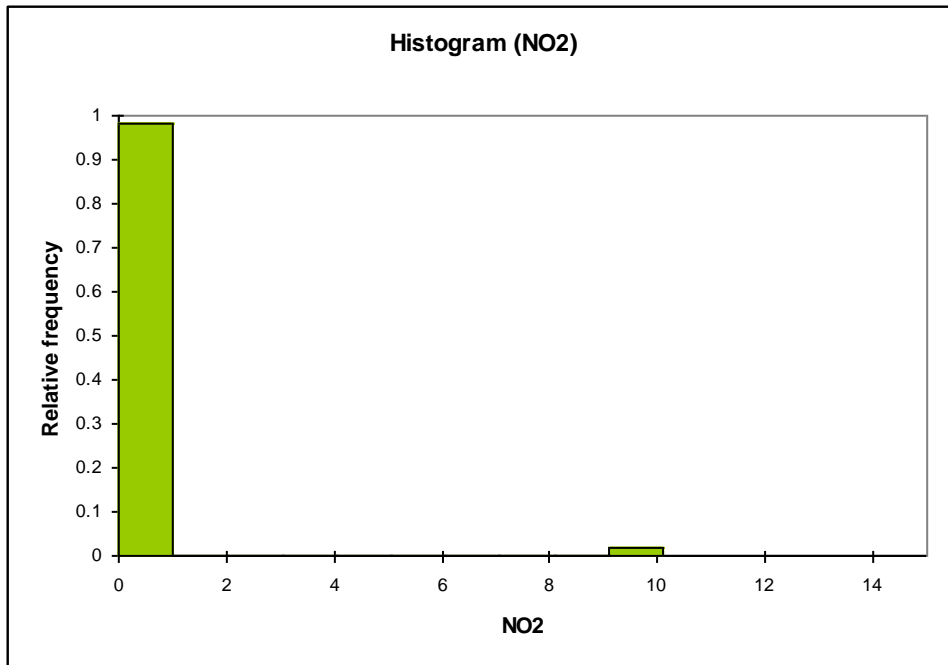
Descriptive statistics for the intervals (O2):

Lower bound	Upper bound	Frequency	Relative frequency	Density
20	20.82	6	0.060	0.073
20.82	21.64	2	0.020	0.024
21.64	22.46	8	0.080	0.098
22.46	23.28	19	0.190	0.232
23.28	24.1	15	0.150	0.183
24.1	24.92	22	0.220	0.268
24.92	25.74	10	0.100	0.122
25.74	26.56	9	0.090	0.110
26.56	27.38	3	0.030	0.037
27.38	28.2	6	0.060	0.073



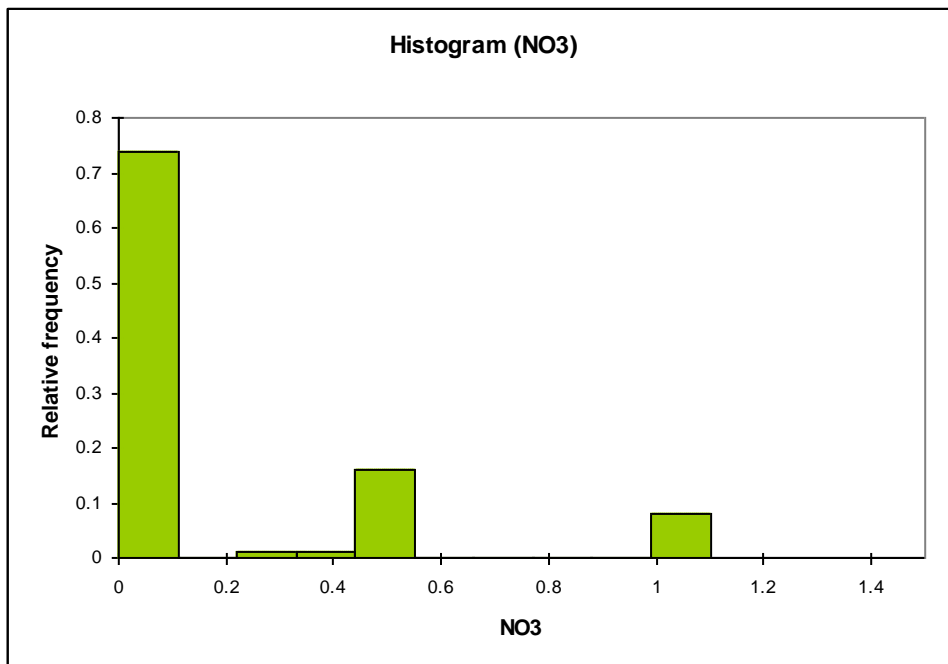
Descriptive statistics for the intervals (t,°):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	2.73	1	0.010	0.004
2.73	5.46	0	0.000	0.000
5.46	8.19	0	0.000	0.000
8.19	10.92	1	0.010	0.004
10.92	13.65	0	0.000	0.000
13.65	16.38	1	0.010	0.004
16.38	19.11	23	0.230	0.084
19.11	21.84	51	0.510	0.187
21.84	24.57	19	0.190	0.070
24.57	27.3	4	0.040	0.015



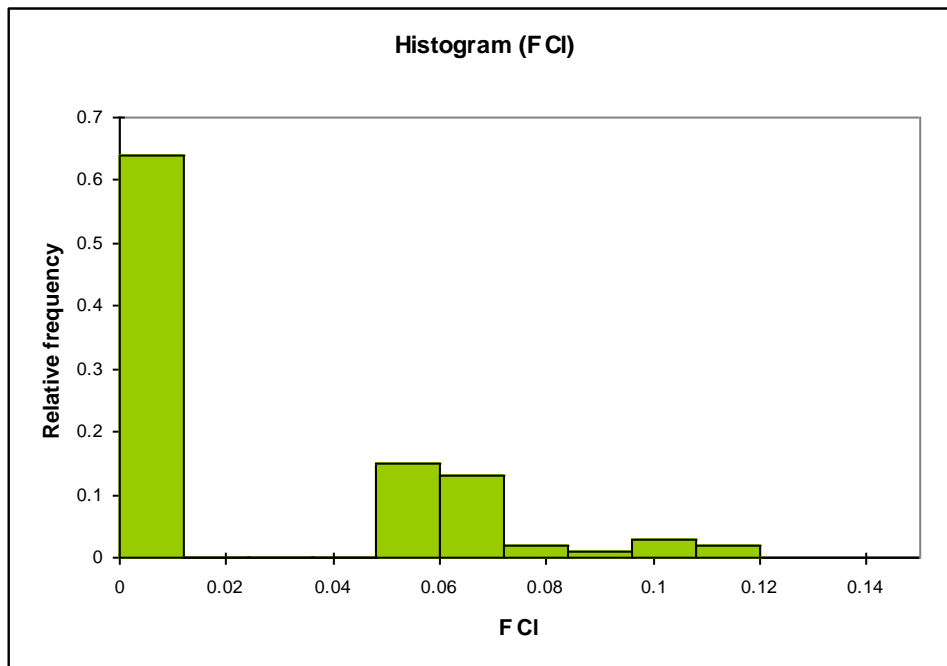
Descriptive statistics for the intervals (NO2):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	1.01	98	0.980	0.970
1.01	2.02	0	0.000	0.000
2.02	3.03	0	0.000	0.000
3.03	4.04	0	0.000	0.000
4.04	5.05	0	0.000	0.000
5.05	6.06	0	0.000	0.000
6.06	7.07	0	0.000	0.000
7.07	8.08	0	0.000	0.000
8.08	9.09	0	0.000	0.000
9.09	10.1	2	0.020	0.020



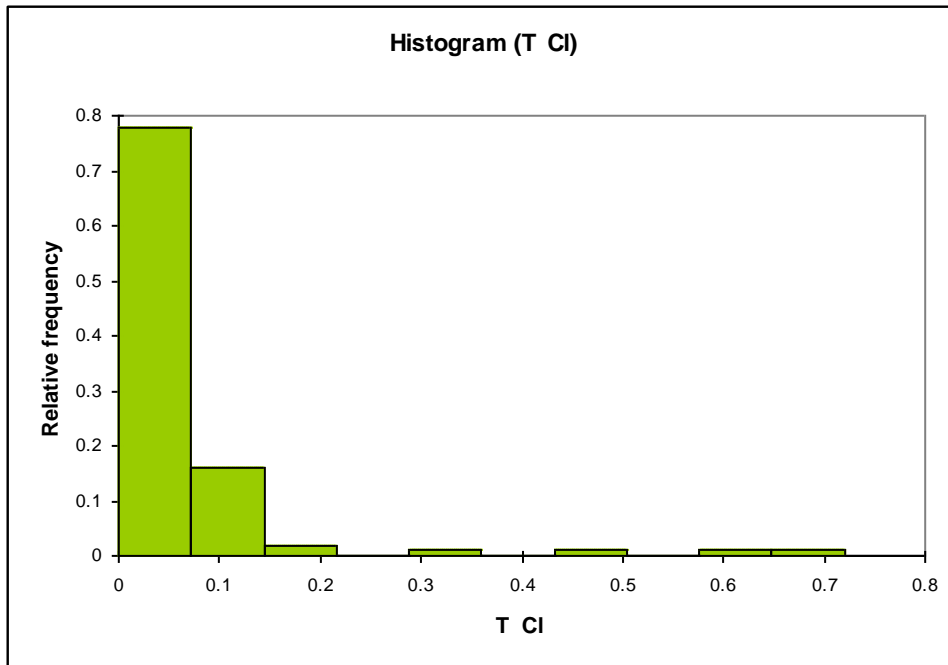
Descriptive statistics for the intervals (NO3):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.11	74	0.740	6.727
0.11	0.22	0	0.000	0.000
0.22	0.33	1	0.010	0.091
0.33	0.44	1	0.010	0.091
0.44	0.55	16	0.160	1.455
0.55	0.66	0	0.000	0.000
0.66	0.77	0	0.000	0.000
0.77	0.88	0	0.000	0.000
0.88	0.99	0	0.000	0.000
0.99	1.1	8	0.080	0.727



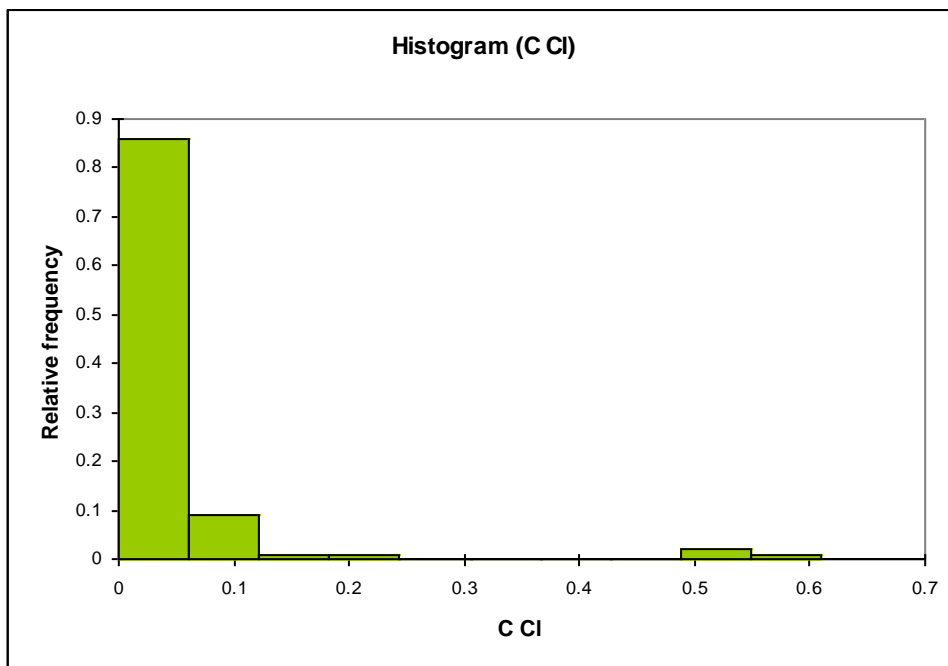
Descriptive statistics for the intervals (F CI):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.012	64	0.640	53.333
0.012	0.024	0	0.000	0.000
0.024	0.036	0	0.000	0.000
0.036	0.048	0	0.000	0.000
0.048	0.06	15	0.150	12.500
0.06	0.072	13	0.130	10.833
0.072	0.084	2	0.020	1.667
0.084	0.096	1	0.010	0.833
0.096	0.108	3	0.030	2.500
0.108	0.12	2	0.020	1.667



Descriptive statistics for the intervals (T CI):

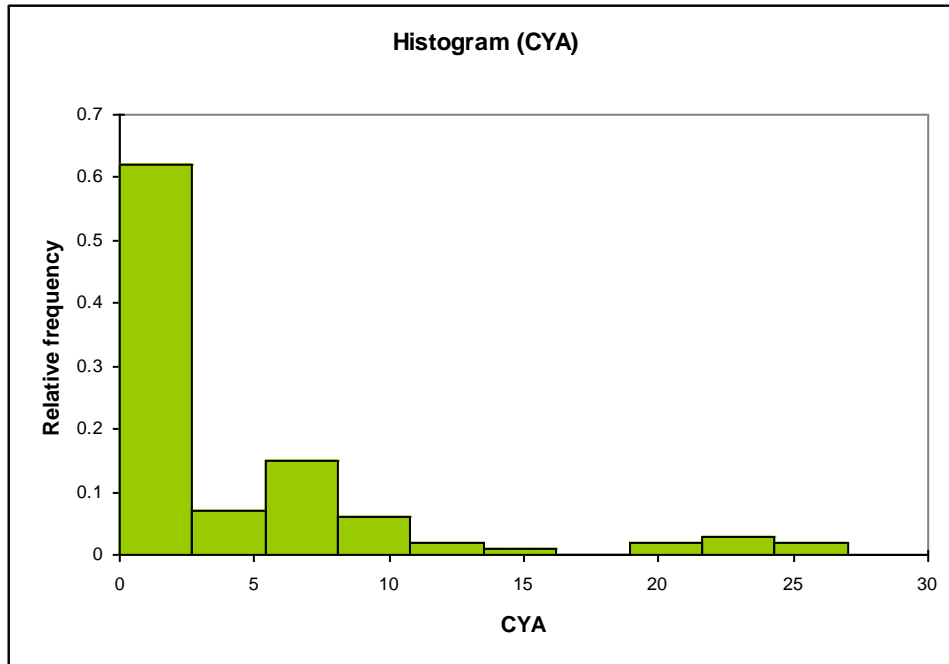
Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.072	78	0.780	10.833
0.072	0.144	16	0.160	2.222
0.144	0.216	2	0.020	0.278
0.216	0.288	0	0.000	0.000
0.288	0.36	1	0.010	0.139
0.36	0.432	0	0.000	0.000
0.432	0.504	1	0.010	0.139
0.504	0.576	0	0.000	0.000
0.576	0.648	1	0.010	0.139
0.648	0.72	1	0.010	0.139





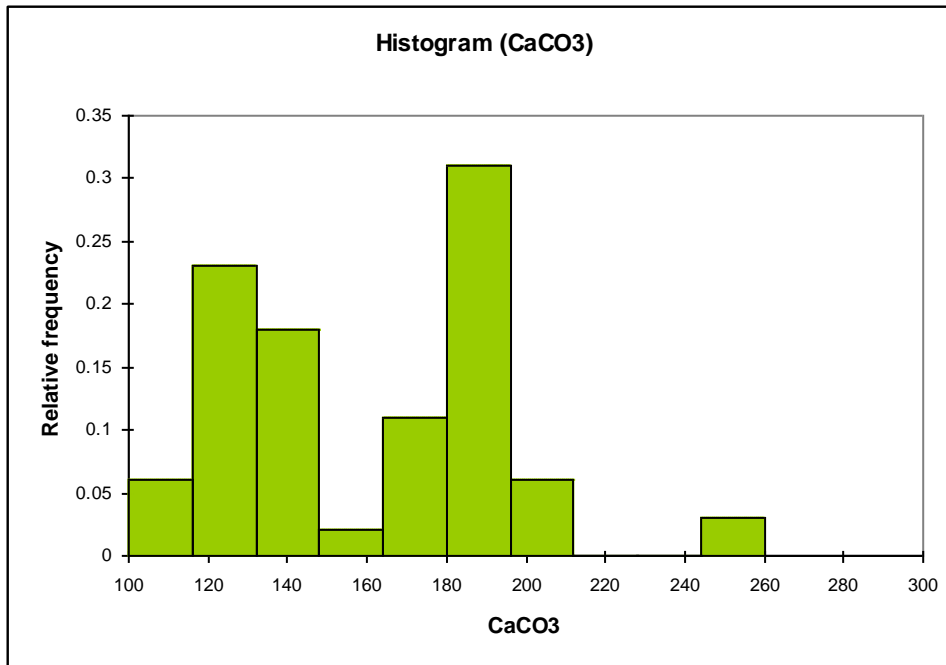
Descriptive statistics for the intervals (C CI):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.061	86	0.860	14.098
0.061	0.122	9	0.090	1.475
0.122	0.183	1	0.010	0.164
0.183	0.244	1	0.010	0.164
0.244	0.305	0	0.000	0.000
0.305	0.366	0	0.000	0.000
0.366	0.427	0	0.000	0.000
0.427	0.488	0	0.000	0.000
0.488	0.549	2	0.020	0.328
0.549	0.61	1	0.010	0.164



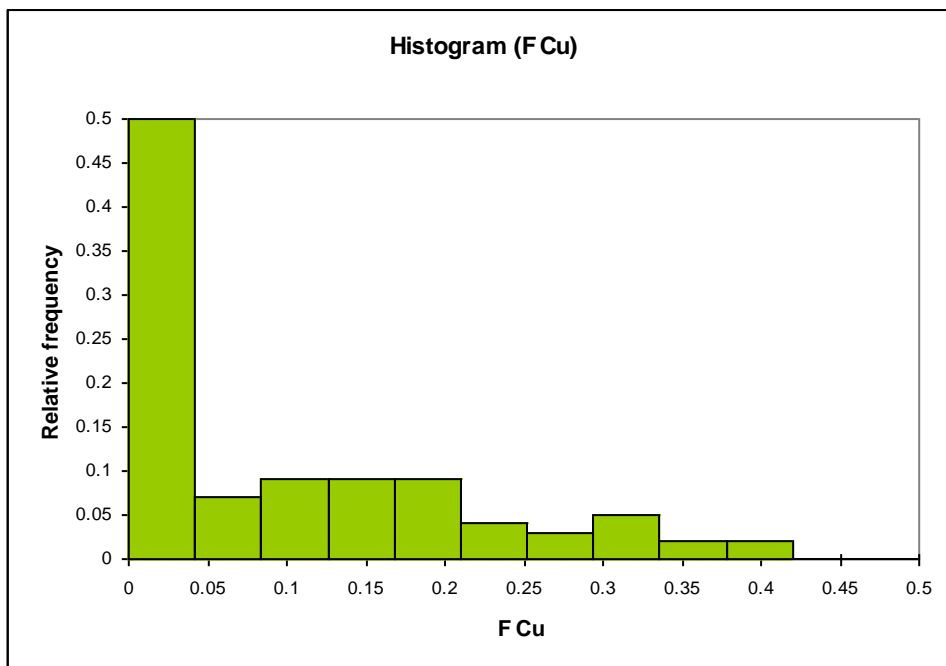
Descriptive statistics for the intervals (CYA):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	2.7	62	0.620	0.230
2.7	5.4	7	0.070	0.026
5.4	8.1	15	0.150	0.056
8.1	10.8	6	0.060	0.022
10.8	13.5	2	0.020	0.007
13.5	16.2	1	0.010	0.004
16.2	18.9	0	0.000	0.000
18.9	21.6	2	0.020	0.007
21.6	24.3	3	0.030	0.011
24.3	27	2	0.020	0.007



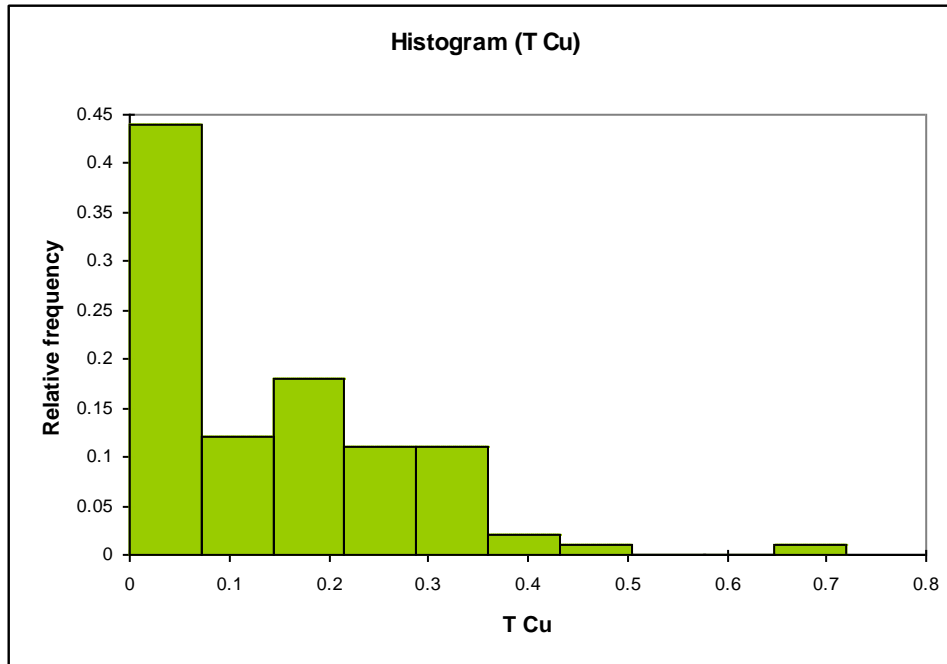
Descriptive statistics for the intervals (CaCO<sub>3</sub>):

Lower bound	Upper bound	Frequency	Relative frequency	Density
100	116	6	0.060	0.004
116	132	23	0.230	0.014
132	148	18	0.180	0.011
148	164	2	0.020	0.001
164	180	11	0.110	0.007
180	196	31	0.310	0.019
196	212	6	0.060	0.004
212	228	0	0.000	0.000
228	244	0	0.000	0.000
244	260	3	0.030	0.002



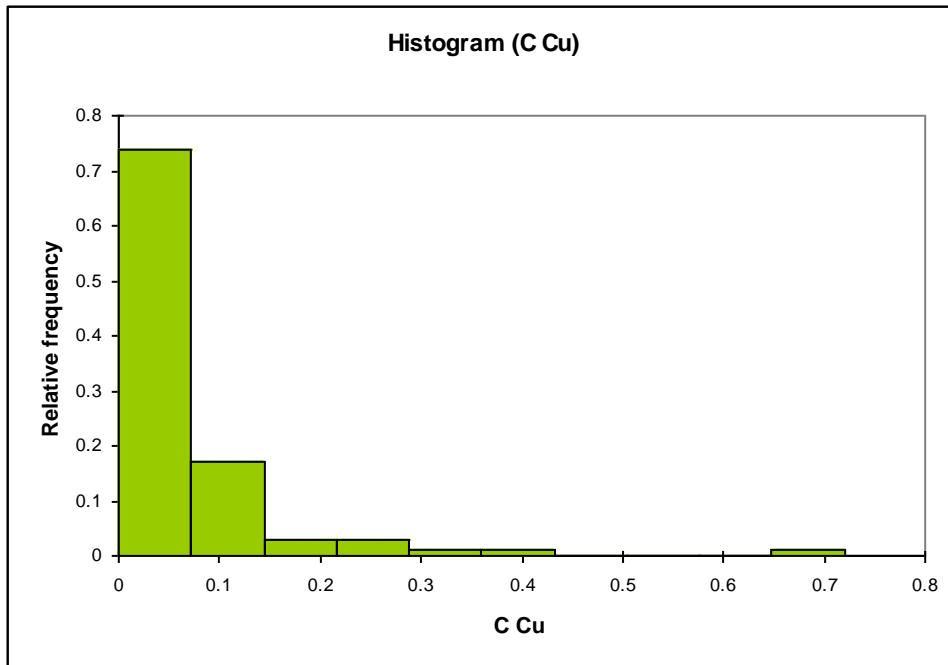
Descriptive statistics for the intervals (F Cu):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.042	50	0.500	11.905
0.042	0.084	7	0.070	1.667
0.084	0.126	9	0.090	2.143
0.126	0.168	9	0.090	2.143
0.168	0.21	9	0.090	2.143
0.21	0.252	4	0.040	0.952
0.252	0.294	3	0.030	0.714
0.294	0.336	5	0.050	1.190
0.336	0.378	2	0.020	0.476
0.378	0.42	2	0.020	0.476



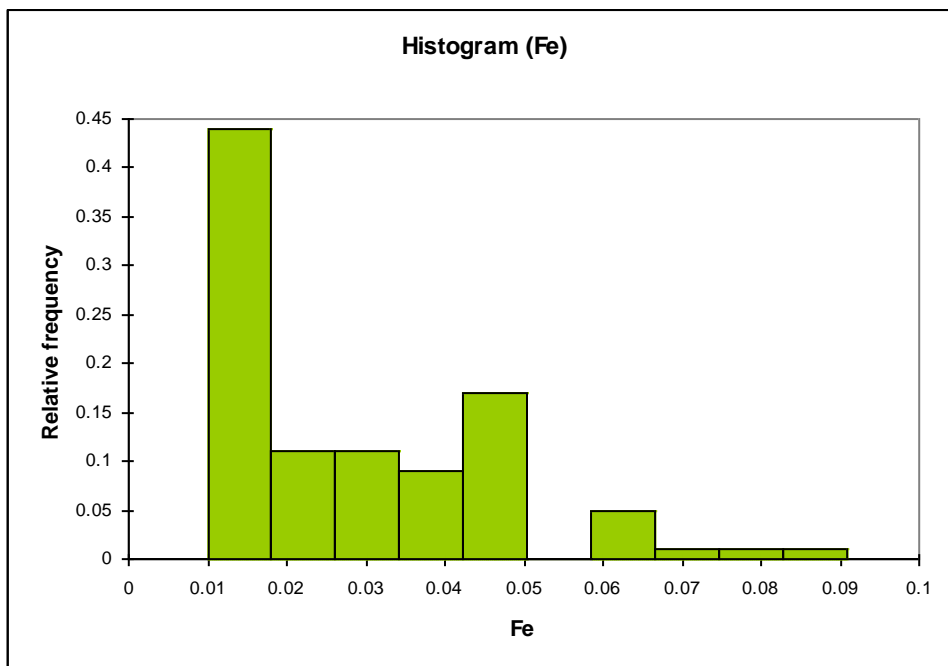
Descriptive statistics for the intervals (T Cu):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.072	44	0.440	6.111
0.072	0.144	12	0.120	1.667
0.144	0.216	18	0.180	2.500
0.216	0.288	11	0.110	1.528
0.288	0.36	11	0.110	1.528
0.36	0.432	2	0.020	0.278
0.432	0.504	1	0.010	0.139
0.504	0.576	0	0.000	0.000
0.576	0.648	0	0.000	0.000
0.648	0.72	1	0.010	0.139



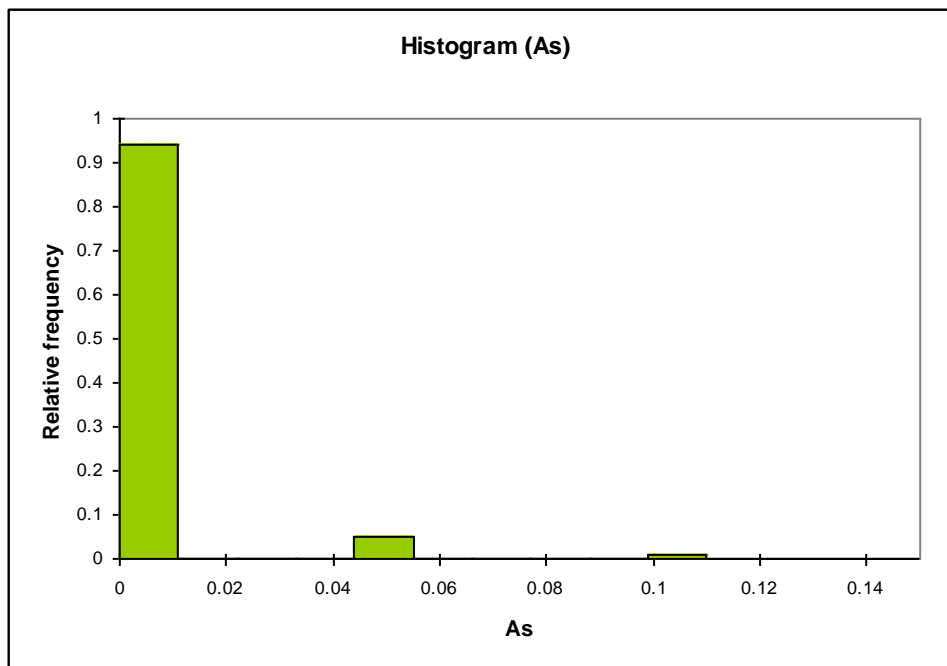
Descriptive statistics for the intervals (C Cu):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.072	74	0.740	10.278
0.072	0.144	17	0.170	2.361
0.144	0.216	3	0.030	0.417
0.216	0.288	3	0.030	0.417
0.288	0.36	1	0.010	0.139
0.36	0.432	1	0.010	0.139
0.432	0.504	0	0.000	0.000
0.504	0.576	0	0.000	0.000
0.576	0.648	0	0.000	0.000
0.648	0.72	1	0.010	0.139



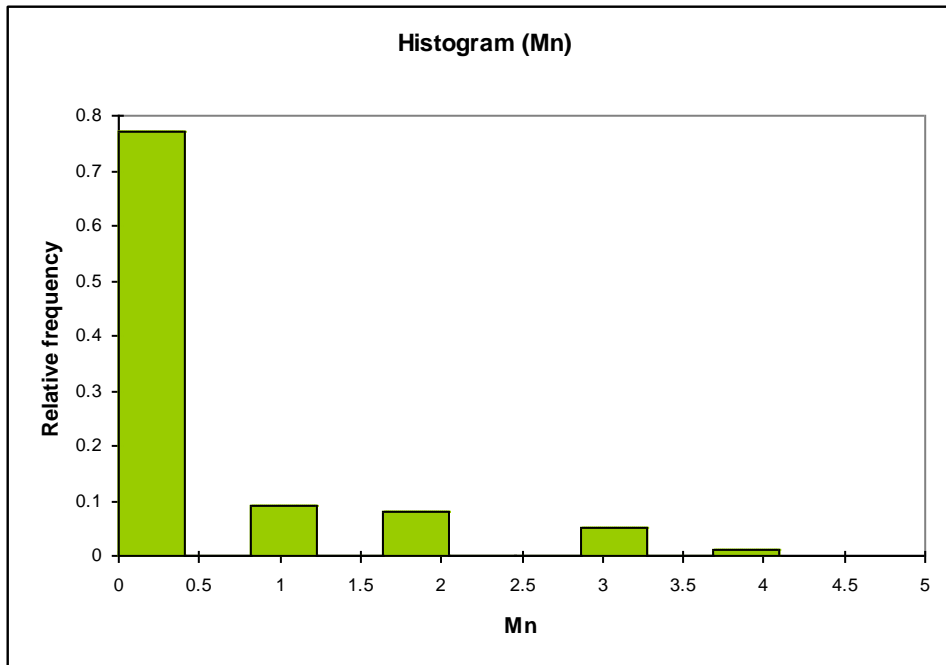
Descriptive statistics for the intervals (Fe):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0.01	0.0181	44	0.440	54.321
0.0181	0.0262	11	0.110	13.580
0.0262	0.0343	11	0.110	13.580
0.0343	0.0424	9	0.090	11.111
0.0424	0.0505	17	0.170	20.988
0.0505	0.0586	0	0.000	0.000
0.0586	0.0667	5	0.050	6.173
0.0667	0.0748	1	0.010	1.235
0.0748	0.0829	1	0.010	1.235
0.0829	0.091	1	0.010	1.235



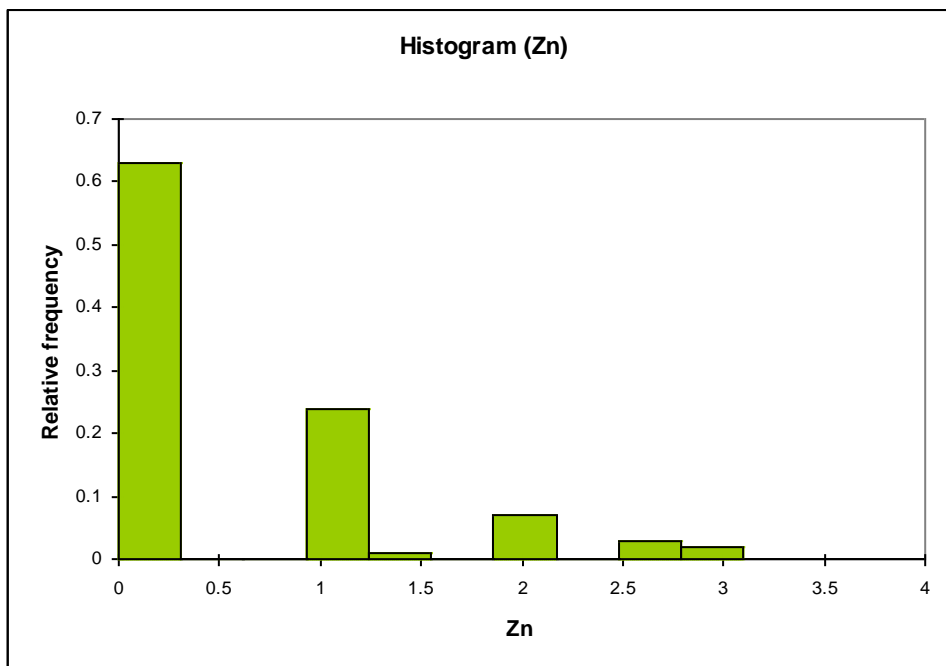
Descriptive statistics for the intervals (As):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.011	94	0.940	85.455
0.011	0.022	0	0.000	0.000
0.022	0.033	0	0.000	0.000
0.033	0.044	0	0.000	0.000
0.044	0.055	5	0.050	4.545
0.055	0.066	0	0.000	0.000
0.066	0.077	0	0.000	0.000
0.077	0.088	0	0.000	0.000
0.088	0.099	0	0.000	0.000
0.099	0.11	1	0.010	0.909



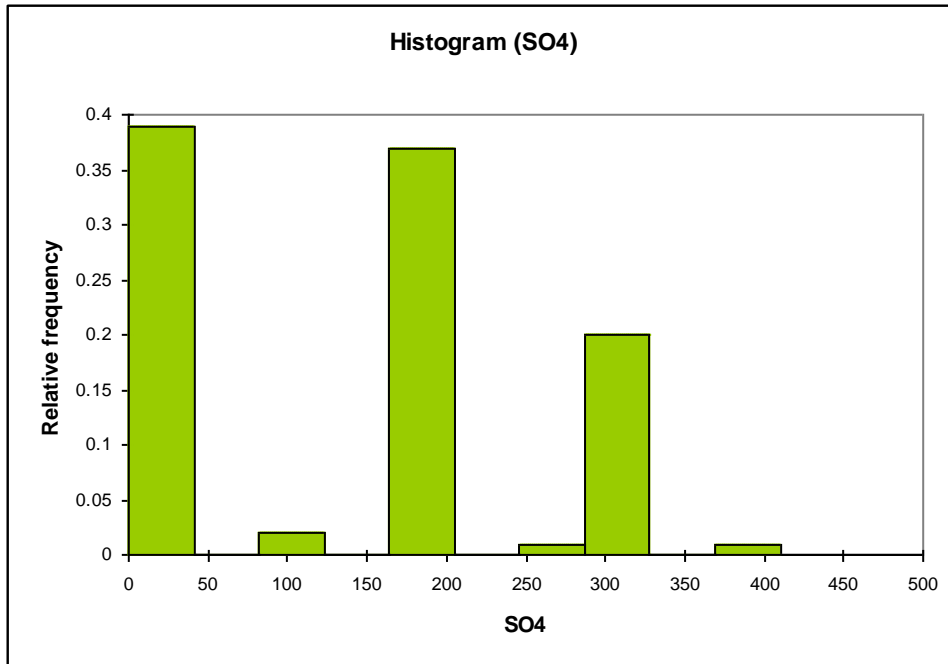
Descriptive statistics for the intervals (Mn):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.41	77	0.770	1.878
0.41	0.82	0	0.000	0.000
0.82	1.23	9	0.090	0.220
1.23	1.64	0	0.000	0.000
1.64	2.05	8	0.080	0.195
2.05	2.46	0	0.000	0.000
2.46	2.87	0	0.000	0.000
2.87	3.28	5	0.050	0.122
3.28	3.69	0	0.000	0.000
3.69	4.1	1	0.010	0.024

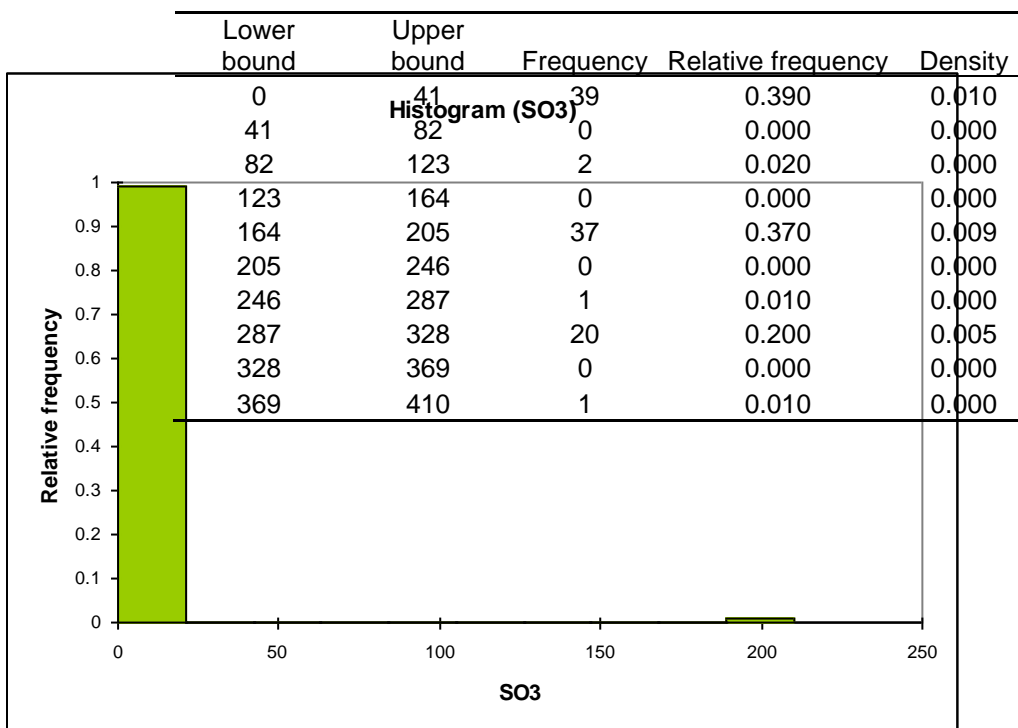


Descriptive statistics for the intervals (Zn):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.31	63	0.630	2.032
0.31	0.62	0	0.000	0.000
0.62	0.93	0	0.000	0.000
0.93	1.24	24	0.240	0.774
1.24	1.55	1	0.010	0.032
1.55	1.86	0	0.000	0.000
1.86	2.17	7	0.070	0.226
2.17	2.48	0	0.000	0.000
2.48	2.79	3	0.030	0.097
2.79	3.1	2	0.020	0.065

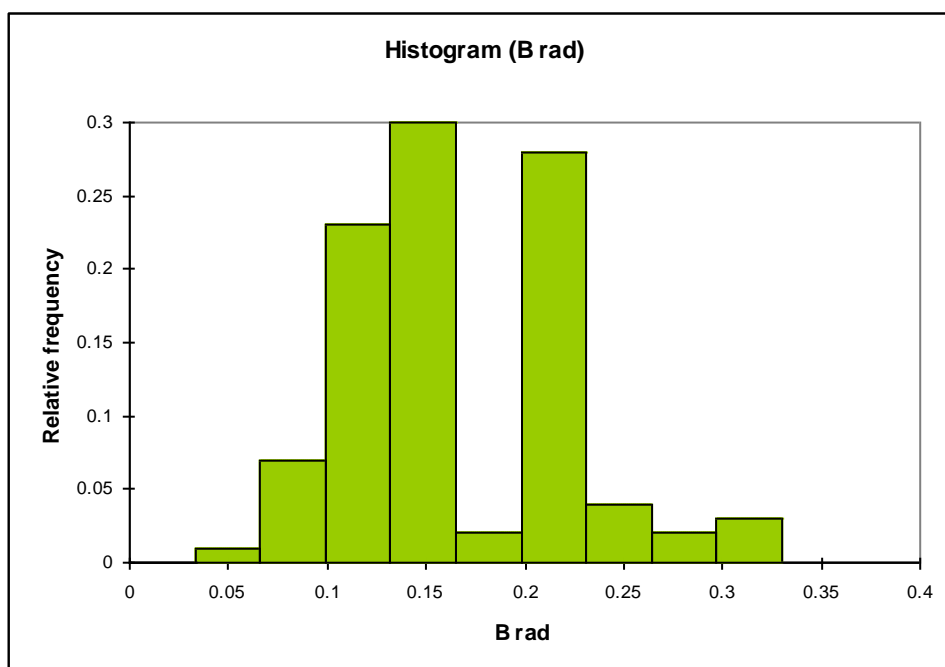


Descriptive statistics for the intervals (SO4):



Descriptive statistics for the intervals (SO3):

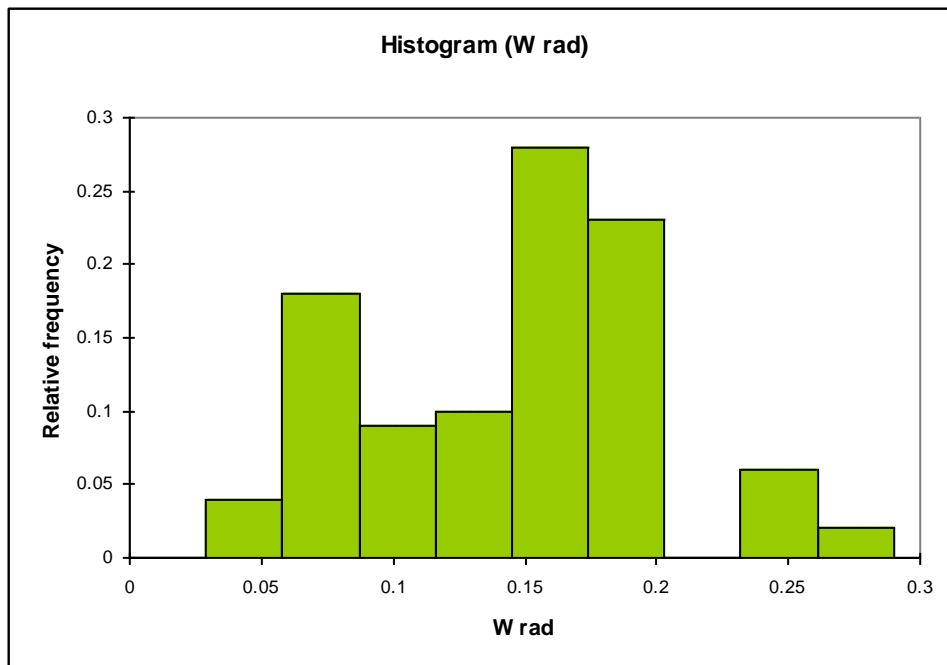
Lower bound	Upper bound	Frequency	Relative frequency	Density
0	21	99	0.990	0.047
21	42	0	0.000	0.000
42	63	0	0.000	0.000
63	84	0	0.000	0.000
84	105	0	0.000	0.000
105	126	0	0.000	0.000
126	147	0	0.000	0.000
147	168	0	0.000	0.000
168	189	0	0.000	0.000
189	210	1	0.010	0.000



Descriptive statistics for the intervals (B rad):

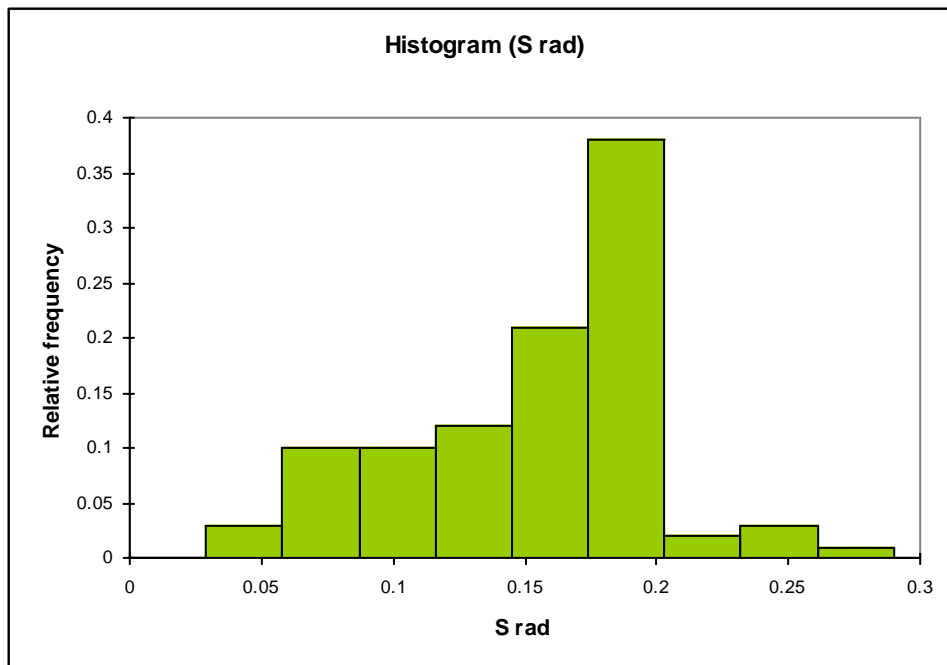
Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.033	0	0.000	0.000
0.033	0.066	1	0.010	0.303
0.066	0.099	7	0.070	2.121
0.099	0.132	23	0.230	6.970
0.132	0.165	30	0.300	9.091
0.165	0.198	2	0.020	0.606
0.198	0.231	28	0.280	8.485
0.231	0.264	4	0.040	1.212
0.264	0.297	2	0.020	0.606
0.297	0.33	3	0.030	0.909





Descriptive statistics for the intervals (W rad):

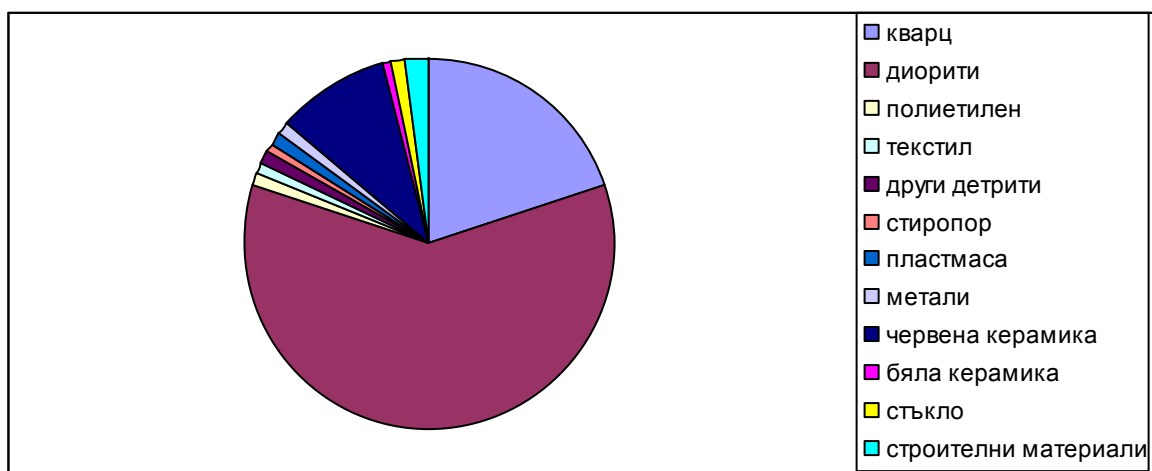
Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.029	0	0.000	0.000
0.029	0.058	4	0.040	1.379
0.058	0.087	18	0.180	6.207
0.087	0.116	9	0.090	3.103
0.116	0.145	10	0.100	3.448
0.145	0.174	28	0.280	9.655
0.174	0.203	23	0.230	7.931
0.203	0.232	0	0.000	0.000
0.232	0.261	6	0.060	2.069
0.261	0.29	2	0.020	0.690



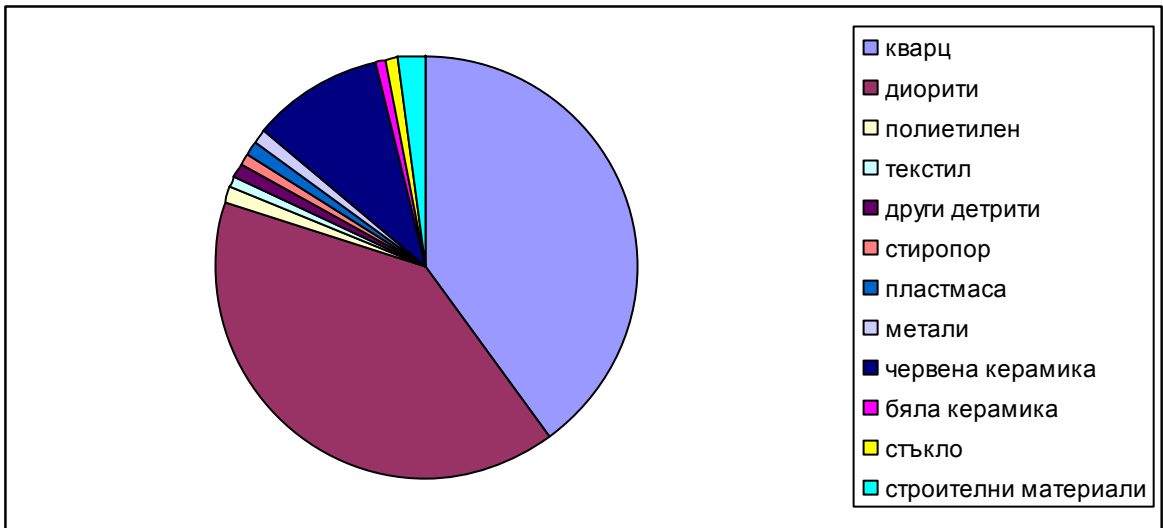
Descriptive statistics for the intervals (S rad):

Lower bound	Upper bound	Frequency	Relative frequency	Density
0	0.029	0	0.000	0.000
0.029	0.058	3	0.030	1.034
0.058	0.087	10	0.100	3.448
0.087	0.116	10	0.100	3.448
0.116	0.145	12	0.120	4.138
0.145	0.174	21	0.210	7.241
0.174	0.203	38	0.380	13.103
0.203	0.232	2	0.020	0.690
0.232	0.261	3	0.030	1.034
0.261	0.29	1	0.010	0.345

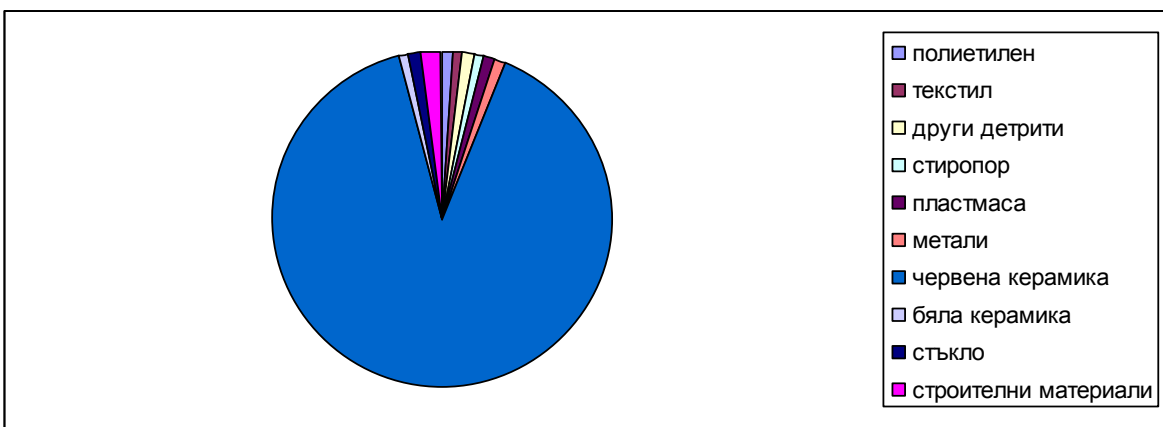
Профил на седимента и антропогенния микродетрит в планинската част на реката, с включено минерално съдържание, обемни проценти Vol.%



Профил на седимента и антропогенния микродетрит в равнинната част на реката, с включено минерално съдържание, обемни проценти Vol.%



Профил на антропогенния микродетрит в равнинната част на реката, с изключено минерално съдържание, обемни проценти Vol.%



Профил на антропогенния микродетрит в някои замърсени пункта на сръбската част на реката (в планинската част в България почти не се наблюдава), с изключено минерално съдържание, обемни проценти Vol.%

