

River: Danube **Catchment:** 77086.00
Distance from mouth: 2204 **Altitude:** 290
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.8	3.28167	3.65
Ammonium (NH ₄ -N)	mg/l	38	< 0.004	0.03418	0.12
BOD (5)	mg/l	12	1.1	1.96667	2.7
Calcium (Ca ⁺⁺)	mg/l	12	50	57.5	67
Chloride (Cl ⁻)	mg/l	12	11.5	18.5	26.5
Conductivity	µS/cm	12	303	372.5	438
DOC	mg/l	12	1.8	2.95	7.6
Dissolved oxygen	mg/l	12	8.6	10.31667	12.4
Flow	m ³ /s	365	607	1218.1178	4894
Macrozoobenthos sapr. index	-	1	2.13	2.13	2.13
Magnesium (Mg ⁺⁺)	mg/l	12	11.6	13.575	15.8
Nitrate (NO ₃ -N)	mg/l	38	1.1	2.12105	3.7
Nitrite (NO ₂ -N)	mg/l	38	< 0.0015	0.01243	0.028
Orthophosphate (PO ₄ -P)	mg/l	38	< 0.0025	0.03192	0.072
Potassium (K ⁺)	mg/l	12	2.1	2.65	3.8
Sodium (Na ⁺)	mg/l	12	9.4	12.14167	15.4
Sulphate (SO ₄ ⁻⁻)	mg/l	12	18.1	24.24167	29.5
Suspended solids	mg/l	9	3.5	11.86667	35.2
TOC	mg/l	12	1.9	3.6	11
Temperature	°C	12	4.8	12.56667	21.5
Total phosphorus	mg/l	38	0.035	0.06858	0.15
Total phosphorus, dissolved	mg/l	35	0.01	0.04466	0.087
pH	-	12	7.9	8.05	8.2

km2 2011
m AT1

C50	C90
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3.20	3.57
0.02	0.082
1.90	2.60
55.80	64.50
18.80	23.20
354.00	428.00
2.30	4.70
10.40	8.80
1113.00	1759.00

12.60	15.30
1.90	3.20
0.012	0.022
0.031	0.055
2.50	3.10
11.70	14.80
23.80	29.10
35.20	35.20
2.80	5.40
11.40	18.70
0.061	0.13
0.041	0.069
8.00	7.90

River: Danube **Catchment:** 101700.00
Distance from mouth: 1935 **Altitude:** 159
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.49	3.13583	3.63
Ammonium (NH ₄ -N)	mg/l	12	< 0.004	0.02258	0.065
BOD (5)	mg/l	12	1	1.85	3
Calcium (Ca ⁺⁺)	mg/l	12	42.8	54.1	64.5
Chloride (Cl ⁻)	mg/l	12	11.9	18.125	27.6
Conductivity	µS/cm	12	285	352.75	416
DOC	mg/l	12	1.1	2.25	3.5
Dissolved oxygen	mg/l	12	7.3	9.725	12.7
Flow	m ³ /s	365	806	1579.8849	6981
Macrozoobenthos sapr. index	-	1	2.11	2.11	2.11
Magnesium (Mg ⁺⁺)	mg/l	12	10.1	12.56667	15.3
Nitrate (NO ₃ -N)	mg/l	12	1.01	2.15583	3.65
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.01125	0.02
Orthophosphate (PO ₄ -P)	mg/l	12	0.007	0.03108	0.053
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	16.5	16.5	16.5
Potassium (K ⁺)	mg/l	12	1.8	2.43333	3
Sodium (Na ⁺)	mg/l	12	7.7	10.86667	15
Sulphate (SO ₄ ⁻⁻)	mg/l	12	18.6	25.51667	31.3
Suspended solids	mg/l	12	< 0.25	6.18333	16.7

km2 2011
m AT3

C50	C90
3.06	3.62
0.016	0.06
1.70	2.80
53.20	62.80
15.40	24.40
333.00	416.00
2.00	3.50
8.30	7.50
1432.00	2169.00
12.30	14.60
1.80	3.45
0.01	0.018
0.034	0.041
2.30	3.00
10.20	13.40
24.30	30.60
3.70	13.00

TOC	mg/l	12	1.7	2.68333	4.8
Temperature	°C	12	2.4	11.55833	20.2
Total phosphorus	mg/l	12	0.035	0.05908	0.144
Total phosphorus, dissolved	mg/l	12	0.018	0.04642	0.075
pH	-	12	8	8.24167	8.4

River: Danube **Catchment:** 84869.00
Distance from mouth: 2113 **Altitude:**
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.98	3.40333	3.87
Ammonium (NH4-N)	mg/l	12	< 0.004	0.02758	0.095
BOD (5)	mg/l	12	1.4	1.98333	2.8
Calcium (Ca++)	mg/l	12	49.2	58.95	72.1
Chloride (Cl-)	mg/l	12	13.2	21.74167	36.6
Conductivity	µS/cm	12	335	395.91667	466
DOC	mg/l	12	1.6	2.14167	3.6
Dissolved oxygen	mg/l	12	8.1	10.79167	12.9
Flow	m3/s	365	666	1338.8383	5150
Macrozoobenthos sapr. index	-	1	2.06	2.06	2.06
Magnesium (Mg++)	mg/l	12	11.9	13.56667	16.3
Nitrate (NO3-N)	mg/l	12	1.49	2.33417	3.8
Nitrite (NO2-N)	mg/l	12	0.007	0.01358	0.031
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.03229	0.068
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	18.5	18.5	18.5

2.40	4.10
11.60	18.70
0.052	0.067
0.046	0.058
8.20	8.10

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km2 **2011**
m **AT5**

C50	C90
3.30	3.87
0.017	0.081
2.00	2.50
57.40	67.20
20.40	28.50
383.00	457.00
2.10	2.40
10.40	8.90
1235.00	1960.00
13.20	14.60
1.88	3.60
0.011	0.021
0.032	0.048

Potassium (K+)	mg/l	12	2.2	2.84167	4.1
Sodium (Na+)	mg/l	12	10.6	14.3	20.2
Sulphate (SO4--)	mg/l	12	15.9	26.06667	34
Suspended solids	mg/l	12	< 0.25	10.54583	33.7
TOC	mg/l	12	1.7	2.375	4.3
Temperature	°C	12	3.7	11.9	19.2
Total phosphorus	mg/l	12	0.027	0.0575	0.097
Total phosphorus, dissolved	mg/l	12	0.022	0.05025	0.087
pH	-	12	8	8.23333	8.6

River: Danube **Catchment:** 130759.00
Distance from mouth: 1879 **Altitude:**
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	5.6	12.98333	26.1
Alkalinity - total	mmol/l	24	2.7	3.315	4.05
Aluminium (Al)	µg/l	12	31	162.75	372
Aluminium (Al), dissolved	µg/l	12	< 5	19.83333	41
Ammonium (NH4-N)	mg/l	24	< 0.004	0.03913	0.109
Arsenic (As)	µg/l	12	< 0.5	1.16667	2.7
Arsenic (As), dissolved	µg/l	12	< 0.5	0.99167	2.7
BOD (5)	mg/l	23	0.8	2.04348	4.3
COD (Cr)	mg/l	12	2	5.625	13.3
COD (Mn)	mg/l	12	1.5	2.70167	4.38
Cadmium (Cd)	µg/l	12	< 0.1	0.10917	0.21

2.70	3.50
13.40	17.90
26.40	30.50
6.50	30.40
2.20	3.40
12.20	18.80
0.053	0.074
0.047	0.067
8.20	8.10

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km2 **2011**
m **AT6**

C50	C90
12.30	15.90
3.38	3.60
105.00	347.00
18.00	34.00
0.023	0.086
1.20	1.40
1.00	1.30
2.00	2.70
4.40	8.20
2.50	3.90
0.10	0.10

Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.10917	0.21
Calcium (Ca++)	mg/l	24	48.1	56.28333	66.7
Chloride (Cl-)	mg/l	24	13	19.37083	28
Chromium (Cr) - total	µg/l	12	< 0.5	0.54167	1
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	24	313	380.20833	461
Copper (Cu)	µg/l	12	1.8	3.45833	6
Copper (Cu), dissolved	µg/l	12	1.6	2.88333	4.3
DOC	mg/l	24	1.5	2.525	4.3
Dissolved oxygen	mg/l	24	6.4	9.70833	13.3
Flow	m3/s	365	802	1674.2602	6673
Iron (Fe)	mg/l	12	0.06	0.30833	0.81
Lead (Pb)	µg/l	12	< 0.5	0.65	1.6
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Macrozoobenthos sapr. index	-	1	2.11	2.11	2.11
Magnesium (Mg++)	mg/l	24	10.9	13.1625	15.8
Manganese (Mn)	mg/l	12	0.011	0.02225	0.045
Mercury (Hg)	µg/l	12	< 0.05	< 0.05	< 0.05
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.5	1.45	2.8
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.04167	1.9
Nitrate (NO3-N)	mg/l	24	1.21	2.28958	3.71
Nitrite (NO2-N)	mg/l	24	0.003	0.01338	0.031
Orthophosphate (PO4-P)	mg/l	24	< 0.0025	0.03615	0.072
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	< 1	22.05	43.1
Potassium (K+)	mg/l	24	2	2.80417	4.3
Sodium (Na+)	mg/l	24	8.6	11.79167	16

River: Danube **Catchment:** 130759.00
Distance from mouth: 1879 **Altitude:**
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	24	16	25.87083	32.9
Suspended solids	mg/l	24	< 0.25	12.19167	143.5
TOC	mg/l	24	1.6	2.8625	4.6
Temperature	°C	24	1.6	11.17917	22.8
Total phosphorus	mg/l	24	0.03	0.06254	0.123
Total phosphorus, dissolved	mg/l	24	0.021	0.05279	0.076
Zinc (Zn)	µg/l	11	2.4	10.29091	19.2

0.10	0.10
55.60	62.20
19.60	25.20
0.50	0.50
0.50	0.50
378.00	448.00
3.00	5.40
2.80	3.60
2.30	3.90
9.00	7.00
1535.00	2355.00
0.20	0.69
0.50	1.20
0.50	0.50
13.00	14.90
0.02	0.032
0.05	0.05
0.05	0.05
1.20	2.40
1.10	1.50
1.96	3.50
0.012	0.019
0.039	0.056
2.80	3.30
10.80	14.20

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km2 **2011**
m **AT6**

C50	C90
25.00	31.90
2.20	21.10
2.70	4.00
10.80	17.90
0.06	0.082
0.054	0.072
10.60	18.50

Zinc (Zn), dissolved	µg/l	11	2.4	7.87273	12.6
pH	-	24	7.8	8.20417	8.7

River: Sava/Drina **Catchment:** 19226.00
Distance from mouth: 16 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.92	3.10667	3.28
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.03792	0.13
Arsenic (As), dissolved	µg/l	12	0.74	2.47417	15.63
BOD (5)	mg/l	12	0.5	1.61333	2.62
COD (Cr)	mg/l	12	9	9.35	11.8
Calcium (Ca ⁺⁺)	mg/l	12	50.4	54.875	62.2
Chloride (Cl ⁻)	mg/l	12	0.77	5.265	34.6
Chromium (Cr), total	µg/l	12	2.7	2.7	2.7
Conductivity	µS/cm	12	261	299.16667	318
Copper (Cu), dissolved	µg/l	12	1.06	3.1725	10.02

8.90 11.40
8.20 7.90

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km2 2011
m BA10

C50	C90
3.12	3.22
0.03	0.04
0.94	4.15
1.37	2.54
9.00	9.80
53.80	57.20
2.40	4.81
2.70	2.70
302.00	310.00
1.93	6.85

Dissolved oxygen	mg/l	12	4.96	9.07833	13.8
Magnesium (Mg++)	mg/l	12	5.5	8.43333	11.9
Nitrate (NO3-N)	mg/l	12	0.07	0.5825	2.42
Nitrite (NO2-N)	mg/l	12	0.005	0.00592	0.011
Orthophosphate (PO4-P)	mg/l	12	0.007	0.00783	0.011
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.09	1.8775	4.29
Suspended solids	mg/l	12	< 1.3	9.60833	19.4
Temperature	°C	12	4.2	12.25	23
Total nitrogen	mg/l	12	< 0.5	0.96167	2.92
Total phosphorus	mg/l	12	< 0.0035	0.03304	0.07
Total phosphorus, dissolved	mg/l	12	0.007	0.02092	0.046
Zinc (Zn), dissolved	µg/l	12	5.37	11.3	23.33
pH	-	12	7.48	8.04083	8.42

River: Sava **Catchment:** 64125.00
Distance from mouth: 190 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.08	3.90667	4.46
Ammonium (NH4-N)	mg/l	12	0.03	0.09167	0.2
Arsenic (As), dissolved	µg/l	12	0.74	1.24833	3.52
BOD (5)	mg/l	12	0.7	2.2225	3.25
COD (Cr)	mg/l	12	9	9.85	14.4
Calcium (Ca++)	mg/l	12	63.3	70.81667	83.9

8.90	6.35
8.50	9.50
0.45	0.76
0.005	0.009
0.007	0.01
1.50	3.99
9.00	18.80
9.00	21.40
0.50	1.27
0.029	0.06
0.016	0.037
10.18	19.50
8.08	7.80

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km2 **2011**
m **BA11**

C50	C90
3.86	4.30
0.06	0.19
0.96	1.52
2.48	3.21
9.00	12.80
67.70	83.80

Chloride (Cl-)	mg/l	12	2.31	17.55167	37.6
Chromium (Cr), total	µg/l	12	2.7	2.9825	6.06
Conductivity	µS/cm	12	356	473.41667	530
Copper (Cu), dissolved	µg/l	12	1.06	3.07167	7.6
Dissolved oxygen	mg/l	12	4.1	7.94667	12.01
Magnesium (Mg++)	mg/l	12	11.6	15.49167	18.2
Nitrate (NO3-N)	mg/l	12	0.32	0.93833	2.12
Nitrite (NO2-N)	mg/l	12	0.005	0.01933	0.043
Orthophosphate (PO4-P)	mg/l	12	0.01	0.04133	0.071
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.15	1.795	4.44
Suspended solids	mg/l	12	2.6	9.23333	48.2
Temperature	°C	12	4.1	13.31667	25.2
Total nitrogen	mg/l	12	< 0.5	1.46583	2.66
Total phosphorus	mg/l	12	0.048	0.08292	0.149
Total phosphorus, dissolved	mg/l	12	0.041	0.06642	0.136
Zinc (Zn), dissolved	µg/l	12	3.99	9.42	21.76
pH	-	12	7.59	7.985	8.4

River: Sava/Una **Catchment:** 4573.00
Distance from mouth: 70 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	4	3.88	4.135	4.28
Ammonium (NH4-N)	mg/l	4	0.03	0.03	0.03

12.60	35.70
2.70	2.73
490.00	519.00
2.17	5.85
7.11	4.50
15.30	18.00
0.86	1.53
0.017	0.03
0.036	0.066
1.08	3.99
2.80	10.40
13.70	21.80
1.37	2.28
0.074	0.123
0.056	0.099
8.24	15.82
7.92	7.70

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km2 **2011**
m **BA12**

C50	C90
4.28	4.28
0.03	0.03

Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74
BOD (5)	mg/l	4	0.5	1.8325	2.97
COD (Cr)	mg/l	4	9	16.325	31.6
Calcium (Ca ⁺⁺)	mg/l	4	65	70.25	73.2
Chloride (Cl ⁻)	mg/l	4	1.99	5.4375	9.3
Chromium (Cr), total	µg/l	4	2.7	5.4425	12.7
Conductivity	µS/cm	4	410	430.75	451
Copper (Cu), dissolved	µg/l	4	1.06	1.57	2.62
Dissolved oxygen	mg/l	4	7.5	9.7775	12
Magnesium (Mg ⁺⁺)	mg/l	4	10	14.325	21.7
Nitrate (NO ₃ -N)	mg/l	4	0.31	0.425	0.56
Nitrite (NO ₂ -N)	mg/l	4	0.005	0.005	0.005
Orthophosphate (PO ₄ -P)	mg/l	4	0.007	0.0085	0.013
Suspended solids	mg/l	4	2.6	16.5	58.2
Temperature	°C	4	14.8	18.625	24.1
Total nitrogen	mg/l	4	< 0.5	0.64	1.06
Total phosphorus	mg/l	4	0.014	0.02775	0.062
Total phosphorus, dissolved	mg/l	4	0.007	0.02275	0.056
Zinc (Zn), dissolved	µg/l	4	5.9	9.1475	11.6
pH	-	4	8	8.2325	8.38

River: Sava/Bosna **Catchment:** 7313.00
Distance from mouth: 78 **Altitude:**

0.74	0.74
2.97	2.97
31.60	31.60
73.20	73.20
9.30	9.30
12.70	12.70
451.00	451.00
2.62	2.62
7.50	7.50
21.70	21.70
0.56	0.56
0.005	0.005
0.013	0.013
58.20	58.20
24.10	24.10
1.06	1.06
0.062	0.062
0.056	0.056
11.60	11.60
8.00	8.00

Location:**Middle**

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	4	3.22	3.465	3.76
Ammonium (NH ₄ -N)	mg/l	4	0.04	0.0475	0.06
Arsenic (As), dissolved	µg/l	4	2.06	3.435	7
BOD (5)	mg/l	4	1.77	1.985	2.13
COD (Cr)	mg/l	4	9	9	9
Calcium (Ca ⁺⁺)	mg/l	4	55	64.3	70.4
Chloride (Cl ⁻)	mg/l	4	10.74	17.4125	27.02
Chromium (Cr), total	µg/l	4	2.7	3.475	4.89
Conductivity	µS/cm	4	410	479	579
Copper (Cu), dissolved	µg/l	4	1.31	2.7875	3.74
Dissolved oxygen	mg/l	4	7.56	8.69	10.7
Magnesium (Mg ⁺⁺)	mg/l	4	10.3	12.475	14.4
Nitrate (NO ₃ -N)	mg/l	4	0.94	1.3775	2.46
Nitrite (NO ₂ -N)	mg/l	4	0.01	0.028	0.051
Orthophosphate (PO ₄ -P)	mg/l	4	0.055	0.09325	0.15
Suspended solids	mg/l	4	2.6	17.65	39.4
Temperature	°C	4	17.5	20.4	25.3
Total nitrogen	mg/l	4	1.46	2.135	3.91
Total phosphorus	mg/l	4	0.121	0.15825	0.208
Total phosphorus, dissolved	mg/l	4	0.099	0.1305	0.171
Zinc (Zn), dissolved	µg/l	4	7.23	12.4625	24.02
pH	-	4	8.06	8.495	8.8

C50	C90
3.76	3.76
0.06	0.06
7.00	7.00
2.13	2.13
9.00	9.00
70.40	70.40
27.02	27.02
4.89	4.89
579.00	579.00
3.74	3.74
7.56	7.56
14.40	14.40
2.46	2.46
0.051	0.051
0.15	0.15
39.40	39.40
25.30	25.30
3.91	3.91
0.208	0.208
0.171	0.171
24.02	24.02
8.06	8.06

River: Sava **Catchment:** 39150.00
Distance from mouth: 457 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.52	4.075	4.84
Ammonium (NH ₄ -N)	mg/l	12	0.06	0.1025	0.27
Arsenic (As), dissolved	µg/l	12	0.74	0.96667	2.02
BOD (5)	mg/l	12	0.61	1.7575	3.02
COD (Cr)	mg/l	12	9	9.01667	9.2
Calcium (Ca ⁺⁺)	mg/l	12	52.7	66.38333	91.8
Chloride (Cl ⁻)	mg/l	11	2.7	8.39727	15.5
Chromium (Cr), total	µg/l	12	2.7	3.72083	8.56
Conductivity	µS/cm	12	385	436.5	541
Copper (Cu), dissolved	µg/l	11	1.06	2.82	6.46
Dissolved oxygen	mg/l	12	4.2	8.6675	12.76
Magnesium (Mg ⁺⁺)	mg/l	12	10.8	15.1	20.6
Nitrate (NO ₃ -N)	mg/l	12	< 0.035	1.11625	2.09
Nitrite (NO ₂ -N)	mg/l	12	0.01	0.01775	0.033
Orthophosphate (PO ₄ -P)	mg/l	12	0.007	0.06275	0.14
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.09	5.80417	57.94
Suspended solids	mg/l	12	< 1.3	6.83333	16
Temperature	°C	12	5	13.93333	24.6
Total nitrogen	mg/l	12	< 0.5	1.64167	2.61
Total phosphorus	mg/l	12	0.041	0.10542	0.21
Total phosphorus, dissolved	mg/l	12	0.014	0.08008	0.165
Zinc (Zn), dissolved	µg/l	12	4.34	9.41583	18.63
pH	-	11	7.4	7.90818	8.35

km2 2011
m BA5

C50	C90
3.94	4.64
0.07	0.19
0.74	1.59
1.62	2.59
9.00	9.00
62.00	80.20
8.34	13.91
2.70	4.53
428.00	480.00
2.05	5.54
7.70	5.99
14.50	20.00
0.85	1.69
0.014	0.027
0.056	0.119
1.04	1.85
5.40	14.00
13.70	22.50
1.36	2.30
0.104	0.14
0.078	0.125
8.99	16.34
7.98	7.48

River: Sava/Una **Catchment:** 9130.00
Distance from mouth: 16 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.82	4.16333	5.12
Ammonium (NH ₄ -N)	mg/l	12	0.03	0.06667	0.3
Arsenic (As), dissolved	µg/l	12	0.74	1.9575	15.04
BOD (5)	mg/l	12	0.85	2.09667	3.48
COD (Cr)	mg/l	12	9	9.575	13.9
Calcium (Ca ⁺⁺)	mg/l	12	63.1	71.48333	83.2
Chloride (Cl ⁻)	mg/l	12	1.14	6.94833	18.5
Chromium (Cr), total	µg/l	12	2.7	3.28917	6.89
Conductivity	µS/cm	12	410	429.25	462
Copper (Cu), dissolved	µg/l	12	1.06	2.25667	6.93
Dissolved oxygen	mg/l	12	6	10.71167	16.8
Magnesium (Mg ⁺⁺)	mg/l	12	9.8	13.50833	18.5
Nitrate (NO ₃ -N)	mg/l	12	0.11	0.31667	0.9
Nitrite (NO ₂ -N)	mg/l	12	< 0.0025	0.00471	0.009
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.01188	0.041
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.09	2.46833	5.48
Suspended solids	mg/l	12	2.6	3.85	12.4
Temperature	°C	12	4	13.125	24.1
Total nitrogen	mg/l	12	< 0.5	0.8375	2.12

km2 2011
m BA6

C50	C90
4.02	4.34
0.03	0.12
0.74	1.05
1.98	2.85
9.00	10.20
70.70	82.60
6.00	9.91
2.70	4.17
424.00	450.00
1.58	3.78
10.35	8.56
13.00	17.40
0.29	0.47
0.005	0.007
0.008	0.014
2.07	4.74
2.60	5.00
12.70	23.90
0.50	2.02

Total phosphorus	mg/l	12	0.014	0.03075	0.058
Total phosphorus, dissolved	mg/l	12	0.007	0.02133	0.05
Zinc (Zn), dissolved	µg/l	12	3.09	12.36417	45
pH	-	12	7.85	8.26917	8.57

River: Sava/Vrbas **Catchment:** 6023.00
Distance from mouth: 12 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.54	3.85833	4.08
Ammonium (NH ₄ -N)	mg/l	12	0.03	0.06917	0.15
Arsenic (As), dissolved	µg/l	12	0.74	0.955	2.19
BOD (5)	mg/l	12	0.92	2.30917	3.89
COD (Cr)	mg/l	12	9	9	9
Calcium (Ca ⁺⁺)	mg/l	12	67.3	72.55	83.4
Chloride (Cl ⁻)	mg/l	12	0.7	3.8075	7.45
Chromium (Cr), total	µg/l	12	2.7	3.34167	6.4
Conductivity	µS/cm	12	350	417.83333	468
Copper (Cu), dissolved	µg/l	12	1.06	4.11667	19.45
Dissolved oxygen	mg/l	12	6.25	9.6025	13.22
Magnesium (Mg ⁺⁺)	mg/l	12	5.5	12.10833	20
Nitrate (NO ₃ -N)	mg/l	12	0.4	1.015	5.35
Nitrite (NO ₂ -N)	mg/l	12	0.008	0.01983	0.037
Orthophosphate (PO ₄ -P)	mg/l	12	0.011	0.0275	0.049

0.026	0.054
0.019	0.04
8.26	22.70
8.22	8.09

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km2 **2011**
m **BA7**

C50	C90
3.86	4.02
0.06	0.11
0.74	1.33
2.37	3.27
9.00	9.00
71.50	77.10
3.06	6.55
2.70	4.86
425.00	449.00
2.20	9.48
9.20	6.82
11.20	14.50
0.53	1.24
0.017	0.031
0.025	0.041

Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.29	2.99167	9.18
Suspended solids	mg/l	11	2.8	9.29091	25.2
Temperature	°C	12	5.2	12.85833	22.3
Total nitrogen	mg/l	12	< 0.5	1.52833	5.86
Total phosphorus	mg/l	12	0.031	0.06708	0.13
Total phosphorus, dissolved	mg/l	12	0.02	0.04608	0.094
Zinc (Zn), dissolved	µg/l	12	2.48	12.30917	51.7
pH	-	12	7.45	8.05917	8.38

River: Sava/Bosna **Catchment:** 11.00
Distance from mouth: 24 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.986	3.3405	4.26
Ammonium (NH ₄ -N)	mg/l	12	0.03	0.12667	0.51
Arsenic (As), dissolved	µg/l	12	0.74	2.16833	6.27
BOD (5)	mg/l	12	1.27	3.725	10.7
COD (Cr)	mg/l	12	9	12.55833	27.5
Calcium (Ca ⁺⁺)	mg/l	12	68.3	109.99167	183
Chloride (Cl ⁻)	mg/l	12	0.5	66.0675	383
Chromium (Cr), total	µg/l	12	2.7	4.83	9.73
Conductivity	µS/cm	12	450	921.58333	1660
Copper (Cu), dissolved	µg/l	12	1.3	3.60167	10.14
Dissolved oxygen	mg/l	12	9.33	11.5	14.82

2.44	6.00
7.20	15.40
11.80	20.40
1.04	1.81
0.056	0.108
0.04	0.079
7.82	15.29
8.10	7.89

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km2 **2011**
m **BA8**

C50	C90
3.52	3.72
0.06	0.35
1.75	3.65
3.26	4.16
9.00	17.00
89.80	164.00
23.00	177.00
4.28	8.31
796.00	1470.00
2.61	9.45
11.20	9.58

Magnesium (Mg ⁺⁺)	mg/l	12	7.4	15.5	22.6
Nitrate (NO ₃ -N)	mg/l	12	0.48	1.69167	5.61
Nitrite (NO ₂ -N)	mg/l	12	0.018	0.0785	0.491
Orthophosphate (PO ₄ -P)	mg/l	12	0.009	0.04275	0.071
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.04	30.135	171.27
Suspended solids	mg/l	12	2.6	12.88333	30.2
Temperature	°C	12	4	13.54167	25
Total nitrogen	mg/l	12	1.01	2.545	6.15
Total phosphorus	mg/l	12	0.046	0.09475	0.169
Total phosphorus, dissolved	mg/l	12	0.031	0.07308	0.131
Zinc (Zn), dissolved	µg/l	12	5.23	12.35083	21.26
pH	-	12	7.97	8.3775	9

River: Sava/Drina **Catchment:** 3884.00
Distance from mouth: 234 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	4	2.76	2.95	3.12
Ammonium (NH ₄ -N)	mg/l	4	0.03	0.0775	0.22
Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74
BOD (5)	mg/l	4	0.66	1.985	4.66
COD (Cr)	mg/l	4	9	9.55	11.2
Calcium (Ca ⁺⁺)	mg/l	4	37.5	47.925	54
Chloride (Cl ⁻)	mg/l	4	0.66	3.3225	8.64

15.50	21.10
1.31	1.95
0.035	0.066
0.039	0.069
10.06	80.96
8.40	24.20
9.70	24.00
2.00	3.39
0.068	0.158
0.06	0.114
12.16	17.63
8.32	8.10

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km2 **2011**
m **BA9**

C50	C90
3.12	3.12
0.22	0.22
0.74	0.74
4.66	4.66
11.20	11.20
54.00	54.00
8.64	8.64

Chromium (Cr), total	µg/l	4	2.7	3.3275	5.21
Conductivity	µS/cm	4	268	283.5	300
Copper (Cu), dissolved	µg/l	4	1.06	3.595	7.92
Dissolved oxygen	mg/l	4	8.13	10.08	12.08
Magnesium (Mg++)	mg/l	4	< 2.5	9.65	19.1
Nitrate (NO3-N)	mg/l	4	0.2	0.2975	0.45
Nitrite (NO2-N)	mg/l	4	0.005	0.00525	0.006
Orthophosphate (PO4-P)	mg/l	4	0.007	0.01325	0.02
Suspended solids	mg/l	4	2.6	6.55	11
Temperature	°C	4	11.7	14.775	16.5
Total nitrogen	mg/l	4	< 0.5	0.7525	1.01
Total phosphorus	mg/l	4	0.022	0.038	0.055
Total phosphorus, dissolved	mg/l	4	0.009	0.018	0.025
Zinc (Zn), dissolved	µg/l	4	6.18	12.6975	20
pH	-	4	8.06	8.2125	8.31

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 35
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	9	3.1	3.28889	3.4
Aluminium (Al)	µg/l	12	< 1.5	11.95417	62.4
Ammonium (NH4-N)	mg/l	12	0.037	0.17017	0.503

5.21	5.21
300.00	300.00
7.92	7.92
8.13	8.13
19.10	19.10
0.45	0.45
0.006	0.006
0.02	0.02
11.00	11.00
16.50	16.50
1.01	1.01
0.055	0.055
0.025	0.025
20.00	20.00
8.06	8.06

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km2 **2011**
m **BG1**

C50	C90
3.40	3.40
1.50	32.90
0.122	0.206

Arsenic (As)	µg/l	12	1.4	1.87417	2.59
Atrazine	µg/l	12	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.6	3.79167	5
COD (Cr)	mg/l	12	7.4	16.275	19.8
COD (Mn)	mg/l	12	2	3.90833	5.2
Cadmium (Cd)	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	12	48.1	57.86667	65.7
Chloride (Cl-)	mg/l	12	17.5	23.15	34.9
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	12	1.69	3.14667	6.13
Dissolved oxygen	mg/l	12	5.3	7.87833	11.2
Iron (Fe)	mg/l	12	0.023	0.09775	0.366
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	12	11.2	16.4	29.2
Manganese (Mn)	mg/l	12	< 0.001	0.00708	0.02
Mercury (Hg)	µg/l	12	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	12	1	2.36583	7.86
Nitrate (NO3-N)	mg/l	11	0.621	1.72782	3.441
Nitrite (NO2-N)	mg/l	12	0.017	0.02608	0.049
Orthophosphate (PO4-P)	mg/l	11	0.039	0.06836	0.128
Petroleum hydrocarbons	mg/l	12	< 0.05	< 0.05	< 0.05
Phenol index	mg/l	12	< 0.001	0.00167	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	3.17	9.16917	19.24
Potassium (K+)	mg/l	12	2.61	3.21167	4.36
Sodium (Na+)	mg/l	12	12.1	17.225	23.8
Sulphate (SO4--)	mg/l	12	26.96	45.43583	64.04
TOC	mg/l	11	2.67	3.67818	4.86
Temperature	°C	12	2	14.64167	25.5
Total nitrogen	mg/l	10	1.66	3.535	5.8
Total phosphorus	mg/l	11	0.064	0.14045	0.401
Zinc (Zn)	µg/l	12	4.81	12.89583	28.1
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	< 0.0005

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 35
Location: Middle

1.74	2.24
0.0025	0.0025
3.80	4.50
16.60	19.80
4.20	4.60
0.025	0.025
57.70	61.30
21.00	34.90
0.50	0.50
2.07	5.22
7.70	5.30
0.046	0.284
0.50	0.50
0.0005	0.0005
15.60	17.00
0.005	0.016
0.25	0.25
1.45	6.86
1.624	2.466
0.021	0.034
0.054	0.112
0.05	0.05
0.001	0.003
8.29	17.17
3.14	3.50
16.60	21.90
40.18	62.08
3.81	4.26
13.20	25.40
5.80	5.80
0.095	0.226
9.40	21.20
0.0005	0.0005

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	9	3.1	3.31111	3.6
Aluminium (Al)	µg/l	11	< 1.5	12.13818	53.9
Ammonium (NH ₄ -N)	mg/l	11	0.056	0.14736	0.379
Arsenic (As)	µg/l	11	1.52	1.91545	2.47
Atrazine	µg/l	12	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.6	3.6	4.3
COD (Cr)	mg/l	12	7.4	15.68333	17.6
COD (Mn)	mg/l	12	2	3.725	4.5
Cadmium (Cd)	µg/l	11	< 0.025	< 0.025	< 0.025
Calcium (Ca ⁺⁺)	mg/l	11	44.1	55.89091	64.9
Chloride (Cl ⁻)	mg/l	11	19.2	24.28182	38.4
Chromium (Cr) - total	µg/l	11	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	11	1.6	2.91818	6.08
Dissolved oxygen	mg/l	12	5.2	7.795	11.1
Iron (Fe)	mg/l	11	0.016	0.08964	0.333
Lead (Pb)	µg/l	11	< 0.5	< 0.5	< 0.5
Lindane (gamma-HCH)	µg/l	12	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg ⁺⁺)	mg/l	11	11.7	17.31818	31.6
Manganese (Mn)	mg/l	11	< 0.001	0.006	0.015
Mercury (Hg)	µg/l	11	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	11	1	2.58455	6.91
Nitrate (NO ₃ -N)	mg/l	11	1.053	2.196	4.34
Nitrite (NO ₂ -N)	mg/l	11	0.017	0.02645	0.049
Orthophosphate (PO ₄ -P)	mg/l	11	0.041	0.06136	0.118
Petroleum hydrocarbons	mg/l	12	< 0.05	0.09167	0.3
Phenol index	mg/l	12	< 0.001	0.00167	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.48	6.2675	15.59
Potassium (K ⁺)	mg/l	11	2.03	2.84818	3.19
Sodium (Na ⁺)	mg/l	11	12.7	17.37273	23.1
Sulphate (SO ₄ ⁻⁻)	mg/l	11	26.07	43.71364	57.96
TOC	mg/l	11	2.88	3.45818	4.03
Temperature	°C	12	2	14.475	24.9
Total nitrogen	mg/l	10	2.6	3.986	5.7
Total phosphorus	mg/l	11	0.074	0.13373	0.391
Zinc (Zn)	µg/l	11	5.03	10.59455	17.5
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	< 0.0005

C50	C90
3.60	3.60
1.50	34.40
0.112	0.217
1.77	2.27
0.0025	0.0025
3.80	4.20
16.30	17.60
4.00	4.40
0.025	0.025
55.70	60.50
22.70	31.40
0.50	0.50
2.60	4.26
7.40	5.30
0.053	0.263
0.50	0.50
0.0005	0.0005
15.90	21.90
0.005	0.013
0.25	0.25
1.43	6.91
2.091	3.393
0.023	0.034
0.059	0.075
0.05	0.30
0.001	0.003
5.03	12.14
2.95	3.14
16.60	22.40
40.42	56.64
3.55	3.90
13.20	24.50
5.70	5.70
0.095	0.208
11.00	13.30
0.0005	0.0005

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 35
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	9	3.3	3.45556	3.8
Aluminium (Al)	µg/l	11	< 1.5	16.33909	63.4
Ammonium (NH4-N)	mg/l	12	0.043	0.1915	0.526
Arsenic (As)	µg/l	11	1.56	1.98636	2.4
Atrazine	µg/l	11	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.8	3.575	4.6
COD (Cr)	mg/l	12	7.5	15.5	18.5
COD (Mn)	mg/l	12	2.1	3.69167	4.8
Cadmium (Cd)	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	12	48.9	56.88333	67.3
Chloride (Cl-)	mg/l	12	19.6	26.93333	38.4
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	12	2.13	5.315	24.3
Dissolved oxygen	mg/l	12	5.1	7.53167	9.98
Iron (Fe)	mg/l	12	0.032	0.13325	0.823
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	12	11.7	18.475	30.6
Manganese (Mn)	mg/l	11	0.004	0.01	0.023
Mercury (Hg)	µg/l	12	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	12	1	2.605	10.4
Nitrate (NO3-N)	mg/l	12	1.148	1.93617	2.845
Nitrite (NO2-N)	mg/l	12	0.016	0.02708	0.049
Orthophosphate (PO4-P)	mg/l	11	0.046	0.07527	0.145
Petroleum hydrocarbons	mg/l	11	< 0.05	0.08727	0.46
Phenol index	mg/l	11	< 0.001	0.00264	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.37	6.88917	16.28
Potassium (K+)	mg/l	12	2.47	3.03	4.96
Sodium (Na+)	mg/l	12	11.9	16.89167	22
Sulphate (SO4--)	mg/l	12	27.72	47.84083	87.71
TOC	mg/l	11	2.7	3.38091	4.4
Temperature	°C	12	2.3	14.46667	24.9
Total nitrogen	mg/l	11	2.61	3.64091	5.4
Total phosphorus	mg/l	12	0.069	0.15083	0.275
Zinc (Zn)	µg/l	12	2.6	9.80583	15
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	< 0.0005

km2 2011
m BG1

C50	C90
3.80	3.80
7.51	35.00
0.13	0.398
2.11	2.30
0.0025	0.0025
3.60	4.40
16.20	17.60
3.90	4.80
0.025	0.025
55.60	61.50
24.40	38.40
0.50	0.50
2.94	9.09
7.40	5.20
0.053	0.294
0.50	0.50
0.0005	0.0005
16.50	29.20
0.008	0.017
0.25	0.25
1.47	4.62
1.953	2.454
0.026	0.034
0.059	0.108
0.05	0.05
0.003	0.004
5.62	10.95
2.84	3.35
16.20	21.00
40.75	62.46
3.11	4.27
12.80	24.50
3.50	4.40
0.134	0.275
9.18	14.40
0.0005	0.0005

River: Iskar **Catchment:** 8646.00
Distance from mouth: 4 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH ₄ -N)	mg/l	4	0.4	2.125	6.1
BOD (5)	mg/l	4	2.6	4.15	6.9
COD (Cr)	mg/l	4	7.8	12.425	21
Calcium (Ca ⁺⁺)	mg/l	4	29	60.125	92.9
Chloride (Cl ⁻)	mg/l	4	17	20.15	23.5
Conductivity	µS/cm	4	320	405.75	452
Dissolved oxygen	mg/l	4	5.2	8.43	12.13
Iron (Fe)	mg/l	4	0.027	0.0755	0.105
Magnesium (Mg ⁺⁺)	mg/l	4	12.8	15.925	19.7
Nitrate (NO ₃ -N)	mg/l	4	0.2	1.3825	2.83
Nitrite (NO ₂ -N)	mg/l	4	0.016	0.02675	0.043
Sulphate (SO ₄ ⁻⁻)	mg/l	4	17.8	43.925	59.6
Suspended solids	mg/l	4	17	22.25	29
Temperature	°C	4	4.7	15.125	25.3
Total nitrogen	mg/l	4	1.92	2.855	3.9
Total phosphorus	mg/l	4	0.02	0.13	0.2
pH	-	4	7.81	8.0425	8.32

km2 2011
m BG12

C50	C90
6.10	6.10
6.90	6.90
21.00	21.00
92.90	92.90
23.50	23.50
452.00	452.00
5.20	5.20
0.105	0.105
19.70	19.70
2.83	2.83
0.043	0.043
59.60	59.60
29.00	29.00
25.30	25.30
3.90	3.90
0.20	0.20
7.81	7.81

River: Vit **Catchment:** 3225.00
Distance from mouth: 7 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH ₄ -N)	mg/l	4	0.07	0.4675	1.4
BOD (5)	mg/l	4	2.6	4.15	6.9
COD (Cr)	mg/l	4	7.8	12.425	21
Calcium (Ca ⁺⁺)	mg/l	4	21.9	47.125	59.6
Chloride (Cl ⁻)	mg/l	4	7.7	17.425	24
Conductivity	μS/cm	4	352	496	600
Iron (Fe)	mg/l	4	0.033	0.05375	0.1
Magnesium (Mg ⁺⁺)	mg/l	4	18.8	35.625	46.5
Nitrate (NO ₃ -N)	mg/l	4	0.5	2.175	4.3
Nitrite (NO ₂ -N)	mg/l	4	0.046	0.06875	0.1
Sulphate (SO ₄ ⁻⁻)	mg/l	4	33.9	43.725	61.9
Total nitrogen	mg/l	4	2.28	3.455	5.02

km2 2011
m BG13

C50	C90
1.40	1.40
6.90	6.90
21.00	21.00
59.60	59.60
24.00	24.00
600.00	600.00
0.10	0.10
46.50	46.50
4.30	4.30
0.10	0.10
61.90	61.90
5.02	5.02

Total phosphorus	mg/l	4	0.09	0.2975	0.6
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River:	Jantra	Catchment:	7862.00
Distance from mouth:	4	Altitude:	
Location:	Middle		

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH4-N)	mg/l	4	0.049	0.12425	0.276
BOD (5)	mg/l	4	1.1	2.5	3.7
COD (Cr)	mg/l	4	8.3	10.765	13.5
Calcium (Ca++)	mg/l	4	52.1	60.475	67.3
Chloride (Cl-)	mg/l	4	14.2	15.525	16.7
Conductivity	µS/cm	4	455	479	501
Dissolved oxygen	mg/l	4	6.1	9.7	13.2
Iron (Fe)	mg/l	4	0.03	0.08175	0.157
Magnesium (Mg++)	mg/l	4	12	18.7	28.6
Nitrate (NO3-N)	mg/l	4	0.573	1.26075	2.11
Nitrite (NO2-N)	mg/l	4	0.0058	0.01445	0.023

0.60 0.60

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km2 2011
m BG14

C50	C90
0.276	0.276
3.70	3.70
13.50	13.50
67.30	67.30
16.70	16.70
501.00	501.00
6.10	6.10
0.157	0.157
28.60	28.60
2.11	2.11
0.023	0.023

Orthophosphate (PO4-P)	mg/l	4	0.226	0.36825	0.504
Sulphate (SO4--)	mg/l	4	26.7	35.125	44
Suspended solids	mg/l	4	2	26.5	85
Temperature	°C	4	3.7	14.725	24.4
Total nitrogen	mg/l	4	1.23	2.1275	3.07
pH	-	4	8.15	8.3225	8.62

River: Russenski Lom **Catchment:** 2947.00
Distance from mouth: 1 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH4-N)	mg/l	4	0.383	0.479	0.703
BOD (5)	mg/l	4	2.5	8.625	12
COD (Cr)	mg/l	4	30.7	39.15	56.7
Calcium (Ca++)	mg/l	4	74.7	85.15	99.1
Chloride (Cl-)	mg/l	4	25.5	30.65	34.7
Conductivity	µS/cm	4	760	824.25	872

0.504	0.504
44.00	44.00
85.00	85.00
24.40	24.40
3.07	3.07
8.15	8.15

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km2 **2011**
m **BG15**

C50	C90
0.703	0.703
12.00	12.00
56.70	56.70
99.10	99.10
34.70	34.70
872.00	872.00

Dissolved oxygen	mg/l	4	6.3	10.375	15.7
Iron (Fe)	mg/l	4	< 0.005	0.06	0.1
Magnesium (Mg++)	mg/l	4	32.5	37.75	42.3
Nitrate (NO3-N)	mg/l	4	3.58	4.9475	8.2
Nitrite (NO2-N)	mg/l	4	0.046	0.059	0.078
Orthophosphate (PO4-P)	mg/l	4	1.01	1.185	1.62
Sulphate (SO4--)	mg/l	4	45.8	50.075	54.2
Suspended solids	mg/l	4	21	49.75	88
Temperature	°C	4	4.4	12.15	19.3
Total nitrogen	mg/l	4	5.11	8.02	11.6
pH	-	4	8.14	8.27	8.44

River: Danube **Catchment:** 608820.00
Distance from mouth: 641 **Altitude:** 20
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Arsenic (As)	µg/l	12	1.51	2.16667	2.97

6.30	6.30
0.10	0.10
42.30	42.30
8.20	8.20
0.078	0.078
1.62	1.62
54.20	54.20
88.00	88.00
19.30	19.30
11.60	11.60
8.14	8.14

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km2 **2011**
m **BG2**

C50	C90
2.11	2.65

Atrazine	µg/l	11	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.6	2.18333	3.4
COD (Cr)	mg/l	12	5.3	6.625	10.7
COD (Mn)	mg/l	12	3.2	4.275	6.7
Cadmium (Cd)	µg/l	12	< 0.025	0.0725	0.1
Calcium (Ca++)	mg/l	12	12.6	54.775	88.4
Chloride (Cl-)	mg/l	12	13.1	18.09167	24.1
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	12	1.29	2.63667	4.13
Iron (Fe)	mg/l	12	< 0.005	0.04183	0.14
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	12	5	17.075	41.3
Manganese (Mn)	mg/l	12	< 0.0005	0.00275	0.007
Mercury (Hg)	µg/l	12	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	12	< 0.5	1.35667	6.21
Nitrate (NO3-N)	mg/l	5	0.3	0.708	1.44
Orthophosphate (PO4-P)	mg/l	12	0.01	0.04333	0.07
Petroleum hydrocarbons	mg/l	11	< 0.05	< 0.05	< 0.05
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Potassium (K+)	mg/l	12	2.11	2.74083	3.1
Sodium (Na+)	mg/l	12	12.5	15.34167	20.5
Sulphate (SO4--)	mg/l	12	23.3	42.29167	60.7
Total nitrogen	mg/l	12	1.15	1.685	2.32
Total phosphorus	mg/l	12	0.04	0.07	0.1
Zinc (Zn)	µg/l	12	< 0.5	2.72417	9.1
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	< 0.0005

River:

Danube

Catchment:

650340.00

0.0025	0.0025
1.90	2.90
5.90	8.60
3.70	5.80
0.10	0.10
53.50	65.40
18.40	21.30
0.50	0.50
2.29	3.41
0.029	0.066
0.50	0.50
0.0005	0.0005
16.20	20.50
0.003	0.006
0.25	0.25
1.03	1.55
1.44	1.44
0.05	0.06
0.05	0.05
0.001	0.001
2.71	3.10
15.10	17.60
35.80	60.70
1.70	2.26
0.07	0.09
0.50	8.33
0.0005	0.0005

Distance from mouth:**554****Altitude:****16****Location:****Right**

Determinand name	Unit	N	Min	Mean	Max
Aluminium (Al)	µg/l	7	3.3	5.15714	10.2
Ammonium (NH ₄ -N)	mg/l	12	0.013	0.0645	0.18
Arsenic (As)	µg/l	12	1.7	2.48083	3.4
Atrazine	µg/l	9	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	< 0.5	1.7	4.7
COD (Cr)	mg/l	12	< 2.5	6.175	9.5
COD (Mn)	mg/l	12	2.24	4.47	7.7
Cadmium (Cd)	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca ⁺⁺)	mg/l	12	46	57.85833	78
Chloride (Cl ⁻)	mg/l	12	15.6	21.2	29
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	12	1.2	2.73333	3.8
Dissolved oxygen	mg/l	12	6.58	9.59333	13.32
Iron (Fe)	mg/l	12	0.023	0.17658	0.79
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	9	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg ⁺⁺)	mg/l	11	13.2	19.64545	26.2
Manganese (Mn)	mg/l	11	< 0.001	0.00591	0.014
Nickel (Ni)	µg/l	12	1.1	2.64333	6.3
Nitrate (NO ₃ -N)	mg/l	12	0.82	1.4825	1.9
Organic nitrogen	mg/l	11	0.5	0.8	1.4
Orthophosphate (PO ₄ -P)	mg/l	12	0.015	0.0645	0.26
Petroleum hydrocarbons	mg/l	8	< 0.05	0.06875	0.2
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	10	0.3	9.39	69.08
Potassium (K ⁺)	mg/l	12	2.5	3.15	4.3
Sodium (Na ⁺)	mg/l	12	13	17.08333	23.4
Sulphate (SO ₄ ⁻⁻)	mg/l	12	27.8	39.725	47.3
TOC	mg/l	12	2.8	4.15	6
Temperature	°C	12	3.7	13.99167	26.5
Total nitrogen	mg/l	12	1.1	2.26667	3.3
Total phosphorus	mg/l	12	0.068	0.14692	0.36
Zinc (Zn)	µg/l	12	1.1	10.75	32.2
p,p'-DDT	µg/l	9	< 0.0005	< 0.0005	< 0.0005
pH	-	12	7.62	8.19417	8.89

m **BG3**

C50	C90
10.20	10.20
0.053	0.12
2.31	3.40
0.0025	0.0025
1.10	4.70
6.40	8.20
3.52	6.70
0.025	0.025
55.30	67.40
19.70	25.00
0.50	0.50
2.80	3.80
9.19	7.13
0.076	0.48
0.50	0.50
0.0005	0.0005
21.40	26.20
0.005	0.01
2.10	4.32
1.60	1.90
0.50	1.30
0.042	0.11
0.20	0.20
0.001	0.001
69.08	69.08
2.90	3.70
15.80	23.40
40.00	47.30
4.00	5.10
9.60	25.80
1.87	3.30
0.12	0.24
5.00	27.80
0.0005	0.0005
8.24	7.64

River: Danube **Catchment:** 669900.00
Distance from mouth: 503 **Altitude:** 12
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	6	2.67	2.94833	3.56
Aluminium (Al)	µg/l	8	< 1.5	5.2625	12.2
Ammonium (NH ₄ -N)	mg/l	9	0.033	0.06944	0.101
Arsenic (As)	µg/l	8	1.91	2.64125	3.18
Atrazine	µg/l	11	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.1	2.30833	3.9
COD (Cr)	mg/l	12	6.1	12.62167	22
COD (Mn)	mg/l	12	3.12	4.19167	7.3
Cadmium (Cd)	µg/l	8	< 0.025	0.32313	2.41
Calcium (Ca ⁺⁺)	mg/l	9	40.8	52.28889	67.4
Chloride (Cl ⁻)	mg/l	9	18.8	22.04444	25.5
Chromium (Cr) - total	µg/l	9	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	8	364	420.625	545
Copper (Cu)	µg/l	8	2	3.66625	6.11
Dissolved oxygen	mg/l	9	5.6	9.51111	16.5
Iron (Fe)	mg/l	9	< 0.005	0.04056	0.16
Lead (Pb)	µg/l	8	< 0.5	0.615	1.42
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg ⁺⁺)	mg/l	9	10.1	13.25556	16.5
Manganese (Mn)	mg/l	8	< 0.001	0.01138	0.039
Mercury (Hg)	µg/l	8	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	8	< 0.5	0.69125	2.03
Nitrate (NO ₃ -N)	mg/l	9	0.2	1.25	2.08
Nitrite (NO ₂ -N)	mg/l	9	0.006	0.017	0.03
Organic nitrogen	mg/l	8	< 0.205	0.4985	0.99
Orthophosphate (PO ₄ -P)	mg/l	9	0.023	0.09722	0.22
Petroleum hydrocarbons	mg/l	12	< 0.05	0.17833	1.23
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.07	5.235	19.9
Potassium (K ⁺)	mg/l	8	2.36	2.81875	3.07
Sodium (Na ⁺)	mg/l	8	13.9	16.475	22.3
Sulphate (SO ₄ ⁻⁻)	mg/l	9	27.4	35.65556	46.9
Suspended solids	mg/l	8	1	9.25	20
TOC	mg/l	12	2.94	3.79	4.45
Temperature	°C	9	3.6	15.96667	27.9

km2 2011
m BG4

C50	C90
3.56	3.56
12.20	12.20
0.101	0.101
3.18	3.18
0.0025	0.0025
2.10	3.40
12.10	17.90
3.90	4.80
2.41	2.41
67.40	67.40
25.50	25.50
0.50	0.50
545.00	545.00
6.11	6.11
5.60	5.60
0.16	0.16
1.42	1.42
0.0005	0.0005
16.50	16.50
0.039	0.039
0.25	0.25
2.03	2.03
2.08	2.08
0.03	0.03
0.99	0.99
0.22	0.22
0.05	0.41
0.001	0.001
2.57	11.30
3.07	3.07
22.30	22.30
46.90	46.90
20.00	20.00
3.82	4.44
27.90	27.90

Total phosphorus	mg/l	8	0.062	0.21563	0.68
Zinc (Zn)	µg/l	8	< 0.5	4.725	18.6
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	< 0.0005

River: Danube **Catchment:** 669900.00
Distance from mouth: 503 **Altitude:** 12
Location: Right

Determinand name	Unit	N	Min	Mean	Max
pH	-	9	7.71	8.09667	8.67

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Left

0.68 0.68
18.60 18.60
0.0005 0.0005

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km2 2011
m BG4

C50	C90
7.71	7.71

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km2 2011
m BG5

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	10	2.57	3.047	3.75
Aluminium (Al)	µg/l	11	< 1.5	8.32727	46.7
Ammonium (NH4-N)	mg/l	11	0.019	0.083	0.182
Arsenic (As)	µg/l	11	1.69	2.19818	3.17
Atrazine	µg/l	10	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	11	2	2.62727	3.2
COD (Cr)	mg/l	11	10.3	14.67273	22.2
COD (Mn)	mg/l	11	3.3	4.12364	5.1
Cadmium (Cd)	µg/l	11	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	11	36.4	52.41818	69.4
Chloride (Cl-)	mg/l	11	21.3	24.7	31.6
Chromium (Cr) - total	µg/l	11	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	10	361	446.8	552
Copper (Cu)	µg/l	11	2	3.45727	6.68
Dissolved oxygen	mg/l	11	6.4	10.47273	18.1
Iron (Fe)	mg/l	11	< 0.005	0.03591	0.093
Lead (Pb)	µg/l	11	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	10	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	11	9.44	13.26727	17.1
Manganese (Mn)	mg/l	11	< 0.001	0.00282	0.01
Mercury (Hg)	µg/l	11	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	11	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	11	0.2	1.20773	2.11
Nitrite (NO2-N)	mg/l	11	0.012	0.02363	0.065
Organic nitrogen	mg/l	11	< 0.205	0.57591	0.91
Orthophosphate (PO4-P)	mg/l	11	0.009	0.03673	0.097
Petroleum hydrocarbons	mg/l	11	< 0.05	< 0.05	< 0.05
Phenol index	mg/l	11	< 0.001	0.00164	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	1.48	14.76091	66.1
Potassium (K+)	mg/l	11	2.18	2.88	3.43
Sodium (Na+)	mg/l	11	14.4	19.40909	27.5
Sulphate (SO4--)	mg/l	11	29.6	39.11818	58.6
Suspended solids	mg/l	10	5	14	34
TOC	mg/l	11	3.14	4.16545	6.08
Temperature	°C	11	2.5	15.81818	26.6
Total nitrogen	mg/l	11	1.09	2.00664	3.12
Total phosphorus	mg/l	11	0.063	0.132	0.301
Zinc (Zn)	µg/l	11	< 0.5	12.21818	40.5

C50	C90
3.75	3.75
1.50	31.40
0.059	0.149
2.07	2.81
0.0025	0.0025
2.60	3.20
14.10	18.80
4.20	4.80
0.025	0.025
53.80	64.40
22.30	29.80
0.50	0.50
552.00	552.00
3.20	5.12
8.40	6.80
0.032	0.074
0.50	0.50
0.0005	0.0005
13.40	15.40
0.001	0.008
0.25	0.25
0.50	0.50
1.35	1.92
0.017	0.031
0.68	0.84
0.035	0.042
0.05	0.05
0.001	0.003
9.02	38.60
2.97	3.15
17.90	26.00
35.40	53.50
34.00	34.00
3.97	5.30
15.40	26.40
1.93	2.72
0.11	0.23
0.50	36.60

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Left

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	10	< 0.0005	< 0.0005	< 0.0005

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	7	2.37	2.83714	3.46
Aluminium (Al)	µg/l	8	< 1.5	3.825	20.1
Ammonium (NH4-N)	mg/l	8	0.008	0.04138	0.078
Arsenic (As)	µg/l	8	1.9	2.3725	2.96
Atrazine	µg/l	7	< 0.0025	< 0.0025	< 0.0025

km2 2011
m BG5

C50	C90
0.0005	0.0005

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km2 2011
m BG5

C50	C90
3.46	3.46
20.10	20.10
0.078	0.078
2.96	2.96
0.0025	0.0025

BOD (5)	mg/l	8	2	2.5375	3.1
COD (Cr)	mg/l	8	10.4	13.725	20.5
COD (Mn)	mg/l	8	3.1	4.1375	4.8
Cadmium (Cd)	µg/l	8	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	8	35.8	46.6125	60.8
Chloride (Cl-)	mg/l	8	19.1	22.2875	26.5
Chromium (Cr) - total	µg/l	8	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	7	352	404	503
Copper (Cu)	µg/l	8	2.03	3.39125	5.06
Dissolved oxygen	mg/l	8	6.2	8.425	14
Iron (Fe)	mg/l	8	< 0.005	0.01025	0.03
Lead (Pb)	µg/l	8	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	7	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	8	10.5	13.1875	15.5
Manganese (Mn)	mg/l	8	< 0.001	0.00275	0.007
Mercury (Hg)	µg/l	8	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	8	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	8	0.309	1.07738	1.57
Nitrite (NO2-N)	mg/l	8	0.008	0.01378	0.0252
Organic nitrogen	mg/l	8	< 0.205	0.395	0.77
Orthophosphate (PO4-P)	mg/l	8	0.011	0.03413	0.055
Petroleum hydrocarbons	mg/l	8	< 0.05	< 0.05	< 0.05
Phenol index	mg/l	8	< 0.001	0.0015	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	8	0.74	15.5375	52.1
Potassium (K+)	mg/l	8	2.2	2.72375	3.09
Sodium (Na+)	mg/l	8	14.3	16.8875	23
Sulphate (SO4--)	mg/l	8	29.1	35	41.6
Suspended solids	mg/l	7	6	11.14286	21
TOC	mg/l	8	3.03	3.67625	4.32
Temperature	°C	8	5.3	20.1	26.6
Total nitrogen	mg/l	8	1.13	1.68788	2.39
Total phosphorus	mg/l	8	0.055	0.10675	0.232
Zinc (Zn)	µg/l	8	< 0.5	25.05	97.3

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	7	< 0.0005	< 0.0005	< 0.0005

3.10	3.10
20.50	20.50
4.80	4.80
0.025	0.025
60.80	60.80
26.50	26.50
0.50	0.50
503.00	503.00
5.06	5.06
6.20	6.20
0.03	0.03
0.50	0.50
0.0005	0.0005
15.50	15.50
0.007	0.007
0.25	0.25
0.50	0.50
1.57	1.57
0.0252	0.0252
0.77	0.77
0.055	0.055
0.05	0.05
0.005	0.005
52.10	52.10
3.09	3.09
23.00	23.00
41.60	41.60
21.00	21.00
4.32	4.32
26.60	26.60
2.39	2.39
0.232	0.232
97.30	97.30

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km2 **2011**
m **BG5**

C50	C90
0.0005	0.0005

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	10	2.47	3.126	4.05
Aluminium (Al)	µg/l	12	< 1.5	14.10833	41.1
Ammonium (NH4-N)	mg/l	12	0.006	0.05367	0.107
Arsenic (As)	µg/l	12	1.79	2.255	2.96
Atrazine	µg/l	10	< 0.0025	< 0.0025	< 0.0025
BOD (5)	mg/l	12	1.7	2.38333	3.4
COD (Cr)	mg/l	12	11.1	13.84167	18.1
COD (Mn)	mg/l	12	3.1	3.87	4.8
Cadmium (Cd)	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	12	36.1	51.43333	65.4
Chloride (Cl-)	mg/l	12	19.5	23.41667	27.6
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5

km2 2011
m BG5

C50	C90
4.05	4.05
1.50	36.40
0.049	0.102
1.95	2.89
0.0025	0.0025
2.30	3.00
12.90	17.20
3.80	4.40
0.025	0.025
54.00	61.20
22.30	26.90
0.50	0.50

Conductivity	µS/cm	11	354	443.54545	547
Copper (Cu)	µg/l	12	2.1	3.92	9.78
Dissolved oxygen	mg/l	12	5.9	10.39167	17.1
Iron (Fe)	mg/l	12	< 0.005	0.04192	0.097
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	10	< 0.0005	< 0.0005	< 0.0005
Magnesium (Mg++)	mg/l	12	11.5	14.9	19.9
Manganese (Mn)	mg/l	12	< 0.001	0.01	0.07
Mercury (Hg)	µg/l	12	< 0.25	< 0.25	< 0.25
Nickel (Ni)	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	12	0.29	1.29592	2.23
Nitrite (NO2-N)	mg/l	12	0.01	0.01784	0.024
Organic nitrogen	mg/l	12	< 0.205	0.5175	0.81
Orthophosphate (PO4-P)	mg/l	12	0.01	0.05108	0.107
Petroleum hydrocarbons	mg/l	12	< 0.05	0.10917	0.46
Phenol index	mg/l	12	< 0.001	0.00333	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.414	12.97783	62.2
Potassium (K+)	mg/l	12	2.02	2.82417	3.28
Sodium (Na+)	mg/l	12	13.6	18.00833	24.3
Sulphate (SO4--)	mg/l	12	31.9	38.9	56.9
Suspended solids	mg/l	11	6	16.18182	49
TOC	mg/l	12	2.83	3.775	4.57
Temperature	°C	12	2.3	14.85	26.5
Total nitrogen	mg/l	12	1.16	1.98667	3.17
Total phosphorus	mg/l	12	0.077	0.13967	0.306
Zinc (Zn)	µg/l	12	< 0.5	15.41667	95.8

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 7
Location: Right

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	10	< 0.0005	< 0.0005	< 0.0005

452.00	534.00
3.12	5.67
8.20	6.60
0.032	0.084
0.50	0.50
0.0005	0.0005
14.50	17.30
0.001	0.017
0.25	0.25
0.50	0.50
1.15	2.07
0.0182	0.024
0.63	0.81
0.044	0.104
0.05	0.20
0.001	0.009
4.50	34.60
2.84	3.14
16.80	24.20
35.60	52.30
11.00	24.00
3.80	4.34
13.80	26.10
1.85	2.76
0.11	0.238
0.50	31.80

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km2 **2011**
m **BG5**

C50	C90
0.0005	0.0005

River: Morava **Catchment:** 9725.00
Distance from mouth: 79 **Altitude:** 150
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	8.5	14.95833	23
Alkalinity - total	mmol/l	12	2.62	3.1725	3.81
Aluminium (Al)	µg/l	12	< 2.5	273.11667	900
Aluminium (Al), dissolved	µg/l	12	< 2.5	7.00917	17.7
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.10167	0.32
Arsenic (As)	µg/l	12	< 0.5	1.11833	1.54
Arsenic (As), dissolved	µg/l	12	< 0.5	0.69333	1.38
Atrazine	µg/l	12	< 0.001	0.00768	0.0134
BOD (5)	mg/l	12	1.5	2.70833	4.3
COD (Cr)	mg/l	12	6.2	12.95	18.1
Cadmium (Cd)	µg/l	12	< 0.025	0.03592	0.083
Cadmium (Cd), dissolved	µg/l	12	< 0.025	0.02725	0.052

km2 2011
m CZ1

C50	C90
14.00	18.00
3.12	3.56
155.00	590.00
2.50	15.60
0.04	0.24
1.13	1.42
0.50	1.27
0.007	0.0113
2.20	3.80
12.60	17.00
0.025	0.068
0.025	0.025

Calcium (Ca ⁺⁺)	mg/l	12	53.9	70.83333	89.9
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05
Chloride (Cl ⁻)	mg/l	12	17.5	29.33333	46.7
Chloroform	µg/l	11	< 0.015	0.02273	0.1
Chromium (Cr) - total	µg/l	12	0.703	1.3085	2.17
Conductivity	µS/cm	12	423	550.75	700
Copper (Cu)	µg/l	12	1.62	3.72167	6.22
Copper (Cu), dissolved	µg/l	12	1.01	2.19667	3.64
Dissolved oxygen	mg/l	12	8.5	11.14167	13.7
Flow	m ³ /s	365	11.1	50.17726	261
Iron (Fe)	mg/l	12	< 0.005	0.52	1.55
Lead (Pb)	µg/l	12	< 0.25	0.97975	3.3
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00131	0.0034
Macrozoobenthos sapr. index	-	2	2.12	2.145	2.17
Magnesium (Mg ⁺⁺)	mg/l	12	8.54	12.57583	16.1
Manganese (Mn)	mg/l	12	< 0.0025	0.13088	0.242
Mercury (Hg)	µg/l	12	< 0.025	< 0.025	< 0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025
Nickel (Ni)	µg/l	12	2.37	5.43833	8.33
Nickel (Ni), dissolved	µg/l	12	2.28	4.62	7.96
Nitrate (NO ₃ -N)	mg/l	12	1.33	2.75667	3.89
Nitrite (NO ₂ -N)	mg/l	12	0.018	0.0335	0.054
Orthophosphate (PO ₄ -P)	mg/l	12	0.01	0.05092	0.093
PAHs (Borneff 6)	µg/l	12	0.004	0.01817	0.066
Phenol index	mg/l	12	< 0.0004	0.00062	0.0013

River: Morava **Catchment:** 9725.00
Distance from mouth: 79 **Altitude:** 150
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	3.2	32.4	82.5
Potassium (K ⁺)	mg/l	12	4.18	5.55	7.9
Sodium (Na ⁺)	mg/l	12	15.5	23.94167	36.2
Sulphate (SO ₄ ⁻⁻)	mg/l	12	47.7	69.13333	89.7
Suspended solids	mg/l	12	4	29.33333	97
TOC	mg/l	12	2.64	3.64083	4.35
Temperature	°C	12	1.9	12.05	22.8
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05

69.80	87.90
0.05	0.05
29.20	38.60
0.015	0.015
1.16	1.70
534.00	643.00
3.69	4.71
1.68	3.38
10.90	8.90
38.80	99.30
0.385	0.864
0.604	1.51
0.25	0.25
0.001	0.0023

12.50	15.20
0.123	0.187
0.025	0.025
0.025	0.025
4.94	7.24
4.36	5.29
2.57	3.76
0.034	0.045
0.034	0.091
0.011	0.037
0.0004	0.0011

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km2 **2011**
m **CZ1**

C50	C90
82.50	82.50
4.88	7.50
21.90	33.10
69.50	81.70
19.00	62.00
3.60	4.20
10.90	22.00
0.05	0.05

Total phosphorus	mg/l	12	0.066	0.12933	0.195
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Zinc (Zn)	µg/l	12	< 2.5	19.035	43.4
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001
pH	-	12	7.6	8.03333	8.7

River: Morava/Dyje **Catchment:** 12540.00
Distance from mouth: 17 **Altitude:** 155
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	14	22.25	28
Alkalinity - total	mmol/l	12	2.76	3.22667	3.79
Aluminium (Al)	µg/l	12	90	167.83333	299
Aluminium (Al), dissolved	µg/l	12	< 2.5	6.1525	23.5
Ammonium (NH4-N)	mg/l	12	< 0.01	0.12167	0.28
Arsenic (As)	µg/l	12	1.2	2.32083	4.59
Arsenic (As), dissolved	µg/l	12	< 0.5	1.95917	4.41

0.12	0.191
0.05	0.05
12.70	39.50
0.001	0.001
8.00	7.80

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km2 **2011**
m **CZ2**

C50	C90
22.00	28.00
3.19	3.53
153.00	286.00
2.50	11.50
0.10	0.20
1.64	3.74
1.32	3.16

Atrazine	µg/l	12	0.0057	0.01055	0.016
BOD (5)	mg/l	12	1.2	2.41667	3.2
COD (Cr)	mg/l	12	14.6	19.05	24.2
Cadmium (Cd)	µg/l	12	< 0.025	0.02842	0.066
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	12	60.1	71.075	87.8
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05
Chloride (Cl-)	mg/l	12	32.3	45.25	53.9
Chloroform	µg/l	12	< 0.015	< 0.015	< 0.015
Chromium (Cr) - total	µg/l	12	< 0.25	1.27417	2.23
Conductivity	µS/cm	12	652	734.66667	814
Copper (Cu)	µg/l	12	2.37	3.20917	4.97
Copper (Cu), dissolved	µg/l	12	1.24	2.00833	2.72
Dissolved oxygen	mg/l	12	6.8	10.875	14.8
Flow	m3/s	365	13.9	37.4211	175.6
Iron (Fe)	mg/l	12	0.166	0.297	0.597
Lead (Pb)	µg/l	12	< 0.25	0.675	1.73
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001
Macrozoobenthos sapr. index	-	2	2.16	2.285	2.41
Magnesium (Mg++)	mg/l	12	22.9	29.45833	35.7
Manganese (Mn)	mg/l	12	0.064	0.16508	0.306
Mercury (Hg)	µg/l	12	< 0.025	0.03625	0.08
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025
Nickel (Ni)	µg/l	12	4.51	5.61333	7.04
Nickel (Ni), dissolved	µg/l	12	4.17	5.1925	6.48
Nitrate (NO3-N)	mg/l	12	0.2	2.91667	6.56
Nitrite (NO2-N)	mg/l	12	0.014	0.041	0.1
Orthophosphate (PO4-P)	mg/l	12	0.047	0.19117	0.452
PAHs (Borneff 6)	µg/l	12	0.004	0.00733	0.013
Phenol index	mg/l	12	< 0.0004	0.00052	0.0012

River: Morava/Dyje **Catchment:** 12540.00
Distance from mouth: 17 **Altitude:** 155
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	< 1.25	26.53889	69.6
Potassium (K+)	mg/l	12	6.5	8.4825	10.4
Sodium (Na+)	mg/l	12	28.8	37.625	44.2

0.0103	0.0151
2.60	3.20
18.10	23.60
0.025	0.025
0.025	0.025
70.80	84.80
0.05	0.05
45.10	53.00
0.015	0.015
1.25	1.65
730.00	803.00
3.03	3.75
1.92	2.64
10.50	6.90
26.60	69.10
0.236	0.561
0.698	1.01
0.25	0.25
0.001	0.001
28.40	35.60
0.127	0.305
0.025	0.07
0.025	0.025
5.23	6.93
5.00	6.48
1.29	6.33
0.032	0.083
0.131	0.436
0.007	0.01
0.0004	0.001

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km2 **2011**
m **CZ2**

C50	C90
69.60	69.60
8.72	9.92
38.30	41.40

Sulphate (SO4--)	mg/l	12	108	140.5	189
Suspended solids	mg/l	12	5	17.08333	42
TOC	mg/l	12	5.17	6.1925	6.81
Temperature	°C	12	1.1	12.13333	22.3
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Total phosphorus	mg/l	12	0.121	0.27683	0.592
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Zinc (Zn)	µg/l	12	< 2.5	7.29167	12.7
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001
pH	-	12	7.9	8.14167	8.5

River: Danube **Catchment:** 77086.00
Distance from mouth: 2204 **Altitude:** 290
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	18	< 5	< 5	< 5
Alkalinity - total	mmol/l	26	2.62	3.30962	5.37

131.00	176.00
15.00	25.00
6.16	6.80
10.60	22.10
0.05	0.05
0.203	0.558
0.05	0.05
6.66	12.40
0.001	0.001
8.10	7.90

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km2 2011
m DE2

C50	C90
5.00	5.00
3.24	3.72

Ammonium (NH4-N)	mg/l	38	< 0.01	0.03339	0.12
Arsenic (As)	µg/l	13	< 0.5	0.84615	1
Arsenic (As), dissolved	µg/l	13	< 0.5	0.84615	1
Atrazine	µg/l	17	< 0.005	0.01029	0.02
BOD (5)	mg/l	24	< 0.5	1.47083	4.9
COD (Cr)	mg/l	26	5.3	9.56538	17
Cadmium (Cd)	µg/l	13	< 0.05	0.06154	0.2
Cadmium (Cd), dissolved	µg/l	13	< 0.025	0.02692	0.05
Carbon tetrachloride	µg/l	12	< 0.005	< 0.005	< 0.005
Chloride (Cl-)	mg/l	26	11	19.92308	36
Chloroform	µg/l	12	< 0.005	0.01375	0.077
Chromium (Cr) - total	µg/l	13	1	2.23077	7
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	26	300	372.30769	435
Copper (Cu)	µg/l	13	1	2	3
Copper (Cu), dissolved	µg/l	13	1	1.30769	2
DOC	mg/l	26	1.8	2.59231	3.7
Dissolved oxygen	mg/l	26	8.3	10.58846	13.9
Flow	m3/s	365	607	1218.1178	4894
Iron (Fe)	mg/l	26	0.09	0.41615	1.6
Lead (Pb)	µg/l	13	< 0.5	0.57692	1
Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005
Manganese (Mn)	mg/l	26	0.008	0.0215	0.055
Mercury (Hg), dissolved	µg/l	13	< 0.0025	< 0.0025	< 0.0025
Nickel (Ni)	µg/l	13	1	1.84615	3
Nickel (Ni), dissolved	µg/l	13	< 0.5	0.57692	1
Nitrate (NO3-N)	mg/l	38	1.1	2.12105	3.7
Nitrite (NO2-N)	mg/l	38	< 0.0025	0.01246	0.028
Orthophosphate (PO4-P)	mg/l	38	< 0.0025	0.03192	0.072
Phytoplankton (biomass - chlorophyll-a)	µg/l	17	1	8.41176	35
Sulphate (SO4--)	mg/l	25	20	25.32	31
Suspended solids	mg/l	26	< 1.5	12.05769	41
TOC	mg/l	26	1.9	3.18077	6.4
Temperature	°C	26	4.3	12.06154	21.2
Tetrachloroethylene	µg/l	12	0.028	0.053	0.097

River: Danube **Catchment:** 77086.00
Distance from mouth: 2204 **Altitude:** 290

0.02	0.082
1.00	1.00
1.00	1.00
0.01	0.02
1.20	2.40
9.80	13.00
0.05	0.05
0.025	0.025
0.005	0.005
20.00	27.00
0.005	0.022
2.00	3.00
0.50	0.50
375.00	430.00
2.00	3.00
1.00	2.00
2.50	3.50
10.90	8.50
1113.00	1759.00
0.25	1.00
0.50	1.00
0.50	0.50
0.005	0.005
0.019	0.036
0.0025	0.0025
2.00	3.00
0.50	1.00
1.90	3.20
0.012	0.022
0.031	0.055
4.00	31.00
26.00	29.00
10.00	25.00
3.00	4.20
13.50	18.60
0.052	0.07

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km2 **2011**
m **DE2**

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
Total nitrogen	mg/l	26	1.4	2.40769	4.7
Total phosphorus	mg/l	38	0.035	0.06858	0.15
Total phosphorus, dissolved	mg/l	35	0.01	0.04466	0.087
Trichloroethylene	µg/l	12	0.012	0.02425	0.044
Zinc (Zn)	µg/l	13	< 5	10.38462	50
Zinc (Zn), dissolved	µg/l	13	< 5	6.15385	20
pH	-	26	7.5	8.15	8.5

River:

Inn

Catchment:

9905.00

Distance from mouth:

195

Altitude:

452

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	24	< 5	< 5	< 5
Alkalinity - total	mmol/l	7	0.59	1.59143	2.4

C50	C90
2.20	3.70
0.061	0.13
0.041	0.069
0.025	0.029
5.00	30.00
5.00	5.00
8.10	8.00

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km2 2011
m DE3

C50	C90
5.00	5.00
2.40	2.40

Ammonium (NH4-N)	mg/l	26	< 0.01	0.03462	0.1
Arsenic (As)	µg/l	13	1	2	7
Arsenic (As), dissolved	µg/l	13	1	1.30769	2
BOD (5)	mg/l	26	< 0.5	0.95385	2.7
Cadmium (Cd)	µg/l	13	< 0.05	0.06923	0.3
Cadmium (Cd), dissolved	µg/l	13	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	12	21	33	48
Carbon tetrachloride	µg/l	12	< 0.005	0.00542	0.01
Chloride (Cl-)	mg/l	26	2.8	8.12692	27
Chloroform	µg/l	12	< 0.005	< 0.005	< 0.005
Chromium (Cr) - total	µg/l	13	< 0.5	1.61538	13
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5
Copper (Cu)	µg/l	13	< 0.5	3.65385	21
Copper (Cu), dissolved	µg/l	13	< 0.5	1.19231	2
DOC	mg/l	18	0.5	1.40556	3.3
Dissolved oxygen	mg/l	26	7.8	10.58462	12.7
Flow	m3/s	365	95.1	234.66	655
Iron (Fe)	mg/l	13	0.04	1.03154	9
Lead (Pb)	µg/l	13	< 0.5	1.19231	9
Lead (Pb), dissolved	µg/l	13	< 0.5	0.53846	1
Magnesium (Mg++)	mg/l	12	5.8	9.25833	13
Manganese (Mn)	mg/l	13	0.004	0.02069	0.13
Mercury (Hg), dissolved	µg/l	12	< 0.0025	0.0075	0.022
Nickel (Ni)	µg/l	13	< 0.5	3.5	23
Nickel (Ni), dissolved	µg/l	13	< 0.5	1.19231	2
Nitrate (NO3-N)	mg/l	26	< 0.05	0.50192	0.8
Nitrite (NO2-N)	mg/l	22	< 0.0025	0.0078	0.019
Orthophosphate (PO4-P)	mg/l	26	< 0.0025	0.00867	0.017
Potassium (K+)	mg/l	13	1.2	1.76154	3.6
Sodium (Na+)	mg/l	13	2.5	4.87692	10
Sulphate (SO4--)	mg/l	23	20	32.69565	50
Suspended solids	mg/l	26	< 1.5	38.05769	259
TOC	mg/l	26	0.7	2.31154	13
Temperature	°C	26	2.2	8.42692	15.3
Tetrachloroethylene	µg/l	12	< 0.005	0.00675	0.026
Total nitrogen	mg/l	13	0.4	0.67692	1

River: Inn **Catchment:** 9905.00
Distance from mouth: 195 **Altitude:** 452

0.03	0.08
2.00	2.00
1.00	2.00
0.50	1.70
0.05	0.05
0.025	0.025
32.00	43.00
0.005	0.005
6.30	15.00
0.005	0.005
0.50	1.00
0.50	0.50
2.00	8.00
1.00	2.00
1.40	1.80
10.60	9.20
187.00	392.00
0.24	1.10
0.50	1.00
0.50	0.50
9.10	12.00
0.01	0.031
0.006	0.019
2.00	4.00
1.00	2.00
0.50	0.80
0.008	0.017
0.008	0.016
1.70	2.00
4.70	7.90
33.00	44.00
7.00	125.00
1.80	3.40
8.70	14.20
0.005	0.005
0.70	0.90

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km2 **2011**
m **DE3**

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	26	0.016	0.0725	0.556
Total phosphorus, dissolved	mg/l	20	0.007	0.0152	0.051
Trichloroethylene	µg/l	12	< 0.005	0.0055	0.011
Zinc (Zn)	µg/l	13	< 5	8.46154	50
Zinc (Zn), dissolved	µg/l	13	< 5	6.92308	30
pH	-	27	7.8	8.12963	8.6

River:

Inn/Salzach

Catchment:

6113.00

Distance from mouth:

47

Altitude:

390

Location:

Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	< 5	< 5
Ammonium (NH ₄ -N)	mg/l	25	< 0.005	0.0282	0.07
Arsenic (As)	µg/l	12	< 0.5	0.70833	1

C50	C90
0.029	0.142
0.012	0.021
0.005	0.005
5.00	5.00
5.00	5.00
8.10	7.90

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km2 2011
m DE4

C50	C90
5.00	5.00
0.02	0.06
0.50	1.00

Arsenic (As), dissolved	µg/l	12	< 0.5	0.54167	1
BOD (5)	mg/l	25	< 0.5	1.764	2.4
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca ⁺⁺)	mg/l	12	34	45.125	57.5
Carbon tetrachloride	µg/l	11	< 0.005	< 0.005	< 0.005
Chloride (Cl ⁻)	mg/l	25	4.4	9.072	15
Chloroform	µg/l	11	< 0.005	0.00564	0.012
Chromium (Cr) - total	µg/l	12	< 0.5	0.625	1
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	25	213	281	356
Copper (Cu)	µg/l	12	< 0.5	1.5	3
Copper (Cu), dissolved	µg/l	12	< 0.5	0.625	1
DOC	mg/l	12	0.6	1.40833	2.6
Dissolved oxygen	mg/l	25	9.8	11.488	12.9
Flow	m ³ /s	365	67.5	193.83425	988
Iron (Fe)	mg/l	12	0.11	0.44667	1.4
Lead (Pb)	µg/l	12	< 0.5	< 0.5	< 0.5
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Magnesium (Mg ⁺⁺)	mg/l	12	6.1	9.53333	13.5
Manganese (Mn)	mg/l	12	0.013	0.02342	0.044
Mercury (Hg), dissolved	µg/l	12	< 0.0025	0.00442	0.012
Nickel (Ni)	µg/l	12	< 0.5	1	2
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO ₃ -N)	mg/l	25	0.42	0.6492	1.1
Nitrite (NO ₂ -N)	mg/l	25	< 0.0025	0.00406	0.009
Orthophosphate (PO ₄ -P)	mg/l	25	< 0.0025	0.00858	0.014
Potassium (K ⁺)	mg/l	12	1	1.41667	1.6
Sodium (Na ⁺)	mg/l	12	4	6.75	9.9
Sulphate (SO ₄ ⁻⁻)	mg/l	12	15	23.08333	30
Suspended solids	mg/l	25	1	8.64	44
TOC	mg/l	25	0.7	1.948	3.8
Temperature	°C	25	2.8	8.46	15.5
Tetrachloroethylene	µg/l	11	< 0.005	< 0.005	< 0.005
Total nitrogen	mg/l	25	0.5	0.724	1

River: Inn/Salzach **Catchment:** 6113.00
Distance from mouth: 47 **Altitude:** 390
Location: Left

0.50	0.50
1.80	2.30
0.05	0.05
0.025	0.025
44.60	57.10
0.005	0.005
8.70	14.00
0.005	0.005
0.50	1.00
0.50	0.50
282.00	350.00
1.00	2.00
0.50	1.00
1.00	2.10
11.30	10.10
162.00	310.00
0.18	1.20
0.50	0.50
0.50	0.50
9.60	13.10
0.017	0.043
0.0025	0.008
0.50	2.00
0.50	0.50
0.62	0.89
0.0025	0.007
0.008	0.013
1.50	1.60
6.50	9.40
24.00	28.00
4.00	20.00
1.70	3.30
8.80	14.50
0.005	0.005
0.70	1.00

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km2 **2011**
m **DE4**

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	25	0.008	0.0294	0.075
Total phosphorus, dissolved	mg/l	25	< 0.0025	0.01494	0.043
Trichloroethylene	µg/l	11	< 0.005	< 0.005	< 0.005
Zinc (Zn)	µg/l	12	< 5	5.83333	10
Zinc (Zn), dissolved	µg/l	12	< 5	5.41667	10
pH	-	25	8.1	8.232	8.4

River: Danube **Catchment:** 11315.00
Distance from mouth: 2538 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	14	< 5	6.57143	27
Alkalinity - total	mmol/l	13	3.6	4.46923	5.1
Ammonium (NH4-N)	mg/l	26	< 0.01	0.04154	0.11
Arsenic (As)	µg/l	13	< 0.5	< 0.5	< 0.5
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5

C50	C90
0.023	0.059
0.013	0.022
0.005	0.005
5.00	10.00
5.00	5.00
8.20	8.10

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km2 2011
m DE5

C50	C90
5.00	5.00
4.40	5.10
0.04	0.07
0.50	0.50
0.50	0.50

Atrazine	µg/l	16	< 0.005	0.00781	0.02
BOD (5)	mg/l	26	< 0.5	0.98077	2
Cadmium (Cd)	µg/l	13	< 0.05	0.05385	0.1
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025
Calcium (Ca++)	mg/l	13	69	85.53846	98
Carbon tetrachloride	µg/l	11	< 0.005	< 0.005	< 0.005
Chloride (Cl-)	mg/l	26	17	28.76923	39
Chloroform	µg/l	11	< 0.005	0.00545	0.01
Chromium (Cr) - total	µg/l	13	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	12	< 0.5	0.875	2
Conductivity	µS/cm	26	405	502.61538	590
Copper (Cu)	µg/l	13	< 0.5	1.38462	3
Copper (Cu), dissolved	µg/l	10	< 0.5	1.35	2
DOC	mg/l	13	2.3	3.04615	6.6
Dissolved oxygen	mg/l	26	8.3	11.23077	13.8
Flow	m3/s	365	62.5	141.83452	728
Iron (Fe)	mg/l	13	0.01	0.15	0.3
Lead (Pb)	µg/l	13	< 0.5	< 0.5	< 0.5
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Magnesium (Mg++)	mg/l	13	8	12.30769	15
Manganese (Mn)	mg/l	13	0.01	0.01715	0.027
Mercury (Hg), dissolved	µg/l	13	< 0.0025	0.00269	0.005
Nickel (Ni)	µg/l	13	< 0.5	0.80769	4
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.18182	3
Nitrate (NO3-N)	mg/l	26	1.9	3.01538	4.4
Nitrite (NO2-N)	mg/l	26	0.01	0.01623	0.023
Orthophosphate (PO4-P)	mg/l	26	0.01	0.03715	0.073
Phytoplankton (biomass - chlorophyll-a)	µg/l	15	1	12.66667	37
Potassium (K+)	mg/l	13	1.9	2.50769	3.1
Sodium (Na+)	mg/l	13	10.9	14.22308	18.1
Sulphate (SO4--)	mg/l	13	14	18.76923	23
Suspended solids	mg/l	26	< 0.5	8	34
TOC	mg/l	26	2.2	3.35	7.8

River: Danube **Catchment:** 11315.00
Distance from mouth: 2538 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Temperature	°C	26	4.2	11.63462	21.9

0.005	0.01
1.10	1.60
0.05	0.05
0.025	0.025
84.00	98.00
0.005	0.005
28.00	35.00
0.005	0.005
0.50	0.50
0.50	2.00
490.00	580.00
1.00	2.00
2.00	2.00
2.70	4.30
11.30	9.30
116.00	242.00
0.10	0.30
0.50	0.50
0.50	0.50
12.00	13.00
0.017	0.022
0.0025	0.0025
0.50	1.00
0.50	2.00
2.90	4.20
0.015	0.022
0.039	0.061
9.00	30.00
2.50	2.70
13.70	17.00
19.00	21.00
6.00	14.00
3.00	4.60

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km2 **2011**
m **DE5**

C50	C90
11.90	18.70

Tetrachloroethylene	µg/l	11	< 0.005	0.04227	0.062
Total nitrogen	mg/l	26	2.2	3.32308	5
Total phosphorus	mg/l	26	0.043	0.07527	0.16
Total phosphorus, dissolved	mg/l	26	0.017	0.04577	0.11
Trichloroethylene	µg/l	11	< 0.005	0.00673	0.013
Zinc (Zn)	µg/l	13	< 5	5.38462	10
Zinc (Zn), dissolved	µg/l	12	< 5	5.83333	10
pH	-	26	8.1	8.18846	8.4

River: Danube **Catchment:** 210250.00
Distance from mouth: 1429 **Altitude:** 86
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.359	1.838	2.547
Ammonium (NH ₄ -N)	mg/l	12	< 0.0005	0.04	0.138
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03
Arsenic (As), dissolved	µg/l	12	1.05	1.39667	1.88

0.045	0.058
3.20	4.50
0.069	0.12
0.045	0.077
0.005	0.011
5.00	5.00
5.00	10.00
8.20	8.10

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km2	2011
m	HR1

C50	C90
1.718	2.148
0.013	0.119
0.03	0.03
1.29	1.77

BOD (5)	mg/l	12	0.6	1.925	3.3
COD (Cr)	mg/l	10	6.3	10.21	14.3
COD (Mn)	mg/l	12	2.3	3.425	5.5
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.011	0.02
Calcium (Ca++)	mg/l	12	40.9	56.74333	78.9
Chloride (Cl-)	mg/l	12	14.4	23.1325	34.5
Chromium (Cr), total	µg/l	12	< 0.005	0.44225	2.41
Conductivity	µS/cm	12	7.55	430.79583	608
Copper (Cu), dissolved	µg/l	12	1	1.6175	2.34
Dissolved oxygen	mg/l	12	8.2	10.86667	13.4
Lead (Pb), dissolved	µg/l	12	0.037	0.12	0.216
Lindane (gama-HCH)	µg/l	3	< 0.00075	< 0.00075	< 0.00075
Magnesium (Mg++)	mg/l	12	11.5	16.95	25.3
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00174	0.0035
Nickel (Ni), dissolved	µg/l	12	0.804	1.31333	3.12
Nitrate (NO3-N)	mg/l	12	0.95	2.0625	3.73
Nitrite (NO2-N)	mg/l	12	0.004	0.01317	0.028
Organic nitrogen	mg/l	12	0.073	0.25283	0.654
Orthophosphate (PO4-P)	mg/l	12	< 0.001	0.04533	0.076
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.01088	0.03
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015
Potassium (K+)	mg/l	12	2.05	2.79417	3.54
Silicates(SiO2), dissolved	mg/l	12	< 0.04	4.28442	8.64
Sodium (Na+)	mg/l	12	9.67	16.25667	25.7
Sulphate (SO4--)	mg/l	12	25.06	40.41167	55.1
Suspended solids	mg/l	12	4	20.08333	51
TOC	mg/l	12	2.1	2.886	4.317
Temperature	°C	12	1.2	13.39167	23.3
Total nitrogen	mg/l	12	1.35	2.36833	4.07
Total phosphorus	mg/l	12	0.063	0.13113	0.4228
Zinc (Zn), dissolved	µg/l	12	1.02	2.68417	6.5
p,p'-DDT	µg/l	3	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.72	8.1425	8.64

River: Danube **Catchment:** 210250.00
Distance from mouth: 1429 **Altitude:** 86
Location: Right

Determinand name	Unit	N	Min	Mean	Max
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2.20	3.00
14.30	14.30
3.10	4.40
0.01	0.017
50.60	71.00
21.00	29.40
0.327	0.515
428.00	586.00
1.62	2.18
11.20	8.20
0.116	0.196
16.50	21.80
0.001	0.0029
1.02	2.28
1.59	3.14
0.009	0.025
0.187	0.569
0.048	0.075
0.03	0.03
0.0015	0.0015
2.78	3.51
5.02	6.61
14.50	22.20
36.10	54.30
12.80	42.00
2.598	3.497
15.90	22.40
1.87	3.49
0.1028	0.159
1.99	4.69
8.01	7.77

km2 2011
m HR1

C50	C90
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km2 2011
m HR10

C50	C90
2.627	2.827
0.022	0.11
0.03	0.03
0.654	1.02
1.80	1.90
7.00	11.30
2.20	5.30
0.005	0.013
74.50	83.76
12.20	14.70

Chromium (Cr), total	µg/l	12	< 0.005	0.56642	2.1
Conductivity	µS/cm	12	418	521.33333	635
Copper (Cu), dissolved	µg/l	12	0.652	1.01158	1.57
Dissolved oxygen	mg/l	12	8.2	10.50833	13.2
Flow	m ³ /s	365	56.5	170.92493	1040
Lead (Pb), dissolved	µg/l	12	0.037	0.11925	0.351
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	< 0.00075
Magnesium (Mg ⁺⁺)	mg/l	12	13.1	18.9775	26.78
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00144	0.00281
Nickel (Ni), dissolved	µg/l	12	0.51	1.06333	1.95
Nitrate (NO ₃ -N)	mg/l	12	0.47	1.08583	2.11
Nitrite (NO ₂ -N)	mg/l	12	0.008	0.02167	0.11
Organic nitrogen	mg/l	12	0.096	0.35517	1.907
Orthophosphate (PO ₄ -P)	mg/l	12	0.0104	0.03701	0.0714
Potassium (K ⁺)	mg/l	12	1.74	2.64583	4.34
Silicates(SiO ₂), dissolved	mg/l	12	0.356	3.76567	8.31
Sodium (Na ⁺)	mg/l	12	8.75	11.6725	20.04
Sulphate (SO ₄ --)	mg/l	12	19.06	24.635	32.42
Suspended solids	mg/l	12	< 0.5	6.83333	29
TOC	mg/l	12	1.62	2.33075	3.86
Temperature	°C	12	4.4	13.44167	24
Total nitrogen	mg/l	12	0.79	1.52917	2.77
Total phosphorus	mg/l	12	0.056	0.10218	0.193
Zinc (Zn), dissolved	µg/l	12	0.723	1.6355	4.99
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.41	8.06583	8.49

River: Danube **Catchment:** 243147.00
Distance from mouth: 1337 **Altitude:** 89
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.448	1.70217	2.148
Ammonium (NH ₄ -N)	mg/l	12	< 0.0005	0.05996	0.226
Arsenic (As), dissolved	µg/l	12	0.917	1.45892	1.86
BOD (5)	mg/l	12	1	2.125	4
COD (Mn)	mg/l	12	2.3	3.38333	4.1
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.0165	0.043

0.446	0.857
521.00	587.00
0.892	1.34
10.00	8.70
131.00	313.00
0.077	0.213
0.0008	0.0008
17.90	22.30
0.001	0.0023
0.822	1.72
0.94	1.64
0.011	0.043
0.241	0.331
0.033	0.055
2.18	3.83
3.28	6.31
11.00	13.00
24.50	27.80
3.00	16.80
2.019	3.62
11.60	22.30
1.24	2.47
0.086	0.152
1.19	2.98
0.0025	0.0025
8.09	7.79

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km2 **2011**
m **HR2**

C50	C90
1.558	1.898
0.039	0.079
1.53	1.86
1.90	3.40
3.70	4.00
0.013	0.038

50.90	59.70
20.50	23.20
0.282	1.00
428.00	502.00
1.62	2.40
11.30	8.70
0.135	0.39
0.0008	0.0008
13.70	16.40
0.001	0.001
0.913	2.63
1.58	2.71
0.014	0.018
0.26	0.487
0.03	0.068
0.012	0.012
2.63	2.98
4.39	7.07
13.70	16.80
33.70	44.30
12.00	26.00
2.42	3.01
11.40	24.70
1.77	2.96
0.102	0.2861
1.73	2.51
0.0025	0.0025
8.14	7.77

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km2 **2011**
m **HR4**

C50	C90
1.299	1.638
0.032	0.077

Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03
Arsenic (As), dissolved	µg/l	12	0.873	1.10767	1.36
BOD (5)	mg/l	12	< 0.1	1.525	2.9
COD (Cr)	mg/l	12	3.4	6.8	10.3
COD (Mn)	mg/l	12	1.6	2.63333	4.5
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.014	0.034
Calcium (Ca++)	mg/l	12	32.9	42.57	52.9
Chloride (Cl-)	mg/l	12	5.96	9.59083	13.6
Chromium (Cr), total	µg/l	12	< 0.005	0.468	1.27
Conductivity	µS/cm	12	244	323.25	402
Copper (Cu), dissolved	µg/l	12	0.546	0.88167	1.58
Dissolved oxygen	mg/l	12	7.9	10.13917	13.4
Lead (Pb), dissolved	µg/l	12	0.15	0.32683	0.775
Lindane (gama-HCH)	µg/l	4	< 0.00075	0.00224	0.00671
Magnesium (Mg++)	mg/l	12	7.8	10.1625	12.6
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00133	0.00269
Nickel (Ni), dissolved	µg/l	12	0.32	1.15783	2.97
Nitrate (NO3-N)	mg/l	12	0.76	1.08	1.53
Nitrite (NO2-N)	mg/l	12	0.005	0.011	0.022
Organic nitrogen	mg/l	12	0.048	0.20942	0.766
Orthophosphate (PO4-P)	mg/l	12	< 0.001	0.01666	0.03
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.02955	0.105
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015
Potassium (K+)	mg/l	12	1.36	1.9225	2.32
Silicates(SiO2), dissolved	mg/l	12	4.15	7.78917	30.45
Sodium (Na+)	mg/l	12	5.46	8.35	11.7
Sulphate (SO4--)	mg/l	12	19	24.93417	29.7
Suspended solids	mg/l	12	< 0.5	13	94
TOC	mg/l	12	1.41	1.84792	2.525
Temperature	°C	12	4.1	13.21667	22.8
Total nitrogen	mg/l	12	0.88	1.34333	1.7
Total phosphorus	mg/l	12	0.02	0.07464	0.2916
Zinc (Zn), dissolved	µg/l	12	0.288	2.40042	7.08
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.51	7.95833	8.25

River: Drava **Catchment:** 31038.00
Distance from mouth: 227 **Altitude:** 123

0.03	0.03
1.16	1.21
1.60	2.20
6.50	9.30
2.50	3.20
0.01	0.022
42.40	50.14
8.43	12.80
0.364	0.758
310.00	397.00
0.806	1.06
9.40	8.20
0.289	0.391
0.0067	0.0067
10.20	12.40
0.001	0.0022
0.869	1.78
0.92	1.50
0.009	0.02
0.115	0.423
0.017	0.028
0.105	0.105
0.0015	0.0015
1.95	2.19
5.55	7.21
7.71	10.30
24.40	29.20
4.00	16.00
1.69	2.42
13.00	22.60
1.37	1.68
0.058	0.095
1.59	3.45
0.0025	0.0025
8.00	7.74

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km2 **2011**
m **HR4**

Location:

Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	1	12	12	12
Macrozoobenthos sapr. index	-	1	1.84	1.84	1.84

River:

Drava

Catchment:

37142.00

Distance from mouth:

78

Altitude:

92

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.149	1.44767	1.798
Ammonium (NH ₄ -N)	mg/l	12	< 0.0005	0.02975	0.09
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03
Arsenic (As), dissolved	µg/l	12	1.02	1.30083	1.49
BOD (5)	mg/l	12	0.6	1.55	3.2
COD (Cr)	mg/l	12	3.4	6.65833	10.2
COD (Mn)	mg/l	12	1.6	2.53333	3.6

C50	C90
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km2 **2011**
m **HR5**

C50	C90
1.349	1.758
0.021	0.061
0.03	0.03
1.34	1.47
1.40	2.50
6.20	9.10
2.50	3.10

Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01233	0.022
Calcium (Ca++)	mg/l	12	35.2	45.21333	58.2
Chloride (Cl-)	mg/l	12	6.29	9.51583	12.8
Chromium (Cr), total	µg/l	12	< 0.005	0.568	1.81
Conductivity	µS/cm	12	256	339.16667	430
Copper (Cu), dissolved	µg/l	12	0.406	1.04833	2.08
Dissolved oxygen	mg/l	12	8.1	10.39667	12.9
Lead (Pb), dissolved	µg/l	12	0.207	0.35725	0.616
Lindane (gama-HCH)	µg/l	4	< 0.00075	0.00166	0.00437
Magnesium (Mg++)	mg/l	12	8.1	10.95417	13.73
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00125	0.00265
Nickel (Ni), dissolved	µg/l	12	0.354	1.16767	2.57
Nitrate (NO3-N)	mg/l	12	0.74	1.02167	1.47
Nitrite (NO2-N)	mg/l	12	0.003	0.00542	0.01
Organic nitrogen	mg/l	12	0.056	0.17075	0.394
Orthophosphate (PO4-P)	mg/l	12	< 0.001	0.01952	0.032
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.00588	0.016
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015
Potassium (K+)	mg/l	12	1.45	1.9025	2.15
Silicates(SiO2), dissolved	mg/l	12	3.95	8.02167	31.38
Sodium (Na+)	mg/l	12	5.72	8.44333	11.5
Sulphate (SO4--)	mg/l	12	19.3	25.27583	29.4
Suspended solids	mg/l	12	< 0.5	11.04167	32.4
TOC	mg/l	12	1.51	1.93158	3.004
Temperature	°C	12	4.3	14.375	23.3
Total nitrogen	mg/l	12	0.9	1.2275	1.67
Total phosphorus	mg/l	12	0.041	0.08739	0.2
Zinc (Zn), dissolved	µg/l	12	0.203	2.41192	5.45
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.64	7.99833	8.36

River: Drava **Catchment:** 37142.00
Distance from mouth: 78 **Altitude:** 92
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	1	8	8	8
Macrozoobenthos sapr. index	-	1	2.05	2.05	2.05

0.013	0.021
43.70	54.20
8.88	12.20
0.459	1.15
320.00	430.00
0.95	1.53
9.50	8.90
0.327	0.616
0.0044	0.0044
10.60	13.70
0.001	0.0024
0.774	2.51
0.93	1.46
0.004	0.009
0.155	0.262
0.018	0.03
0.016	0.016
0.0015	0.0015
2.00	2.12
5.97	8.23
8.23	10.70
25.30	29.20
9.00	20.00
1.70	2.44
15.30	22.50
1.12	1.62
0.072	0.146
2.09	3.95
0.0025	0.0025
8.01	7.80

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km2 **2011**
m **HR5**

C50	C90
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River: Sava **Catchment:** 10834.00
Distance from mouth: 729 **Altitude:** 131
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Flow	m3/s	365	56.5	170.92493	1040

km2 2011
m HR6

C50	C90
131.00	313.00

km2 2011
m HR7

C50	C90
1.978	2.228
0.10	0.158
0.671	1.07
1.20	2.00
5.50	9.50
2.20	4.00
0.005	0.024
59.60	67.80
9.46	12.10
0.46	1.66
416.00	468.00
0.92	1.24

8.50 6.80
334.00 806.00
0.114 0.17
0.0008 0.0008

14.40 16.20
0.001 0.0024
0.842 1.78
1.16 1.53
0.02 0.038
0.188 0.383
0.067 0.108
1.50 2.17
2.13 4.18
7.33 10.60
14.40 18.60
6.00 18.40
1.81 2.18
14.60 26.90
1.64 1.84
0.115 0.246
1.98 3.39
0.0025 0.0025
8.00 7.84

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km2 2011
m HR8

C50	C90
1.948	2.098
0.021	0.082
1.07	1.46
1.80	4.00
2.70	4.80
0.005	0.03
64.70	71.70
25.63	31.00

0.524	0.89
476.00	520.00
1.05	1.36
8.70	7.30
0.142	0.398
13.80	17.70
0.001	0.0029
1.64	2.51
1.02	1.36
0.013	0.032
0.174	0.363
0.031	0.064
1.51	2.19
3.09	4.92
10.66	15.27
23.50	30.26
5.00	14.00
1.995	3.16
13.10	25.80
1.30	1.68
0.0915	0.138
1.55	3.78
8.04	7.84

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km2 **2011**
m **HR8**

C50	C90
533.00	1128.00

River: Drava **Catchment:** 15356.00
Distance from mouth: 300 **Altitude:** 192
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.019	1.23958	1.418
Ammonium (NH ₄ -N)	mg/l	12	< 0.0005	0.03133	0.088
Anionic active surfactants	mg/l	12	< 0.03	< 0.03	< 0.03
Arsenic (As), dissolved	µg/l	12	1	1.34	1.91
BOD (5)	mg/l	12	0.6	1.16667	1.8
COD (Cr)	mg/l	12	< 0.5	4.175	6.8
COD (Mn)	mg/l	12	1.3	1.81667	3.3
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01833	0.039
Calcium (Ca ⁺⁺)	mg/l	12	10.4	36.73917	47.4
Chloride (Cl ⁻)	mg/l	12	4.87	7.15667	10.1
Chromium (Cr), total	µg/l	12	< 0.005	0.43767	1.44
Conductivity	µS/cm	12	226	304.83333	445

km2 2011
m HR9

C50	C90
1.219	1.378
0.02	0.07
0.03	0.03
1.26	1.79
1.10	1.60
3.60	6.70
1.60	2.60
0.014	0.038
36.90	45.00
5.85	9.76
0.318	0.889
290.00	368.00

Copper (Cu), dissolved	µg/l	12	0.508	0.76442	1.19
Dissolved oxygen	mg/l	12	8.2	10.41667	13.5
Lead (Pb), dissolved	µg/l	12	0.149	0.47483	1.03
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	< 0.00075
Magnesium (Mg++)	mg/l	12	7.49	12.28583	39.8
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00147	0.00331
Nickel (Ni), dissolved	µg/l	11	0.227	1.09255	2.46
Nitrate (NO3-N)	mg/l	12	0.61	0.905	1.28
Nitrite (NO2-N)	mg/l	12	0.003	0.00608	0.011
Organic nitrogen	mg/l	12	0.049	0.10767	0.218
Orthophosphate (PO4-P)	mg/l	12	< 0.001	0.00958	0.021
Phenol index	mg/l	4	< 0.0015	0.01288	0.044
Potassium (K+)	mg/l	12	1.24	1.52	1.91
Silicates(SiO2), dissolved	mg/l	12	2.78	4.53667	6.23
Sodium (Na+)	mg/l	12	3.69	5.96667	8.36
Sulphate (SO4--)	mg/l	12	16.48	24.835	28.9
Suspended solids	mg/l	11	< 0.5	12.03636	53
TOC	mg/l	12	1.16	1.845	2.44
Temperature	°C	12	2	11.5	20.3
Total nitrogen	mg/l	12	0.76	1.05	1.57
Total phosphorus	mg/l	12	0.022	0.0588	0.149
Zinc (Zn), dissolved	µg/l	12	1.75	3.52833	5.21
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.28	7.93083	8.26

River: Danube **Catchment:** 131605.00
Distance from mouth: 1806 **Altitude:** 108
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	7	< 5	9.81429	15.3
Alkalinity - total	mmol/l	12	3.2	3.78333	4.3
Ammonium (NH4-N)	mg/l	12	< 0.008	0.02975	0.078
Anionic active surfactants	mg/l	8	< 0.02	0.02288	0.043
Arsenic (As), dissolved	µg/l	12	< 0.45	0.85417	3.9
Atrazine	µg/l	12	< 0.005	0.00675	0.018
BOD (5)	mg/l	12	1.82	4.42417	6.92
COD (Cr)	mg/l	12	4.8	7.95833	11.2

0.674	1.17
9.60	8.20
0.424	0.813
0.0008	0.0008
9.64	12.50
0.001	0.003
0.752	2.31
0.83	1.28
0.005	0.009
0.088	0.191
0.008	0.021
0.044	0.044
1.50	1.78
4.41	5.37
5.57	7.96
24.90	28.78
5.50	43.60
1.76	2.36
10.80	20.20
0.90	1.40
0.036	0.125
3.58	5.20
0.0025	0.0025
7.96	7.62

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km2 **2011**
m **HU1**

C50	C90
15.30	15.30
3.80	4.20
0.023	0.062
0.043	0.043
0.45	1.30
0.005	0.013
3.90	6.16
7.80	10.10

2.70	3.90
0.05	0.05
56.80	69.60
0.05	0.05
20.60	25.50
0.05	0.05
1.00	1.00
387.00	463.00
2.00	3.90
10.78	8.53
1500.00	2220.00
0.16	0.56
0.35	0.35
0.005	0.005
14.60	17.50
0.039	0.088
0.01	0.01
1.00	1.40
1.65	2.78
0.01	0.03
0.50	1.41
0.037	0.053
0.01	0.022
0.004	0.004
2.37	8.29
2.00	2.00
14.50	18.30
36.90	44.20
17.00	33.00
3.50	5.40

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km2 **2011**
m **HU1**

C50	C90
10.80	20.00
0.05	0.05
2.25	4.43
0.07	0.10

Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Zinc (Zn), dissolved	µg/l	12	< 5	5.44167	10.3
p,p'-DDT	µg/l	12	< 0.01	< 0.01	< 0.01
pH	-	12	8.03	8.2275	8.63

River: Danube **Catchment:** 131605.00
Distance from mouth: 1806 **Altitude:** 108
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	20	20.5	21
Macrozoobenthos no. of taxa	-	2	25	26	27
Macrozoobenthos sapr. index	-	2	2.02	2.045	2.07

0.05	0.05
5.00	5.00
0.01	0.01
8.15	8.04

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km2	2011
m	HU1

C50	C90
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River: Tisza **Catchment:** 9707.00
Distance from mouth: 757 **Altitude:** 114
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	8	10.5	13
Macrozoobenthos no. of taxa	-	2	15	16.5	18
Macrozoobenthos sapr. index	-	2	2.05	2.135	2.22
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	3.475	14.5

km2 2011
m HU10

C50	C90
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1.30 11.20

km2 2011
m HU10

C50	C90
43.00	210.00
40.00	61.00
0.05	0.07
0.01	0.01
1.70	17.00
0.005	0.005
4.40	4.40
9.20	14.60
2.00	4.90
0.10	0.50
0.10	0.10
12.00	15.00

Chloroform	µg/l	12	< 5	< 5	< 5
Chromium (Cr) - total	µg/l	12	< 0.1	1.03667	6.4
Chromium (Cr), total	µg/l	12	< 0.1	0.36333	0.7
Conductivity	µS/cm	12	118.3	209.175	260.3
Copper (Cu)	µg/l	12	3.2	6.675	15
Copper (Cu), dissolved	µg/l	12	2.6	5.28333	11
Dissolved oxygen	mg/l	6	8.3	12	14.4
Flow	m3/s	365	29.4	141.60658	757
Iron (Fe)	mg/l	12	0.025	0.13908	0.384
Lead (Pb)	µg/l	12	< 0.7	1.475	2.9
Lead (Pb), dissolved	µg/l	12	< 0.7	0.95	2.7
Manganese (Mn)	mg/l	11	0.008	0.03118	0.054
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.15	2.12917	17
Nickel (Ni), dissolved	µg/l	12	< 0.15	1.66583	15
Nitrate (NO3-N)	mg/l	12	0.3	0.64167	1.1
Nitrite (NO2-N)	mg/l	9	< 0.0015	0.00906	0.01
Organic nitrogen	mg/l	10	< 0.5	1.02	4.2
Orthophosphate (PO4-P)	mg/l	12	< 0.0015	0.01668	0.0408
Petroleum hydrocarbons	mg/l	1	< 0.02	< 0.02	< 0.02
Phenol index	mg/l	7	< 0.001	0.00157	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	3.475	14.5
Suspended solids	mg/l	12	4	59.66667	506
Temperature	°C	12	< 0.00000	11.25	23.3
Tetrachloroethylene	µg/l	12	< 5	< 5	< 5
Total nitrogen	mg/l	10	< 0.5	1.3	4.7

River: Tisza **Catchment:** 9707.00
Distance from mouth: 757 **Altitude:** 114
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	11	< 0.005	0.05526	0.182
Zinc (Zn)	µg/l	12	< 1.55	15.59583	39
Zinc (Zn), dissolved	µg/l	12	< 1.55	10.52917	35
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	12	7.63	7.93167	8.15

5.00	5.00
0.48	1.30
0.40	0.51
214.40	259.10
5.20	11.00
3.80	8.90
8.30	8.30
116.00	273.00
0.084	0.307
0.70	2.40
0.70	1.70
0.03	0.053
0.05	0.05
0.66	2.60
0.56	0.87
0.60	1.00
0.01	0.01
4.20	4.20
0.0088	0.0395
0.003	0.003
1.30	11.20
11.00	72.00
11.20	20.90
5.00	5.00
4.70	4.70

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km2 **2011**
m **HU10**

C50	C90
0.0352	0.0861
12.00	35.00
7.60	25.00
0.005	0.005
7.99	7.73

River: Tisza/Szamos **Catchment:** 15283.00
Distance from mouth: 45 **Altitude:** 113
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	8	10.5	13
Macrozoobenthos no. of taxa	-	2	12	15.5	19
Macrozoobenthos sapr. index	-	2	2.4	2.465	2.53

km2 2011
m HU11

C50	C90
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River: Tisza/Szamos **Catchment:** 15283.00
Distance from mouth: 45 **Altitude:** 113
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Aluminium (Al)	µg/l	12	26	154.41667	500
Aluminium (Al), dissolved	µg/l	12	< 0.3	49.19167	110
Ammonium (NH ₄ -N)	mg/l	12	0.04	0.24167	0.82
Anionic active surfactants	mg/l	6	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1.7	5.25417	26.8
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	6	3	6.06667	9.1
COD (Cr)	mg/l	11	14.2	37.05455	59.7
COD (Mn)	mg/l	11	1.9	3.85455	7
Cadmium (Cd)	µg/l	12	0.38	1.995	6.6
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.83167	2.4
Chloride (Cl ⁻)	mg/l	12	23	88.75	194

km2 2011
m HU11

C50	C90
89.00	390.00
50.00	100.00
0.08	0.52
0.01	0.01
1.70	8.85
0.005	0.005
9.10	9.10
37.00	52.10
3.60	5.80
0.89	6.00
0.65	1.90
65.00	155.00

Chloroform	µg/l	12	< 5	< 5	< 5
Chromium (Cr) - total	µg/l	12	< 0.1	0.67	1.3
Chromium (Cr), total	µg/l	12	< 0.1	0.3975	0.78
Conductivity	µS/cm	12	295	578.25	933
Copper (Cu)	µg/l	12	5.8	10.275	20
Copper (Cu), dissolved	µg/l	12	4.5	7.56667	13
Dissolved oxygen	mg/l	6	9.3	11.6	13.9
Flow	m3/s	365	19.6	90.6937	426
Iron (Fe)	mg/l	12	0.167	0.3625	0.844
Lead (Pb)	µg/l	12	2	3.65833	7.2
Lead (Pb), dissolved	µg/l	12	< 0.7	1.65	2.8
Manganese (Mn)	mg/l	12	0.049	0.20017	0.449
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	0.9	2.925	11
Nickel (Ni), dissolved	µg/l	12	< 0.15	1.97667	10
Nitrate (NO3-N)	mg/l	12	0.4	0.975	1.4
Nitrite (NO2-N)	mg/l	12	0.01	0.02083	0.04
Organic nitrogen	mg/l	10	< 0.5	0.6	1.5
Orthophosphate (PO4-P)	mg/l	12	0.00803	0.02037	0.0408
Petroleum hydrocarbons	mg/l	1	< 0.02	< 0.02	< 0.02
Phenol index	mg/l	7	< 0.001	0.00186	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	21.85	113.9
Suspended solids	mg/l	17	< 1.5	48	340
Temperature	°C	12	0.1	11.675	24
Tetrachloroethylene	µg/l	12	< 5	< 5	< 5
Total nitrogen	mg/l	10	1.2	1.83	2.6

River: Tisza/Szamos **Catchment:** 15283.00
Distance from mouth: 45 **Altitude:** 113
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	12	0.0464	0.17493	0.343
Zinc (Zn)	µg/l	12	29	133.25	310
Zinc (Zn), dissolved	µg/l	12	< 1.55	90.54583	240
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	12	7.31	7.825	8.16

5.00	5.00
0.69	0.99
0.39	0.69
593.00	832.00
8.90	16.00
6.00	13.00
9.30	9.30
61.10	178.00
0.317	0.519
2.90	6.80
1.60	2.50
0.138	0.395
0.05	0.05
2.20	5.00
1.10	2.50
1.00	1.30
0.02	0.03
1.50	1.50
0.0141	0.0392
0.003	0.003
5.20	81.40
22.00	163.00
11.20	21.20
5.00	5.00
2.60	2.60

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km2 **2011**
m **HU11**

C50	C90
0.137	0.297
100.00	260.00
50.00	240.00
0.005	0.005
7.90	7.40

River: Tisza/Hármas- **Catchment:** 2489.00
Distance from mouth: 9 **Altitude:** 92
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Aluminium (Al)	µg/l	12	20	59	100
Aluminium (Al), dissolved	µg/l	12	5.6	38.05	69
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.12	0.39
Anionic active surfactants	mg/l	6	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1.7	4.87	21.9
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	6	1.9	2.48333	3.9
COD (Cr)	mg/l	11	8.1	10.9	13.7
COD (Mn)	mg/l	11	1.5	2.21818	2.7
Cadmium (Cd)	µg/l	12	< 0.1	0.125	0.4
Cadmium (Cd), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Chloride (Cl ⁻)	mg/l	12	8	14.66667	22

km2 2011
m HU12

C50	C90
54.00	99.00
41.00	54.00
0.09	0.15
0.01	0.01
1.70	9.90
0.005	0.005
3.90	3.90
10.70	13.00
2.30	2.60
0.10	0.10
0.10	0.10
14.00	21.00

Chloroform	µg/l	12	< 5	< 5	< 5
Chromium (Cr) - total	µg/l	12	0.4	0.595	1
Chromium (Cr), total	µg/l	12	< 0.1	0.375	0.7
Conductivity	µS/cm	12	206.3	262.90833	352
Copper (Cu)	µg/l	12	2.7	7.80833	19
Copper (Cu), dissolved	µg/l	12	2.4	5.49167	16
Dissolved oxygen	mg/l	6	7.5	11.43333	14.2
Flow	m3/s	365	1.94	20.25899	79.4
Iron (Fe)	mg/l	12	0.038	0.11133	0.383
Lead (Pb)	µg/l	12	< 0.7	1.78333	2.4
Lead (Pb), dissolved	µg/l	12	< 0.7	1.14167	2.3
Manganese (Mn)	mg/l	12	0.018	0.04742	0.085
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.15	3.78083	37
Nickel (Ni), dissolved	µg/l	12	< 0.15	3.00417	30
Nitrate (NO3-N)	mg/l	12	0.5	1.23333	2
Nitrite (NO2-N)	mg/l	12	0.01	0.03417	0.08
Organic nitrogen	mg/l	10	< 0.5	0.59	1.4
Orthophosphate (PO4-P)	mg/l	12	0.00765	0.02865	0.054
Petroleum hydrocarbons	mg/l	1	< 0.02	< 0.02	< 0.02
Phenol index	mg/l	8	< 0.001	0.0015	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	3.69167	11.9
Suspended solids	mg/l	12	6	18.66667	46
Temperature	°C	12	0.2	12.075	22.5
Tetrachloroethylene	µg/l	12	< 5	< 5	< 5
Total nitrogen	mg/l	10	1.2	1.86	3.3

River: Tisza/Hármas- **Catchment:** 2489.00
Distance from mouth: 9 **Altitude:** 92
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	12	0.0441	0.09081	0.208
Zinc (Zn)	µg/l	12	< 1.55	17.3125	77
Zinc (Zn), dissolved	µg/l	12	< 1.55	9.14167	35
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	12	7.25	7.7075	8.03

5.00	5.00
0.50	0.81
0.38	0.60
243.00	321.00
5.20	17.00
3.70	13.00
7.50	7.50
13.00	45.00
0.089	0.129
1.80	2.30
0.70	2.00
0.036	0.076
0.05	0.05
0.94	1.50
0.51	1.00
1.30	1.90
0.03	0.06
1.40	1.40
0.0297	0.0412
0.003	0.003
1.80	7.90
14.00	36.00
9.90	21.70
5.00	5.00
3.30	3.30

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km2 **2011**
m **HU12**

C50	C90
0.067	0.153
11.00	37.00
7.70	11.00
0.005	0.005
7.69	7.49

River: Tisza/Hármas- **Catchment:** 2489.00
Distance from mouth: 9 **Altitude:** 92
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	15	16	17
Macrozoobenthos no. of taxa	-	2	19	22	25
Macrozoobenthos sapr. index	-	2	2.24	2.24	2.24

km2 2011
m HU12

C50	C90
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River: Tisza/Hármas- **Catchment:** 4302.00
Distance from mouth: 16 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Aluminium (Al)	µg/l	12	12	110.08333	330
Aluminium (Al), dissolved	µg/l	12	11	62.16667	190
Ammonium (NH ₄ -N)	mg/l	12	0.01	0.065	0.11
Anionic active surfactants	mg/l	6	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1.7	5.46583	26.3
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	6	1.5	2.8	3.9
COD (Cr)	mg/l	11	8.7	12.24545	15.9
COD (Mn)	mg/l	11	2.1	3.02727	5.3
Cadmium (Cd)	µg/l	12	< 0.1	0.66667	6.4
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.125	0.4
Chloride (Cl ⁻)	mg/l	12	7	12.33333	16

km2 2011
m HU13

C50	C90
78.00	220.00
43.00	120.00
0.06	0.10
0.01	0.01
1.70	16.30
0.005	0.005
3.90	3.90
12.50	15.90
2.80	3.90
0.10	0.60
0.10	0.10
12.00	15.00

Chloroform	µg/l	12	< 5	< 5	< 5
Chromium (Cr) - total	µg/l	12	< 0.1	0.74083	2.4
Chromium (Cr), total	µg/l	12	< 0.1	0.405	0.82
Conductivity	µS/cm	12	207.7	301.75	358
Copper (Cu)	µg/l	12	3	8.475	21
Copper (Cu), dissolved	µg/l	12	2.6	6.08333	19
Dissolved oxygen	mg/l	6	7.2	10.88333	14
Flow	m3/s	365	3.1	22.08408	131
Iron (Fe)	mg/l	12	0.092	0.24642	0.464
Lead (Pb)	µg/l	12	< 0.7	2.26667	5.7
Lead (Pb), dissolved	µg/l	12	< 0.7	1.18333	2.4
Manganese (Mn)	mg/l	12	0.013	0.04708	0.085
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.15	3.76417	35
Nickel (Ni), dissolved	µg/l	12	< 0.15	3.1575	32
Nitrate (NO3-N)	mg/l	12	< 0.0565	0.60942	1
Nitrite (NO2-N)	mg/l	11	< 0.0015	0.013	0.03
Organic nitrogen	mg/l	10	< 0.5	0.58	1.3
Orthophosphate (PO4-P)	mg/l	12	0.00923	0.03585	0.0645
Petroleum hydrocarbons	mg/l	1	< 0.02	< 0.02	< 0.02
Phenol index	mg/l	7	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	3.05833	6.4
Suspended solids	mg/l	12	6	27.5	112
Temperature	°C	12	0.2	12.65833	23.8
Tetrachloroethylene	µg/l	12	< 5	< 5	< 5
Total nitrogen	mg/l	10	< 0.5	1.09	2.1

River: Tisza/Hármas- **Catchment:** 4302.00
Distance from mouth: 16 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	12	0.0298	0.0953	0.174
Zinc (Zn)	µg/l	12	< 1.55	14.42917	36
Zinc (Zn), dissolved	µg/l	12	< 1.55	9.99583	32
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	12	4.94	7.60583	7.98

5.00	5.00
0.65	1.00
0.37	0.65
306.00	343.00
5.90	20.00
4.20	13.00
7.20	7.20
13.30	52.60
0.201	0.384
2.20	3.20
0.70	2.20
0.047	0.065
0.05	0.05
0.80	1.70
0.46	1.20
0.70	0.90
0.01	0.02
1.30	1.30
0.0275	0.062
0.001	0.001
3.10	5.80
16.00	62.00
13.30	22.30
5.00	5.00
2.10	2.10

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km2 **2011**
m **HU13**

C50	C90
0.0861	0.159
12.00	32.00
6.50	24.00
0.005	0.005
7.84	7.77

River: Tisza/Hármas- **Catchment:** 4251.00
Distance from mouth: 59 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Aluminium (Al)	µg/l	12	5.6	155.71667	660
Aluminium (Al), dissolved	µg/l	12	5.4	86.28333	260
Ammonium (NH ₄ -N)	mg/l	12	0.04	0.10167	0.18
Anionic active surfactants	mg/l	6	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1.7	5.20614	21
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	6	< 0.5	2.45	3.8
COD (Cr)	mg/l	11	9.9	13.87273	21.9
COD (Mn)	mg/l	11	2.1	3.45455	7.1
Cadmium (Cd)	µg/l	12	< 0.1	0.58667	5
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.11667	0.3
Chloride (Cl ⁻)	mg/l	12	7	15.75	20

km2 2011
m HU14

C50	C90
78.00	420.00
44.00	210.00
0.08	0.18
0.01	0.01
1.70	11.44
0.005	0.005
3.80	3.80
13.00	20.50
3.00	4.70
0.10	0.80
0.10	0.10
17.00	19.00

Chloroform	µg/l	12	< 5	< 5	< 5
Chromium (Cr) - total	µg/l	12	< 0.1	1.1075	2.6
Chromium (Cr), total	µg/l	12	< 0.1	0.6	1.2
Conductivity	µS/cm	12	171.4	344.975	447
Copper (Cu)	µg/l	12	4.2	9.425	20
Copper (Cu), dissolved	µg/l	12	3.5	7.20833	20
Dissolved oxygen	mg/l	6	7.2	11	13.6
Flow	m3/s	365	1.19	16.62167	115
Iron (Fe)	mg/l	12	0.019	0.2755	0.929
Lead (Pb)	µg/l	12	< 0.7	2.53333	9.7
Lead (Pb), dissolved	µg/l	12	< 0.7	1.225	2.7
Manganese (Mn)	mg/l	11	0.034	0.07355	0.134
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.15	4.79917	47
Nickel (Ni), dissolved	µg/l	12	< 0.15	3.71583	39
Nitrate (NO3-N)	mg/l	12	0.3	0.775	1.1
Nitrite (NO2-N)	mg/l	12	0.01	0.01333	0.03
Organic nitrogen	mg/l	10	< 0.5	0.59	1.4
Orthophosphate (PO4-P)	mg/l	12	0.0207	0.0605	0.133
Petroleum hydrocarbons	mg/l	1	< 0.02	< 0.02	< 0.02
Phenol index	mg/l	7	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	2.15	7.6
Suspended solids	mg/l	12	< 1.5	32.91667	138
Temperature	°C	12	0.3	12.8	25.2
Tetrachloroethylene	µg/l	12	< 5	< 5	< 5
Total nitrogen	mg/l	10	< 0.5	1.32	2.4

River: Tisza/Hármas- **Catchment:** 4251.00
Distance from mouth: 59 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	12	0.058	0.12243	0.194
Zinc (Zn)	µg/l	12	< 1.55	14.2375	26
Zinc (Zn), dissolved	µg/l	12	< 1.55	7.67083	18
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	12	7.54	7.85833	8.08

5.00	5.00
0.90	1.80
0.58	1.00
341.00	411.00
7.90	18.00
5.60	14.00
7.20	7.20
8.88	41.30
0.18	0.444
1.70	3.80
0.70	2.50
0.062	0.134
0.05	0.05
0.64	3.60
0.51	1.60
0.90	1.00
0.01	0.02
1.40	1.40
0.068	0.075
0.001	0.001
1.40	3.90
18.00	106.00
13.40	22.00
5.00	5.00
2.40	2.40

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km2 **2011**
m **HU14**

C50	C90
0.121	0.188
12.00	24.00
7.00	12.00
0.005	0.005
7.87	7.64

River: Tisza/Maros **Catchment:** 30149.00
Distance from mouth: 51 **Altitude:** 80
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	6	9.33	32.08167	70.5
Alkalinity - total	mmol/l	12	2.1	2.84167	3.9
Aluminium (Al)	µg/l	12	426	2538.1666	11600
Aluminium (Al), dissolved	µg/l	12	7.2	93.28333	767
Ammonium (NH ₄ -N)	mg/l	12	< 0.015	0.09	0.31
Anionic active surfactants	mg/l	12	< 0.01	0.01167	0.03
Arsenic (As)	µg/l	12	< 1	2.72917	7.69
Arsenic (As), dissolved	µg/l	12	< 1	1.40417	2.89
Atrazine	µg/l	6	< 0.0025	0.00658	0.013
BOD (5)	mg/l	12	< 0.25	1.97917	3.9
COD (Cr)	mg/l	12	10.5	19.91667	43
COD (Mn)	mg/l	12	2.4	4.73333	9.9

km2 2011
m HU15

C50	C90
70.50	70.50
2.80	3.50
1050.00	6390.00
31.20	82.80
0.015	0.28
0.01	0.01
1.00	7.34
1.00	2.58
0.013	0.013
1.30	3.60
17.50	31.20
4.20	7.20

Cadmium (Cd)	µg/l	12	< 0.05	0.41667	2.2
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.125	0.5
Calcium (Ca++)	mg/l	12	37.3	56.74167	76.9
Carbon tetrachloride	µg/l	1	< 0.05	< 0.05	< 0.05
Chloride (Cl-)	mg/l	12	21	64.16667	152
Chloroform	µg/l	1	< 0.75	< 0.75	< 0.75
Chromium (Cr) - total	µg/l	12	3.92	10.64667	32.8
Chromium (Cr), total	µg/l	12	1	4.75	9
Conductivity	µS/cm	12	278	533.16667	845
Copper (Cu)	µg/l	12	7.88	28.215	54.2
Copper (Cu), dissolved	µg/l	12	3.1	5.8	9.1
Dissolved oxygen	mg/l	12	8.2	10.68333	14.4
Flow	m3/s	365	37	130.90959	386
Iron (Fe)	mg/l	12	0.483	2.89058	14.5
Lead (Pb)	µg/l	12	< 0.5	6.7625	32.4
Lead (Pb), dissolved	µg/l	12	< 0.5	0.75	2
Lindane (gama-HCH)	µg/l	6	< 0.0025	< 0.0025	< 0.0025
Macrozoobenthos - number of families	-	2	12	14.5	17
Macrozoobenthos no. of taxa	-	2	14	18.5	23
Macrozoobenthos sapr. index	-	2	2.11	2.115	2.12
Magnesium (Mg++)	mg/l	12	7.95	13.455	21.1
Manganese (Mn)	mg/l	12	0.06	0.15675	0.494
Mercury (Hg)	µg/l	12	< 0.05	0.07333	0.19
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Nickel (Ni)	µg/l	12	< 0.25	7.76583	19.3
Nickel (Ni), dissolved	µg/l	12	< 0.25	2.27917	5.7

River: Tisza/Maros **Catchment:** 30149.00
Distance from mouth: 51 **Altitude:** 80
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Nitrate (NO3-N)	mg/l	12	0.21	1.13833	2.16
Nitrite (NO2-N)	mg/l	12	< 0.003	0.01008	0.02
Organic nitrogen	mg/l	12	0.46	0.9925	2.19
Orthophosphate (PO4-P)	mg/l	12	< 0.01	0.03	0.06
Petroleum hydrocarbons	mg/l	12	0.02	0.03083	0.05
Phenol index	mg/l	12	< 0.001	0.003	0.008
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	22.79167	92
Potassium (K+)	mg/l	12	2.8	4.84167	7.3

0.05 1.10
0.05 0.20
55.40 70.40

63.00 82.00

7.94 15.30
5.00 8.00
500.00 690.00
23.40 42.70
5.50 8.20
10.40 8.20
136.00 221.00
0.905 7.02
3.39 11.90
0.50 2.00
0.0025 0.0025

11.60 18.60
0.117 0.26
0.05 0.19
0.05 0.05
3.79 18.00
1.20 5.30

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C50	C90
1.08	2.09
0.003	0.02
0.90	1.34
0.01	0.06
0.03	0.04
0.001	0.007
5.90	52.00
4.40	7.20

Sodium (Na+)	mg/l	12	14	47.25	86
Sulphate (SO4--)	mg/l	12	33	64.66667	102
Suspended solids	mg/l	12	12	65.41667	317
TOC	mg/l	12	2.7	5.00833	9.4
Temperature	°C	12	< 0.00000	12.51667	24.1
Tetrachloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Total nitrogen	mg/l	12	0.8	2.225	3.3
Total phosphorus	mg/l	12	< 0.025	0.12125	0.29
Trichloroethylene	µg/l	1	< 0.15	< 0.15	< 0.15
Zinc (Zn)	µg/l	12	3.4	29.70333	101
Zinc (Zn), dissolved	µg/l	12	2.1	6.44167	16.2
p,p'-DDT	µg/l	6	< 0.00125	< 0.00279	< 0.0031
pH	-	12	7.71	8.17917	8.82

River: Danube **Catchment:** 150820.00
Distance from mouth: 1768 **Altitude:** 101
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	10.39167	16.7
Alkalinity - total	mmol/l	12	3.2	3.85833	4.6
Ammonium (NH4-N)	mg/l	12	< 0.008	0.03558	0.101
Anionic active surfactants	mg/l	12	< 0.02	0.03483	0.139

36.00 76.00
66.00 91.00
34.00 136.00
4.20 8.60
13.60 23.90

2.20 3.30
0.11 0.19

18.50 51.40
4.30 11.30
0.0031 0.0031
8.11 7.87

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C50	C90
11.30	15.40
3.90	4.40
0.031	0.078
0.02	0.05

Arsenic (As), dissolved	µg/l	12	< 0.45	< 0.45	< 0.45
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	12	1.86	4.89	8.2
COD (Cr)	mg/l	12	6.5	9.10833	12
COD (Mn)	mg/l	12	2	3.05833	4.4
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.0625	0.2
Calcium (Ca++)	mg/l	12	52	61.2	74.4
Chloride (Cl-)	mg/l	12	13.5	21.20833	29.1
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1
Conductivity	µS/cm	12	348	426.5	526
Copper (Cu), dissolved	µg/l	12	0.9	1.95	5.3
Dissolved oxygen	mg/l	12	7.73	10.80167	15.05
Flow	m3/s	365	759	1695.2438	6320
Lead (Pb), dissolved	µg/l	12	< 0.35	< 0.35	< 0.35
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005
Magnesium (Mg++)	mg/l	12	12.6	16.95833	23.8
Mercury (Hg), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01
Nickel (Ni), dissolved	µg/l	12	< 0.35	0.92083	2.6
Nitrate (NO3-N)	mg/l	12	1.29	2.06333	3.34
Nitrite (NO2-N)	mg/l	12	< 0.001	0.01558	0.043
Organic nitrogen	mg/l	12	< 0.5	1.0525	3.3
Orthophosphate (PO4-P)	mg/l	12	< 0.00325	0.03919	0.057
Petroleum hydrocarbons	mg/l	12	< 0.003	0.01433	0.036
Phenol index	mg/l	12	< 0.001	0.00217	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1	7.03833	27.2
Potassium (K+)	mg/l	12	< 2	< 2	< 2
Sodium (Na+)	mg/l	12	11.6	16.14167	22.9
Sulphate (SO4--)	mg/l	12	33.1	44.19167	57.1
Suspended solids	mg/l	12	7	19.08333	37
TOC	mg/l	12	2.1	3.85	6.7
Temperature	°C	12	2.2	12.06667	21.9
Total nitrogen	mg/l	12	1.82	3.13833	5.72
Total phosphorus	mg/l	12	0.06	0.1	0.14
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5

River: Danube **Catchment:** 150820.00
Distance from mouth: 1768 **Altitude:** 101
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
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0.45	0.45
0.005	0.005
4.14	8.06
8.90	11.70
2.90	3.80
0.05	0.05
59.20	72.80
22.70	25.50
1.00	1.00
404.00	511.00
1.50	2.60
11.25	8.01
1600.00	2370.00
0.35	0.35
0.005	0.005
15.10	22.30
0.01	0.01
0.35	2.00
1.90	3.12
0.01	0.026
0.50	2.47
0.05	0.057
0.01	0.026
0.001	0.004
2.37	17.80
2.00	2.00
15.50	22.10
42.70	53.30
19.00	27.00
3.50	4.80
10.00	21.80
2.75	4.67
0.10	0.13
5.00	5.00

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C50	C90
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p,p'-DDT	µg/l	12	< 0.01	< 0.01	< 0.01
pH	-	12	7.99	8.26	8.72

River: Danube **Catchment:** 150820.00
Distance from mouth: 1768 **Altitude:** 101
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	14	17.5	21
Macrozoobenthos no. of taxa	-	2	20	23	26
Macrozoobenthos sapr. index	-	2	2.02	2.045	2.07

0.01 0.01
8.21 8.12

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m HU2

C50	C90
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River: Danube **Catchment:** 183350.00
Distance from mouth: 1708 **Altitude:** 100
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	5.525	11.3
Alkalinity - total	mmol/l	24	2.4	3.42917	4.4
Aluminium (Al)	µg/l	10	81.8	573.8	3260
Aluminium (Al), dissolved	µg/l	10	< 5	46.91	169
Ammonium (NH ₄ -N)	mg/l	24	0.01	0.06333	0.2
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1	1.81917	4.05
Arsenic (As), dissolved	µg/l	13	< 1	1.58923	4.04
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025
BOD (5)	mg/l	24	1	2.76667	5
COD (Cr)	mg/l	23	8	11.4	16
COD (Mn)	mg/l	24	1.8	3.58333	5.9

km2 2011
m HU3

C50	C90
5.00	5.00
3.50	4.10
3260.00	3260.00
169.00	169.00
0.05	0.13
0.01	0.01
1.00	3.26
1.00	3.11
0.025	0.025
2.80	4.40
11.00	15.00
3.70	5.00

0.25	0.25
0.25	0.25
58.60	75.10
0.025	0.025
25.50	45.00
0.025	0.025
0.25	0.25
0.25	0.25
480.00	650.00
3.41	10.80
2.54	5.49
8.50	6.10
0.389	0.389
0.25	2.52
0.25	0.25
0.025	0.025

0.046	0.081
0.025	0.11
0.025	0.06
0.74	0.97
0.62	0.74
1.90	2.80
0.018	0.027

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m HU3

C50	C90
0.08	0.36
0.01	0.01
0.001	0.001
13.30	38.10
3.80	5.10
16.50	20.80
57.60	76.80
13.00	52.00

TOC	mg/l	12	2.4	4.03333	7.2
Temperature	°C	24	1.1	12.27917	24.1
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025
Total nitrogen	mg/l	24	1.4	2.27917	3.53
Total phosphorus	mg/l	24	0.04	0.11833	0.26
Zinc (Zn)	µg/l	12	< 10	16.16667	48
Zinc (Zn), dissolved	µg/l	13	< 10	< 10	< 10
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025
pH	-	24	7.9	8.29167	8.7

River: Danube **Catchment:** 183350.00
Distance from mouth: 1708 **Altitude:** 100
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	5.8	14.6
Alkalinity - total	mmol/l	24	2.5	3.34167	4.2
Aluminium (Al)	µg/l	11	< 5	225.55455	542

3.70	5.70
11.70	21.60
0.025	0.025
2.23	3.20
0.11	0.17
10.00	29.00
10.00	10.00
0.025	0.025
8.30	8.00

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km2 **2011**
m **HU3**

C50	C90
5.00	5.00
3.40	4.00
199.00	467.00

Aluminium (Al), dissolved	µg/l	11	< 5	38.59091	201
Ammonium (NH4-N)	mg/l	24	0.01	0.05042	0.12
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1	1.16	2.92
Arsenic (As), dissolved	µg/l	13	< 1	1.14308	2.86
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025
BOD (5)	mg/l	24	0.8	2.49167	4.5
COD (Cr)	mg/l	24	7	10.74167	18
COD (Mn)	mg/l	24	1.4	3.2375	4.7
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25
Cadmium (Cd), dissolved	µg/l	13	< 0.25	< 0.25	< 0.25
Calcium (Ca++)	mg/l	24	41.5	55.80417	69.3
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025
Chloride (Cl-)	mg/l	24	20	27.90833	45
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.28167	0.63
Chromium (Cr), total	µg/l	13	< 0.25	< 0.25	< 0.25
Conductivity	µS/cm	24	360	448.75	590
Copper (Cu)	µg/l	12	1.19	4.5925	9.8
Copper (Cu), dissolved	µg/l	13	0.76	2.76692	8.58
Dissolved oxygen	mg/l	24	5.4	8.42083	11.5
Flow	m3/s	365	917	1881.8493	6410
Iron (Fe)	mg/l	11	0.07	0.14164	0.3
Lead (Pb)	µg/l	12	< 0.25	0.58417	1.53
Lead (Pb), dissolved	µg/l	13	< 0.25	< 0.25	< 0.25
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025
Manganese (Mn)	mg/l	11	< 0.0025	0.02859	0.075
Mercury (Hg)	µg/l	12	< 0.025	0.03333	0.08
Mercury (Hg), dissolved	µg/l	13	< 0.025	0.02846	0.07
Nickel (Ni)	µg/l	12	< 0.25	0.79167	1.48
Nickel (Ni), dissolved	µg/l	13	< 0.25	0.49	0.94
Nitrate (NO3-N)	mg/l	24	0.95	1.88042	3.2
Nitrite (NO2-N)	mg/l	24	0.006	0.01321	0.026
Organic nitrogen	mg/l	23	< 0.025	0.14304	0.37
Petroleum hydrocarbons	mg/l	12	< 0.01	< 0.01	< 0.01

River: Danube **Catchment:** 183350.00
Distance from mouth: 1708 **Altitude:** 100
Location: Middle

17.20	48.20
0.05	0.09
0.01	0.01
1.00	1.00
1.00	1.00
0.025	0.025
2.10	4.00
10.00	14.00
3.00	4.70
0.25	0.25
0.25	0.25
55.70	65.00
0.025	0.025
26.00	36.00
0.025	0.025
0.25	0.25
0.25	0.25
430.00	560.00
3.77	7.62
2.06	5.31
8.50	6.20
1770.00	2560.00
0.125	0.205
0.25	1.17
0.25	0.25
0.025	0.025
0.025	0.049
0.025	0.07
0.025	0.025
0.85	1.20
0.54	0.82
1.60	3.00
0.012	0.023
0.07	0.34
0.01	0.01

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km2 **2011**
m **HU3**

Determinand name	Unit	N	Min	Mean	Max
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	14	< 0.5	14.90714	42.8
Potassium (K+)	mg/l	24	2.2	2.79167	3.5
Sodium (Na+)	mg/l	24	10	15.40833	21.1
Sulphate (SO4--)	mg/l	24	8	55.13333	74.4
Suspended solids	mg/l	24	< 1	17.25	48
TOC	mg/l	12	1.7	3.53333	7
Temperature	°C	24	2.5	12.4	23.9
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025
Total nitrogen	mg/l	24	1.08	2.09083	3.5
Total phosphorus	mg/l	24	0.03	0.1	0.27
Zinc (Zn)	µg/l	12	< 10	< 10	< 10
Zinc (Zn), dissolved	µg/l	13	< 10	< 10	< 10
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025
pH	-	24	8	8.36667	8.9

C50	C90
0.001	0.001
5.50	39.80
2.80	3.30
15.50	19.20
55.20	72.00
15.00	38.00
3.60	4.60
11.70	21.40
0.025	0.025
1.77	3.30
0.09	0.15
10.00	10.00
10.00	10.00
0.025	0.025
8.30	8.10

River: Danube **Catchment:** 183350.00
Distance from mouth: 1708 **Altitude:** 100
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	5.45	10.4
Alkalinity - total	mmol/l	24	2.6	3.30833	4.2
Aluminium (Al)	µg/l	11	44.7	248.20909	708
Aluminium (Al), dissolved	µg/l	11	< 5	59.64545	217
Ammonium (NH ₄ -N)	mg/l	24	0.01	0.05417	0.15
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01
Arsenic (As)	µg/l	12	< 1	< 1	< 1
Arsenic (As), dissolved	µg/l	13	< 1	< 1	< 1
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025
BOD (5)	mg/l	24	0.8	2.5375	4.2
COD (Cr)	mg/l	23	7	10.78261	16
COD (Mn)	mg/l	24	1.6	3.32083	4.8
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25
Cadmium (Cd), dissolved	µg/l	13	< 0.25	< 0.25	< 0.25
Calcium (Ca ⁺⁺)	mg/l	24	43	56.7	79.4
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025
Chloride (Cl ⁻)	mg/l	24	20	27.84583	43
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.36167	1.01
Chromium (Cr), total	µg/l	13	< 0.25	< 0.25	< 0.25
Conductivity	µS/cm	24	365	452.91667	590
Copper (Cu)	µg/l	12	1.51	3.7325	9.02
Copper (Cu), dissolved	µg/l	13	0.8	2.52923	5.2
Dissolved oxygen	mg/l	24	5.6	8.475	11.4
Iron (Fe)	mg/l	11	0.05	0.16464	0.349
Lead (Pb)	µg/l	12	< 0.25	0.50667	1.22
Lead (Pb), dissolved	µg/l	13	< 0.25	0.29692	0.86
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025
Macrozoobenthos - number of families	-	2	8	10	12
Macrozoobenthos no. of taxa	-	2	9	11	13
Macrozoobenthos sapr. index	-	2	2.1	2.1	2.1
Manganese (Mn)	mg/l	11	< 0.0025	0.02859	0.051
Mercury (Hg)	µg/l	12	< 0.025	0.03167	0.07
Mercury (Hg), dissolved	µg/l	13	< 0.025	0.02846	0.07
Nickel (Ni)	µg/l	12	< 0.25	0.8525	1.75
Nickel (Ni), dissolved	µg/l	13	< 0.25	0.56077	0.9
Nitrate (NO ₃ -N)	mg/l	24	0.9	1.93042	3.2
Nitrite (NO ₂ -N)	mg/l	24	0.006	0.01354	0.027

km2 2011

m HU3

C50	C90
5.00	5.00
3.30	3.90
230.00	382.00
44.90	174.00
0.05	0.09
0.01	0.01
1.00	1.00
1.00	1.00
0.025	0.025
2.10	4.00
11.00	14.00
3.20	4.60
0.25	0.25
0.25	0.25
57.20	66.40
0.025	0.025
27.40	34.00
0.025	0.025
0.25	0.83
0.25	0.25
430.00	565.00
2.84	6.08
2.07	5.03
8.60	5.90
0.164	0.248
0.25	0.98
0.25	0.25
0.025	0.025
0.029	0.05
0.025	0.06
0.025	0.025
0.82	1.50
0.57	0.89
1.67	3.20
0.012	0.023

km2 2011

m HU3

C50	C90
0.08	0.38
0.01	0.01
0.001	0.001
2.70	41.20
2.90	3.20
15.90	19.00
57.60	76.80
12.00	39.00
3.10	5.20
11.60	21.50
0.025	0.025
1.85	3.50
0.09	0.17
10.00	10.00
10.00	10.00
0.025	0.025
8.30	8.00

River: Danube **Catchment:** 188700.00
Distance from mouth: 1560 **Altitude:** 89
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	23	2.7	3.53913	4.5
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.0575	0.16
Arsenic (As), dissolved	µg/l	11	< 0.5	1.21818	2.3
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	24	1	3.125	7.8
COD (Cr)	mg/l	24	8	12.20833	20
COD (Mn)	mg/l	24	2.5	4.12917	7
Cadmium (Cd), dissolved	µg/l	11	< 0.025	< 0.02955	< 0.05
Calcium (Ca ⁺⁺)	mg/l	13	49.2	62.26923	80.6
Carbon tetrachloride	µg/l	1	< 0.5	< 0.5	< 0.5
Chloride (Cl ⁻)	mg/l	23	15.7	28.3087	47.8
Chloroform	µg/l	1	< 0.5	< 0.5	< 0.5

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m HU4

C50	C90
3.40	4.30
0.05	0.13
1.20	2.10
0.005	0.005
2.60	4.50
12.00	19.00
3.80	6.10
0.025	0.05
58.50	73.40
26.60	39.20

0.20	0.30
445.00	575.00
2.70	4.70
10.30	7.90
0.25	0.25
0.005	0.005
19.00	21.90
0.025	0.05
0.80	1.60
1.65	3.10
0.012	0.027
0.65	0.98
5.20	83.00
4.462	5.374

16.00	40.00
3.80	6.80
12.00	21.40

2.42	4.29
0.09	0.15

2.50	6.50
0.005	0.005
8.29	8.04

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m HU4

C50	C90
3.50	4.30
0.05	0.13
2.20	2.20
0.005	0.005
3.00	4.70
10.00	18.00
3.60	5.90
0.06	0.06

Calcium (Ca ⁺⁺)	mg/l	13	49.2	61.55385	80.6
Carbon tetrachloride	µg/l	1	< 0.5	< 0.5	< 0.5
Chloride (Cl ⁻)	mg/l	23	15.7	29.01304	49
Chloroform	µg/l	1	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	10	< 0.05	0.21	0.5
Conductivity	µS/cm	23	340	465.65217	640
Copper (Cu), dissolved	µg/l	10	1.3	3.05	9.7
Dissolved oxygen	mg/l	24	7.9	10.26667	13.3
Flow	m ³ /s	365	986	1992.1205	6300
Lead (Pb), dissolved	µg/l	10	< 0.25	0.335	1.1
Lindane (gamma-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005
Magnesium (Mg ⁺⁺)	mg/l	13	10.6	18.97692	31.4
Mercury (Hg), dissolved	µg/l	10	< 0.025	< 0.03	< 0.05
Nickel (Ni), dissolved	µg/l	10	< 0.1	1.04	2.1
Nitrate (NO ₃ -N)	mg/l	24	0.97	2.06583	3.82
Nitrite (NO ₂ -N)	mg/l	24	< 0.005	0.01567	0.032
Organic nitrogen	mg/l	24	< 0.125	0.67854	1.56
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 1	26.69583	111
Potassium (K ⁺)	mg/l	3	2.4	2.8	3
Silicates (SiO ₂)	mg/l	24	3.166	4.59996	6.258
Sodium (Na ⁺)	mg/l	3	11.1	14.13333	16.5
Sulphate (SO ₄ ⁻⁻)	mg/l	5	39.4	54.08	60.5
Suspended solids	mg/l	24	4	20.79167	80
TOC	mg/l	24	2.7	4.37917	7.8
Temperature	°C	24	1.4	12.29167	21.9
Tetrachloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Total nitrogen	mg/l	24	1.67	2.82875	4.6
Total phosphorus	mg/l	24	0.05	0.10708	0.42
Trichloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Zinc (Zn), dissolved	µg/l	10	< 1.5	3	8

River: Danube **Catchment:** 188700.00
Distance from mouth: 1560 **Altitude:** 89
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	23	7.94	8.35	8.86

57.70	73.40
26.80	41.20
0.50	0.50
445.00	575.00
9.70	9.70
9.90	8.10
1860.00	2690.00
1.10	1.10
0.005	0.005
18.00	21.50
0.05	0.05
2.10	2.10
1.72	3.14
0.012	0.027
0.64	1.06
5.10	83.00
4.427	5.661
60.50	60.50
17.00	38.00
3.80	6.30
12.10	21.60
2.46	4.36
0.09	0.14
8.00	8.00

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km2 2011
m HU4

C50	C90
0.005	0.005
8.28	8.05

River: Danube **Catchment:** 188700.00
Distance from mouth: 1560 **Altitude:** 89
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	23	3	3.62609	4.5
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.06083	0.17
Arsenic (As), dissolved	µg/l	11	< 0.5	1.11818	2.6
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005
BOD (5)	mg/l	24	1	3.0875	6.8
COD (Cr)	mg/l	24	7	12.29167	20
COD (Mn)	mg/l	24	2.5	4.03333	7
Cadmium (Cd), dissolved	µg/l	11	< 0.025	0.03273	0.06
Calcium (Ca ⁺⁺)	mg/l	13	49.2	61.36154	79.8
Carbon tetrachloride	µg/l	1	< 0.5	< 0.5	< 0.5
Chloride (Cl ⁻)	mg/l	23	17.4	29.26522	49.8
Chloroform	µg/l	1	< 0.5	< 0.5	< 0.5

km2 2011
m HU4

C50	C90
3.55	4.40
0.06	0.12
1.10	1.90
0.005	0.005
2.70	4.70
11.00	19.00
3.80	5.80
0.025	0.05
58.10	73.40
27.40	39.20

Chromium (Cr), total	µg/l	11	< 0.05	0.2	0.6
Conductivity	µS/cm	23	355	479.34783	635
Copper (Cu), dissolved	µg/l	11	1.2	2.08182	3.9
Dissolved oxygen	mg/l	24	7.7	10.2125	12.8
Lead (Pb), dissolved	µg/l	11	< 0.25	0.36364	1.5
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005
Macrozoobenthos - number of families	-	2	11	13.5	16
Macrozoobenthos no. of taxa	-	2	22	22.5	23
Macrozoobenthos sapr. index	-	2	2.01	2.02	2.03
Magnesium (Mg++)	mg/l	13	12.6	19.44615	30.5
Mercury (Hg), dissolved	µg/l	11	< 0.025	< 0.02955	< 0.05
Nickel (Ni), dissolved	µg/l	11	< 0.1	0.91818	2.3
Nitrate (NO3-N)	mg/l	24	0.95	2.05958	3.91
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01513	0.03
Organic nitrogen	mg/l	24	< 0.125	0.80188	1.61
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 1	28.92917	132
Silicates (SiO2)	mg/l	24	3.48	4.62413	6.99
Sulphate (SO4--)	mg/l	1	39.8	39.8	39.8
Suspended solids	mg/l	24	5	19.5	63
TOC	mg/l	24	2.6	4.35417	7.3
Temperature	°C	24	1.5	12.325	21.8
Tetrachloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Total nitrogen	mg/l	24	1.67	2.9425	5.52
Total phosphorus	mg/l	24	0.05	0.1075	0.41
Trichloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Zinc (Zn), dissolved	µg/l	11	< 1.5	1.90909	4

River: Danube **Catchment:** 188700.00
Distance from mouth: 1560 **Altitude:** 89
Location: Right

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005
pH	-	23	7.8	8.33609	8.87

0.20 0.30
490.00 600.00
1.90 2.50
10.40 8.00
0.25 0.25
0.005 0.005

18.90 23.70
0.025 0.05
0.80 1.10
1.70 3.10
0.014 0.026
0.74 1.16
5.20 94.00
4.49 5.445

14.00 42.00
3.90 7.00
12.20 21.60

2.37 4.53
0.09 0.14

1.50 2.50

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km2 2011
m HU4

C50	C90
0.005	0.005
8.30	8.02

km2 2011
m HU5

C50	C90
3.40	4.30
0.06	0.13
0.02	0.05
1.20	1.80
0.005	0.005
2.60	5.00
10.00	17.00
3.40	5.60
0.025	0.05
62.90	74.00
24.80	32.80

Chloroform	µg/l	2	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	15	< 0.05	0.28667	1.1
Conductivity	µS/cm	24	345	443.125	555
Copper (Cu), dissolved	µg/l	15	0.9	2.69333	5.9
Dissolved oxygen	mg/l	24	7.4	10.37917	13.6
Flow	m3/s	365	1030	1970.7671	5430
Lead (Pb), dissolved	µg/l	15	< 0.25	0.93333	7.9
Lindane (gama-HCH)	µg/l	13	< 0.005	< 0.005	< 0.005
Magnesium (Mg++)	mg/l	14	10.6	17.71429	23.4
Mercury (Hg), dissolved	µg/l	15	< 0.025	0.035	0.1
Nickel (Ni), dissolved	µg/l	15	< 0.25	0.94333	3.1
Nitrate (NO3-N)	mg/l	24	0.95	1.92542	3.14
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01075	0.024
Organic nitrogen	mg/l	24	< 0.125	0.53729	0.89
Petroleum hydrocarbons	mg/l	16	< 0.02	0.04875	0.1
Phenol index	mg/l	16	< 0.001	0.00213	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	25	< 1	32.528	129
Potassium (K+)	mg/l	12	1.3	2.99167	3.7
Silicates (SiO2)	mg/l	23	3.001	4.47604	5.606
Sodium (Na+)	mg/l	12	4.3	14.66667	21
Sulphate (SO4--)	mg/l	14	34	51.38571	65.5
Suspended solids	mg/l	24	7	23.45833	126
TOC	mg/l	24	2.4	4.1	7.8
Temperature	°C	24	0.7	12.8625	23.6
Tetrachloroethylene	µg/l	2	< 0.5	< 0.5	< 0.5
Total nitrogen	mg/l	24	1.31	2.55083	3.89

River: Danube **Catchment:** 211503.00
Distance from mouth: 1435 **Altitude:** 79
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	24	0.05	0.10708	0.36
Trichloroethylene	µg/l	2	< 0.5	< 0.5	< 0.5
Zinc (Zn), dissolved	µg/l	15	< 1.5	2.93333	14
p,p'-DDT	µg/l	13	< 0.005	< 0.005	< 0.005
pH	-	24	7.84	8.345	8.95

0.10	0.70
445.00	535.00
2.20	4.80
10.70	8.00
1840.00	2690.00
0.25	2.50
0.005	0.005
17.60	23.20
0.025	0.05
0.80	1.50
1.63	3.01
0.011	0.021
0.56	0.83
0.05	0.09
0.001	0.005
7.40	89.00
3.10	3.70
4.52	5.495
16.40	18.00
54.00	62.50
16.00	38.00
3.70	6.30
13.40	22.60
2.17	3.83

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km2 **2011**
m **HU5**

C50	C90
0.10	0.14
1.50	5.50
0.005	0.005
8.27	8.04

River: Danube **Catchment:** 211503.00
Distance from mouth: 1435 **Altitude:** 79
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	13	13.5	14
Macrozoobenthos no. of taxa	-	2	21	22	23
Macrozoobenthos sapr. index	-	2	2.17	2.18	2.19

km2 2011
m HU5

C50	C90
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River: Sio **Catchment:** 14693.00
Distance from mouth: 13 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	24.4	35.68333	53.2
Alkalinity - total	mmol/l	12	6.23	7.88083	8.97
Ammonium (NH ₄ -N)	mg/l	12	0.03108	0.14744	0.70707
Anionic active surfactants	mg/l	12	0.015	0.03226	0.05
Arsenic (As), dissolved	µg/l	12	2	4.5	7
Atrazine	µg/l	1	< 0.0075	< 0.0075	< 0.0075
BOD (5)	mg/l	12	1.4	3.91667	7
COD (Cr)	mg/l	12	21	27.33333	38
COD (Mn)	mg/l	10	5.6	8.31	11
Cadmium (Cd)	µg/l	11	< 0.1	< 0.1	< 0.1
Cadmium (Cd), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Calcium (Ca ⁺⁺)	mg/l	11	71	92.81818	116

km2 2011
m HU6

C50	C90
35.50	43.00
7.98	8.95
0.0676	0.2953
0.03	0.044
4.00	6.00
3.30	5.60
26.00	35.00
11.00	11.00
0.10	0.10
0.10	0.10
90.00	115.00

Chloride (Cl-)	mg/l	12	38	49.91667	60
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	740	984.16667	1170
Copper (Cu), dissolved	µg/l	12	< 0.5	2.70833	5
Dissolved oxygen	mg/l	12	4.1	10.16917	16.3
Flow	m3/s	365	1.94	13.97948	67.1
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	1	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos - number of families	-	2	12	12.5	13
Macrozoobenthos no. of taxa	-	2	15	15.5	16
Macrozoobenthos sapr. index	-	2	2.1	2.27	2.44
Magnesium (Mg++)	mg/l	11	46	65.90909	79
Mercury (Hg)	µg/l	10	< 0.01	0.043	0.13
Mercury (Hg), dissolved	µg/l	12	< 0.01	0.01333	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.08333	3
Nitrate (NO3-N)	mg/l	12	2.46	3.73417	6.32
Nitrite (NO2-N)	mg/l	12	0.02	0.05925	0.11
Organic nitrogen	mg/l	12	0.56622	1.37578	4.31838
Orthophosphate (PO4-P)	mg/l	12	0.063	0.24125	0.385
Petroleum hydrocarbons	mg/l	4	0.0163	0.02323	0.0276
Phenol index	mg/l	11	< 0.001	0.00118	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	8.88	50.275	143
Potassium (K+)	mg/l	11	8.2	17.72727	97
Silicates (SiO2)	mg/l	4	3.9	5.425	6.8
Sodium (Na+)	mg/l	11	39	50.81818	64
Sulphate (SO4--)	mg/l	10	73	127.1	178

River: Sio **Catchment:** 14693.00
Distance from mouth: 13 **Altitude:** 85
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Suspended solids	mg/l	12	6	24	56
TOC	mg/l	11	8.2	11.20909	14
Temperature	°C	12	1.8	14	28.9
Total nitrogen	mg/l	12	3.6	5.31667	8.1
Total phosphorus	mg/l	12	0.125	0.41133	0.702
Zinc (Zn)	µg/l	11	< 10	24.27273	51
Zinc (Zn), dissolved	µg/l	12	< 10	18.5	39
pH	-	12	8.05	8.24417	8.36

50.00	53.00
0.50	0.50
940.00	1100.00
2.00	5.00
10.00	5.70
6.12	46.70
0.50	0.50

67.00	73.00
0.13	0.13
0.01	0.01
0.50	2.00
3.51	4.72
0.055	0.098
1.0461	2.0004
0.233	0.366
0.0276	0.0276
0.001	0.001
36.30	91.80
9.60	12.00
6.80	6.80
48.00	62.00
178.00	178.00

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km2 2011
m HU6

C50	C90
16.00	40.00
11.00	14.00
12.90	24.30
5.00	7.50
0.43	0.54
27.00	47.00
10.00	31.00
8.27	8.12

River: Drava **Catchment:** 35764.00
Distance from mouth: 78 **Altitude:** 92
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	2	20	25	30
Macrozoobenthos no. of taxa	-	2	26	31	36
Macrozoobenthos sapr. index	-	2	2.09	2.095	2.1

km2 2011
m HU7

C50	C90
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km2 2011
m HU7

C50	C90
2.95	3.55
0.06	0.09
1.20	1.20
2.00	3.20
8.00	9.00
2.40	2.80
0.025	0.025
62.90	62.90
13.10	17.20

Chloroform	µg/l	1	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	4	< 0.05	0.1125	0.3
Conductivity	µS/cm	15	260	346.33333	405
Copper (Cu), dissolved	µg/l	4	0.5	0.75	1
Dissolved oxygen	mg/l	15	7.6	9.95333	12.1
Flow	m3/s	365	221	410.32877	910
Lead (Pb), dissolved	µg/l	4	< 0.25	< 0.25	< 0.25
Lindane (gama-HCH)	µg/l	3	< 0.005	< 0.005	< 0.005
Magnesium (Mg++)	mg/l	4	11.6	15.275	18.4
Mercury (Hg), dissolved	µg/l	4	< 0.025	< 0.025	< 0.025
Nickel (Ni), dissolved	µg/l	4	0.4	0.525	0.8
Nitrate (NO3-N)	mg/l	15	0.66	1.042	1.45
Nitrite (NO2-N)	mg/l	15	< 0.005	0.00727	0.02
Organic nitrogen	mg/l	15	< 0.125	0.25667	0.63
Petroleum hydrocarbons	mg/l	3	0.05	0.06	0.07
Phenol index	mg/l	3	< 0.001	0.00233	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	15	< 1	6.90667	16
Potassium (K+)	mg/l	4	2	2.1	2.2
Silicates (SiO2)	mg/l	3	4.65	5.10967	5.389
Sodium (Na+)	mg/l	4	7.8	9.6	11
Sulphate (SO4--)	mg/l	4	39.4	40.55	41.2
Suspended solids	mg/l	4	8	9.25	10
TOC	mg/l	15	1.8	2.54	4.1
Temperature	°C	15	3	11.76	22.6
Tetrachloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Total nitrogen	mg/l	15	0.88	1.37867	2.1

River: Drava **Catchment:** 35764.00
Distance from mouth: 78 **Altitude:** 92
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	15	0.04	0.072	0.12
Trichloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5
Zinc (Zn), dissolved	µg/l	4	< 1.5	2	3.5
p,p'-DDT	µg/l	3	< 0.005	< 0.005	< 0.005
pH	-	15	8.04	8.23333	8.42

0.30 0.30
355.00 400.00
1.00 1.00
10.00 8.00
384.00 572.00
0.25 0.25

18.40 18.40
0.025 0.025
0.80 0.80
0.99 1.42
0.005 0.012
0.125 0.49

6.10 14.00
2.20 2.20

11.00 11.00
41.20 41.20
10.00 10.00
2.40 3.20
10.90 21.50

1.21 1.93

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km2 2011
m HU7

C50	C90
0.07	0.11

3.50 3.50

8.24 8.05

River: Tisza/Sajo **Catchment:** 3224.00
Distance from mouth: 124 **Altitude:** 148
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	13.08333	23
Alkalinity - total	mmol/l	12	2.55	27.13333	290
Aluminium (Al)	µg/l	11	47	208.59091	423
Aluminium (Al), dissolved	µg/l	11	< 5	20.97273	134
Ammonium (NH ₄ -N)	mg/l	12	0.03	0.09583	0.16
Anionic active surfactants	mg/l	12	< 0.01	0.01492	0.056
Arsenic (As)	µg/l	11	< 0.5	2.35455	5.7
Arsenic (As), dissolved	µg/l	12	< 0.5	1.475	5.1
Atrazine	µg/l	12	< 0.005	< 0.00833	< 0.025
BOD (5)	mg/l	12	2	3.63333	5.2
COD (Cr)	mg/l	12	5	12.16667	18
COD (Mn)	mg/l	12	1.9	3.53333	5.5

km2 2011
m HU8

C50	C90
13.00	19.00
3.15	3.85
253.00	365.00
5.00	39.00
0.10	0.14
0.01	0.023
2.20	3.70
0.50	2.70
0.005	0.025
3.80	5.00
12.00	18.00
3.20	5.40

Cadmium (Cd)	µg/l	11	< 0.05	0.24545	0.8
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.2	< 0.25
Calcium (Ca++)	mg/l	12	47.4	61.06667	73.6
Carbon tetrachloride	µg/l	12	< 0.1	< 0.1	< 0.1
Chloride (Cl-)	mg/l	12	8	12.5	18
Chloroform	µg/l	12	< 0.25	0.29667	0.81
Chromium (Cr) - total	µg/l	11	< 0.5	0.60909	1.7
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	385	456.25	520
Copper (Cu)	µg/l	11	4.2	6.91818	12.8
Copper (Cu), dissolved	µg/l	12	3.3	4.18333	6.7
Dissolved oxygen	mg/l	12	7.4	10.275	13.1
Flow	m3/s	365	4.7	18.05559	192
Iron (Fe)	mg/l	9	0.16	0.29667	0.55
Lead (Pb)	µg/l	11	< 0.5	1.99091	3.7
Lead (Pb), dissolved	µg/l	12	< 0.5	0.90833	1.8
Lindane (gama-HCH)	µg/l	12	< 0.002	< 0.002	< 0.002
Macrozoobenthos - number of families	-	3	20	22.33333	24
Macrozoobenthos no. of taxa	-	3	27	31.33333	34
Macrozoobenthos sapr. index	-	3	2.1	2.19667	2.26
Magnesium (Mg++)	mg/l	12	9.9	15.1	19.7
Manganese (Mn)	mg/l	9	0.06	0.09889	0.19
Mercury (Hg)	µg/l	10	< 0.02	0.037	0.16
Mercury (Hg), dissolved	µg/l	11	< 0.02	< 0.02	< 0.02
Nickel (Ni)	µg/l	11	1.3	4.70909	14.6
Nickel (Ni), dissolved	µg/l	12	< 0.5	2.25	4

River: Tisza/Sajo **Catchment:** 3224.00
Distance from mouth: 124 **Altitude:** 148
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Nitrate (NO ₃ -N)	mg/l	12	1.6	1.975	2.5
Nitrite (NO ₂ -N)	mg/l	12	0.02	0.02583	0.05
Organic nitrogen	mg/l	12	0.21	0.72417	1.44
Petroleum hydrocarbons	mg/l	12	< 0.01	0.01442	0.033
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	3.85833	12.4
Potassium (K+)	mg/l	8	2.4	3.3625	4.6
Sodium (Na+)	mg/l	8	4.9	8.225	9.6

0.25	0.25
0.25	0.25
61.50	68.60
0.10	0.10
11.00	17.00
0.25	0.25
0.50	0.50
0.50	0.50
447.00	513.00
6.30	8.40
3.60	5.70
9.40	8.20
13.00	34.10
0.55	0.55
1.90	3.30
0.50	1.70
0.002	0.002

14.50	19.10
0.19	0.19
0.16	0.16
0.02	0.02
2.30	12.90
2.20	3.70

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m **HU8**

C50	C90
1.90	2.40
0.02	0.03
0.74	1.12
0.01	0.027
0.001	0.001
3.30	4.70
4.60	4.60
9.60	9.60

Suspended solids	mg/l	12	< 2.5	19.66667	56
TOC	mg/l	12	< 0.5	2.995	7.18
Temperature	°C	12	1.4	10.09167	21.4
Tetrachloroethylene	µg/l	12	< 0.1	< 0.1	< 0.1
Total nitrogen	mg/l	12	2.1	2.80833	3.5
Total phosphorus	mg/l	12	0.03	0.09333	0.16
Trichloroethylene	µg/l	12	< 0.1	< 0.1	< 0.1
Zinc (Zn)	µg/l	11	60	107.18182	220
Zinc (Zn), dissolved	µg/l	12	27	50.83333	78
p,p'-DDT	µg/l	5	< 0.006	< 0.006	< 0.006
pH	-	12	7.76	7.94	8.11

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.1	3.11667	4.1
Aluminium (Al), dissolved	µg/l	12	5.3	31.74167	153
Ammonium (NH4-N)	mg/l	25	< 0.015	0.065	0.22

10.00	49.00
2.88	4.39
8.50	17.70
0.10	0.10
2.50	3.40
0.09	0.14
0.10	0.10
94.00	147.00
42.00	75.00
0.006	0.006
7.95	7.80

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m **HU9**

C50	C90
3.00	3.80
17.00	49.30
0.015	0.18

Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01
Arsenic (As), dissolved	µg/l	12	< 1	1.48917	2.78
Atrazine	µg/l	12	< 0.0025	0.00625	0.022
BOD (5)	mg/l	12	0.9	1.63333	2.6
COD (Cr)	mg/l	12	11	14.71667	28.7
COD (Mn)	mg/l	12	2.3	4.08333	8.8
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05
Calcium (Ca++)	mg/l	12	43	55.7	69.1
Chloride (Cl-)	mg/l	12	22	40.33333	65
Chromium (Cr), total	µg/l	12	< 0.25	1.6875	3
Conductivity	µS/cm	12	304	473.91667	660
Copper (Cu), dissolved	µg/l	12	2.6	4.25833	5.4
Dissolved oxygen	mg/l	12	6.9	9.95	12.8
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Lindane (gamma-HCH)	µg/l	12	< 0.0025	< 0.0025	< 0.0025
Macrozoobenthos - number of families	-	2	15	16.5	18
Macrozoobenthos no. of taxa	-	2	18	21	24
Macrozoobenthos sapr. index	-	2	2.15	2.17	2.19
Magnesium (Mg++)	mg/l	12	9.89	13.2975	20.6
Mercury (Hg), dissolved	µg/l	12	< 0.05	0.07083	0.3
Nickel (Ni), dissolved	µg/l	12	< 0.25	2.02083	3.2
Nitrate (NO ₃ -N)	mg/l	25	0.35	0.9568	1.82
Nitrite (NO ₂ -N)	mg/l	25	< 0.003	0.01052	0.03
Organic nitrogen	mg/l	25	< 0.05	0.7024	1.28
Orthophosphate (PO ₄ -P)	mg/l	25	< 0.01	0.0304	0.07
Petroleum hydrocarbons	mg/l	12	< 0.0075	0.02979	0.05
Phenol index	mg/l	12	< 0.001	0.0025	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	< 0.5	20.2	65.1
Potassium (K ⁺)	mg/l	12	2.7	4.03333	6.4
Silicates (SiO ₂)	mg/l	25	4.6	7.956	12.8
Sodium (Na ⁺)	mg/l	12	13	33.08333	56
Sulphate (SO ₄ --)	mg/l	12	30	55.58333	89
Suspended solids	mg/l	25	< 2	36.08	216
TOC	mg/l	25	2.8	4.564	9.8
Temperature	°C	21	1.6	13.42381	25.9

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Left

0.01	0.01
1.00	2.53
0.006	0.007
1.60	2.00
13.70	16.00
3.90	4.30
0.05	0.05
53.40	64.40
38.00	59.00
2.00	3.00
446.00	595.00
4.20	5.30
9.90	7.30
0.50	0.50
0.0025	0.0025

12.90	18.00
0.05	0.05
2.20	3.20
0.76	1.56
0.01	0.02
0.69	1.05
0.03	0.06
0.03	0.04
0.001	0.007
11.00	65.00
3.50	5.00
8.10	11.60
29.00	47.00
55.00	78.00
20.00	94.00
4.30	6.00
12.30	23.70

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m **HU9**

Determinand name	Unit	N	Min	Mean	Max
Total nitrogen	mg/l	25	0.9	1.732	2.8
Total phosphorus	mg/l	25	0.07	0.1152	0.25
Zinc (Zn), dissolved	µg/l	12	2.4	5.35	10.2
p,p'-DDT	µg/l	12	< 0.00125	< 0.00218	< 0.0031
pH	-	12	7.84	8.07333	8.28

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.2	3.17273	4.2
Aluminium (Al), dissolved	µg/l	11	5.8	17	29.9
Ammonium (NH ₄ -N)	mg/l	24	< 0.015	0.06396	0.24
Anionic active surfactants	mg/l	11	< 0.01	< 0.01	< 0.01
Arsenic (As), dissolved	µg/l	11	< 1	1.28636	2.08
Atrazine	µg/l	11	< 0.0025	0.00559	0.012

C50	C90
1.70	2.60
0.10	0.17
5.00	8.60
0.0012	0.0031
8.04	7.95

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m **HU9**

C50	C90
3.10	3.90
17.80	25.20
0.04	0.17
0.01	0.01
1.00	2.06
0.006	0.006

BOD (5)	mg/l	11	1.2	1.9	3.4
COD (Cr)	mg/l	11	10.8	14.79091	24.7
COD (Mn)	mg/l	11	2.2	3.8	7.1
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05
Calcium (Ca++)	mg/l	11	43.4	56.06364	69.9
Chloride (Cl-)	mg/l	11	20	39.72727	66
Chromium (Cr), total	µg/l	11	< 0.25	1.38636	2
Conductivity	µS/cm	11	304	473	655
Copper (Cu), dissolved	µg/l	11	1.9	7.02727	33.4
Dissolved oxygen	mg/l	11	7.4	10.09091	13.2
Flow	m3/s	365	157	758.33973	2420
Lead (Pb), dissolved	µg/l	11	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	11	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg++)	mg/l	11	9.62	13.02182	20.7
Mercury (Hg), dissolved	µg/l	11	< 0.05	0.08636	0.3
Nickel (Ni), dissolved	µg/l	11	< 0.25	3.1	17
Nitrate (NO3-N)	mg/l	24	0.37	0.95125	1.74
Nitrite (NO2-N)	mg/l	24	< 0.003	0.01013	0.03
Organic nitrogen	mg/l	24	0.2	0.68458	1.16
Orthophosphate (PO4-P)	mg/l	24	< 0.01	0.03083	0.07
Petroleum hydrocarbons	mg/l	11	< 0.0075	0.03886	0.12
Phenol index	mg/l	11	< 0.001	0.00245	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	3	15.78333	43
Potassium (K+)	mg/l	11	2.6	3.97273	6.3
Silicates (SiO2)	mg/l	24	4.2	7.62917	12.3
Sodium (Na+)	mg/l	11	13	32.54545	56
Sulphate (SO4--)	mg/l	11	32	54.36364	89
Suspended solids	mg/l	24	< 2	29.66667	165
TOC	mg/l	24	2.7	4.525	8.3
Temperature	°C	20	1.5	14	26
Total nitrogen	mg/l	24	0.9	1.70833	2.8
Total phosphorus	mg/l	24	0.06	0.11208	0.2

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Zinc (Zn), dissolved	µg/l	11	0.7	5.70909	11.1
p,p'-DDT	µg/l	11	< 0.00125	< 0.00226	< 0.0031

1.90	2.80
13.20	20.10
3.80	4.20
0.05	0.05
54.30	63.50
39.00	55.00
1.00	2.00
442.00	610.00
4.80	6.80
10.10	7.40
599.00	1630.00
0.50	0.50
0.0025	0.0025
12.50	17.50
0.05	0.20
2.10	3.00
0.90	1.63
0.01	0.02
0.65	1.15
0.03	0.06
0.03	0.05
0.001	0.004
9.80	32.00
3.40	5.00
6.80	10.50
28.00	49.00
55.00	76.00
14.00	84.00
4.30	6.40
12.40	23.70
1.50	2.50
0.10	0.17

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m **HU9**

C50	C90
5.60	8.10
0.0031	0.0031

pH - 11 7.88 8.03364 8.27

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.2	3.21818	4.3
Aluminium (Al), dissolved	µg/l	11	6.6	15.78182	33.8
Ammonium (NH4-N)	mg/l	24	< 0.015	0.06583	0.23
Anionic active surfactants	mg/l	11	< 0.01	< 0.01	< 0.01
Arsenic (As), dissolved	µg/l	11	< 1	1.47364	2.41
Atrazine	µg/l	11	< 0.0025	0.00723	0.018
BOD (5)	mg/l	11	1	1.62727	2.8
COD (Cr)	mg/l	11	11.9	15.77273	28.5
COD (Mn)	mg/l	11	2.1	3.83636	7.1
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05
Calcium (Ca++)	mg/l	11	44.5	56.07273	67.1

8.07 7.89

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m HU9

C50	C90
3.10	4.10
13.30	24.20
0.04	0.16
0.01	0.01
1.00	2.41
0.006	0.01
1.50	2.20
15.00	17.70
3.70	4.50
0.05	0.05
55.00	65.10

Chloride (Cl-)	mg/l	11	20	39.27273	64
Chromium (Cr), total	µg/l	11	< 0.25	1.29545	2
Conductivity	µS/cm	11	308	472	660
Copper (Cu), dissolved	µg/l	11	2.5	4.6	7.5
Dissolved oxygen	mg/l	11	7.2	11.28182	22.3
Lead (Pb), dissolved	µg/l	11	< 0.5	0.63636	2
Lindane (gama-HCH)	µg/l	11	< 0.0025	< 0.0025	< 0.0025
Macrozoobenthos - number of families	-	2	13	14.5	16
Macrozoobenthos no. of taxa	-	2	17	19	21
Macrozoobenthos sapr. index	-	2	2.11	2.135	2.16
Magnesium (Mg++)	mg/l	11	9.75	13.48636	20.3
Mercury (Hg), dissolved	µg/l	11	< 0.05	0.08182	0.4
Nickel (Ni), dissolved	µg/l	11	< 0.25	1.86364	4.2
Nitrate (NO ₃ -N)	mg/l	24	< 0.09	0.94667	1.88
Nitrite (NO ₂ -N)	mg/l	24	< 0.003	0.01125	0.03
Organic nitrogen	mg/l	24	0.2	0.68375	1.41
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.01	0.03208	0.08
Petroleum hydrocarbons	mg/l	11	< 0.0075	0.03614	0.06
Phenol index	mg/l	11	< 0.001	0.00236	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.1	19.08333	52
Potassium (K+)	mg/l	11	2.6	4.08182	6.3
Silicates (SiO ₂)	mg/l	24	4.2	7.63333	11.9
Sodium (Na+)	mg/l	11	13	32.90909	54
Sulphate (SO ₄ --)	mg/l	11	31	54.72727	88
Suspended solids	mg/l	24	< 2	31.20833	158
TOC	mg/l	24	2.7	4.35833	7.6
Temperature	°C	20	1	13.005	26.1

River: Tisza **Catchment:** 138498.00
Distance from mouth: 163 **Altitude:** 74
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Total nitrogen	mg/l	24	0.8	1.70417	2.7
Total phosphorus	mg/l	24	0.07	0.11458	0.2
Zinc (Zn), dissolved	µg/l	11	2.5	6.08182	14.3
p,p'-DDT	µg/l	11	< 0.00125	< 0.00226	< 0.0031
pH	-	11	7.7	8.02	8.23

38.00 55.00
1.00 2.00
442.00 595.00
4.10 6.30
10.60 7.30
0.50 0.50
0.0025 0.0025

12.60 18.50
0.05 0.05
2.10 3.00
0.74 1.59
0.01 0.02
0.65 1.14
0.03 0.06
0.03 0.06
0.001 0.004
13.00 51.20
3.90 5.00
7.10 10.70
31.00 47.00
56.00 77.00
21.00 83.00
4.00 6.00
10.80 23.80

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m HU9

C50	C90
1.60	2.50
0.11	0.18
4.20	13.30
0.0031	0.0031
8.06	7.87

River: Prut **Catchment:** 8750.00
Distance from mouth: 658 **Altitude:** 100
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.52	3.17167	4.62
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.16417	0.53
Anionic active surfactants	mg/l	12	< 0.005	0.01125	0.04
BOD (5)	mg/l	12	1.36	2.30833	2.97
COD (Cr)	mg/l	11	9.88	13.67091	18.6
Cadmium (Cd)	µg/l	12	< 0.25	0.9625	8.55
Cadmium (Cd), dissolved	µg/l	12	< 0.25	0.41333	1.96
Calcium (Ca ⁺⁺)	mg/l	12	48.1	74.13333	94.2
Chloride (Cl ⁻)	mg/l	12	17.7	29.49167	40.2
Conductivity	µS/cm	6	292	545.16667	735
Copper (Cu)	µg/l	12	< 1.5	6.125	20
Copper (Cu), dissolved	µg/l	12	< 1.5	2.45833	4

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m MD1

C50	C90
3.01	4.37
0.17	0.23
0.005	0.03
2.32	2.97
13.70	16.50
0.25	0.50
0.25	0.50
72.10	92.20
25.60	39.00
735.00	735.00
4.00	13.00
1.50	4.00

Dissolved oxygen	mg/l	12	6.1	8.74417	12.7
Lead (Pb)	µg/l	12	< 1.5	1.79167	5
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Lindane (gama-HCH)	µg/l	11	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos no. of taxa	-	4	9560	21840	56240
Magnesium (Mg++)	mg/l	12	4.9	10.69167	15.8
Mercury (Hg), dissolved	µg/l	4	0.43	1.0625	1.54
Nickel (Ni)	µg/l	12	< 1.5	2.70833	11
Nickel (Ni), dissolved	µg/l	12	< 1.5	1.75	3
Nitrate (NO3-N)	mg/l	12	0.15	0.67917	1.43
Nitrite (NO2-N)	mg/l	12	0.007	0.024	0.09
Orthophosphate (PO4-P)	mg/l	12	0.01	0.0265	0.084
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.0525	0.15
Phenol index	mg/l	12	< 0.0005	0.00133	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.97	2.63	3.95
Silicates(SiO2), dissolved	mg/l	12	0.86	5.405	15.84
Sulphate (SO4--)	mg/l	12	44.2	86.05833	142
Suspended solids	mg/l	12	< 0.5	43.58333	190
Temperature	°C	12	1.1	12.76667	25.1
Total phosphorus, dissolved	mg/l	12	0.016	0.08	0.44
Zinc (Zn)	µg/l	12	< 1.5	12.45833	40
Zinc (Zn), dissolved	µg/l	12	< 1.5	6.04167	31
p,p'-DDT	µg/l	11	< 0.001	< 0.001	< 0.001
pH	-	12	7.76	8.30167	8.56

River: Prut **Catchment:** 27480.00
Distance from mouth: 0 **Altitude:** 5
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.74	3.81583	4.62
Ammonium (NH4-N)	mg/l	12	< 0.01	0.09417	0.59
Anionic active surfactants	mg/l	12	< 0.005	0.00625	0.02
BOD (5)	mg/l	12	1.51	2.15417	2.81
COD (Cr)	mg/l	12	10.8	18.61667	24.7
Cadmium (Cd)	µg/l	12	< 0.25	2.93333	8.7
Cadmium (Cd), dissolved	µg/l	12	< 0.25	0.75667	2.11
Calcium (Ca++)	mg/l	12	50.1	67.225	92.2

7.81	6.69
1.50	1.50
1.50	1.50
0.00	0.00
56240.00	56240.00
9.70	14.60
1.54	1.54
1.50	4.00
1.50	3.00
0.58	1.20
0.015	0.034
0.015	0.046
0.04	0.13
0.001	0.003
4.92	6.21
82.80	120.00
20.00	120.00
12.30	23.80
0.036	0.156
7.00	40.00
1.50	9.00
0.001	0.001
8.37	7.83

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m **MD3**

C50	C90
4.00	4.60
0.01	0.20
0.005	0.005
2.11	2.65
18.60	23.00
1.56	7.22
0.52	1.63
64.10	76.20

Chloride (Cl-)	mg/l	12	24.8	30.825	36.5
Chromium (Cr) - total	µg/l	1	< 1.5	< 1.5	< 1.5
Conductivity	µS/cm	12	320	674.33333	901
Copper (Cu)	µg/l	12	< 1.5	10.5	22
Copper (Cu), dissolved	µg/l	11	< 1.5	1.72727	4
Dissolved oxygen	mg/l	12	4.8	8.93833	15.1
Lead (Pb)	µg/l	12	< 1.5	2	5
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Lindane (gama-HCH)	µg/l	11	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos no. of taxa	-	4	404	2321	4960
Magnesium (Mg++)	mg/l	12	13.4	22.1	31.6
Mercury (Hg), dissolved	µg/l	4	< 0.15	0.2025	0.36
Nickel (Ni)	µg/l	12	< 1.5	3.04167	7
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Nitrate (NO3-N)	mg/l	12	0.13	0.83083	1.5
Nitrite (NO2-N)	mg/l	12	< 0.0025	0.01371	0.024
Orthophosphate (PO4-P)	mg/l	12	0.025	0.044	0.073
Petroleum hydrocarbons	mg/l	12	0.03	0.0625	0.13
Phenol index	mg/l	12	< 0.0005	0.001	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.18	2.76333	3.95
Silicates(SiO2), dissolved	mg/l	12	3	5.475	9.84
Sulphate (SO4--)	mg/l	12	82.8	130.8	184
Suspended solids	mg/l	12	2	58.45833	170
Temperature	°C	12	0.2	12.49167	26.9
Total phosphorus, dissolved	mg/l	12	0.036	0.07767	0.174
Zinc (Zn)	µg/l	12	< 1.5	24.75	57
Zinc (Zn), dissolved	µg/l	12	< 1.5	8.875	34
p,p'-DDT	µg/l	11	< 0.001	< 0.001	< 0.001
pH	-	12	7.75	8.32083	8.7

River: Prut **Catchment:** 62890.00
Distance from mouth: 254 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	1.37	2.8	3.83
Ammonium (NH4-N)	mg/l	12	< 0.01	0.07333	0.17
Anionic active surfactants	mg/l	12	< 0.005	0.00875	0.02
BOD (5)	mg/l	12	1.04	1.85167	2.33

31.90	35.50
679.00	896.00
12.00	17.00
1.50	1.50
7.20	6.15
1.50	4.00
1.50	1.50
0.00	0.00
4960.00	4960.00
20.70	31.60
0.36	0.36
1.50	6.00
1.50	1.50
0.75	1.48
0.014	0.024
0.039	0.069
0.05	0.11
0.0005	0.002

5.35	6.42
121.00	184.00
50.00	120.00
8.20	25.50
0.062	0.126
23.00	41.00
1.50	23.00
0.001	0.001
8.27	7.95

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km2 2011
m MD5

C50	C90
2.72	3.82
0.07	0.13
0.005	0.02
1.96	2.32

COD (Cr)	mg/l	12	6	10.7375	17.6
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Calcium (Ca ⁺⁺)	mg/l	11	24	58.57273	80.1
Chloride (Cl ⁻)	mg/l	11	1.77	21.88818	28.4
Chromium (Cr) - total	µg/l	7	< 1.5	< 1.5	< 1.5
Conductivity	µS/cm	12	104	447.25	566
Copper (Cu)	µg/l	12	< 1.5	1.79167	5
Copper (Cu), dissolved	µg/l	5	< 1.5	2.2	5
Dissolved oxygen	mg/l	12	8.1	9.46167	14.1
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Lindane (gama-HCH)	µg/l	11	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos no. of taxa	-	4	5840	10340	12720
Magnesium (Mg ⁺⁺)	mg/l	11	2.43	10.99909	17
Mercury (Hg), dissolved	µg/l	4	< 0.15	0.52	0.75
Nickel (Ni)	µg/l	12	< 1.5	< 1.5	< 1.5
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Nitrate (NO ₃ -N)	mg/l	12	< 0.05	0.5	1.05
Nitrite (NO ₂ -N)	mg/l	12	< 0.0025	0.01829	0.08
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.01588	0.06
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.04833	0.14
Phenol index	mg/l	12	< 0.0005	0.00113	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	4	0.4	1.9775	3.95
Silicates(SiO ₂), dissolved	mg/l	12	< 0.25	4.83583	6.42
Sulphate (SO ₄ --)	mg/l	11	< 5	71.29091	88.3
Suspended solids	mg/l	12	< 0.5	9.08333	30
Temperature	°C	12	0.3	13.475	26.1
Total phosphorus, dissolved	mg/l	12	0.008	0.02842	0.068
Zinc (Zn)	µg/l	12	< 1.5	7.33333	45
Zinc (Zn), dissolved	µg/l	12	< 1.5	7.20833	45
p,p'-DDT	µg/l	11	< 0.001	0.00227	0.015
pH	-	12	7.93	8.41167	8.73

River: Prut **Catchment:** 62890.00
Distance from mouth: 254 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
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9.88	13.50
0.25	0.25
0.25	0.25
60.10	78.20
23.70	25.60
1.50	1.50
490.00	564.00
1.50	1.50
5.00	5.00
8.96	8.44
1.50	1.50
1.50	1.50
0.00	0.00
12720.00	12720.00
10.90	14.00
0.75	0.75
1.50	1.50
1.50	1.50
0.40	1.00
0.012	0.024
0.011	0.024
0.04	0.07
0.0005	0.003
3.95	3.95
5.14	5.99
80.00	88.30
0.50	20.00
13.00	24.30
0.024	0.048
1.50	18.00
1.50	18.00
0.001	0.001
8.45	7.98

km2 2011
m MD6

C50	C90
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Alkalinity - total	mmol/l	10	1.93	2.913	4
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.05167	0.33
Anionic active surfactants	mg/l	12	< 0.005	0.00958	0.03
BOD (5)	mg/l	12	0.53	1.6575	2.44
COD (Cr)	mg/l	12	8	13.625	18
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Calcium (Ca ⁺⁺)	mg/l	12	44.1	63.575	80.2
Chloride (Cl ⁻)	mg/l	12	20.1	24.775	29.2
Conductivity	µS/cm	12	254	508.58333	692
Copper (Cu)	µg/l	12	< 1.5	3.25	16
Copper (Cu), dissolved	µg/l	12	< 1.5	1.91667	4
Dissolved oxygen	mg/l	12	7.23	9.13583	13
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Lindane (gama-HCH)	µg/l	11	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos no. of taxa	-	3	23600	26746.666	30800
Magnesium (Mg ⁺⁺)	mg/l	12	4.9	13.46667	24.2
Mercury (Hg), dissolved	µg/l	4	< 0.15	0.4075	0.65
Nickel (Ni)	µg/l	12	< 1.5	< 1.5	< 1.5
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Nitrate (NO ₃ -N)	mg/l	12	0.28	0.7175	1.6
Nitrite (NO ₂ -N)	mg/l	12	< 0.0025	0.01046	0.026
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.01325	0.031
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.06917	0.16
Phenol index	mg/l	12	< 0.0005	0.00079	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	0.4	1.45	2.37
Silicates(SiO ₂), dissolved	mg/l	12	4.28	5.34917	6.21
Sulphate (SO ₄ --)	mg/l	12	62.6	84.08333	127
Suspended solids	mg/l	12	< 0.5	12.41667	70
Temperature	°C	12	1.8	12.55	23
Total phosphorus, dissolved	mg/l	12	0.01	0.03125	0.06
Zinc (Zn)	µg/l	12	< 1.5	5.66667	23
Zinc (Zn), dissolved	µg/l	12	< 1.5	5.54167	23
p,p'-DDT	µg/l	11	< 0.001	< 0.001	< 0.001
pH	-	12	7.76	8.3025	8.6

4.00	4.00
0.01	0.07
0.005	0.02
1.67	2.34
13.10	17.50
0.25	0.25
0.25	0.25
60.10	80.20
23.70	28.40
509.00	608.00
1.50	4.00
1.50	4.00
8.85	7.34
1.50	1.50
1.50	1.50
0.00	0.00
12.20	21.90
0.65	0.65
1.50	1.50
1.50	1.50
0.63	1.20
0.01	0.015
0.008	0.025
0.05	0.14
0.0005	0.002
5.35	5.99
81.00	101.00
0.50	35.50
10.00	22.40
0.026	0.05
1.50	17.00
1.50	17.00
0.001	0.001
8.30	7.97

River: Prut **Catchment:** 30953.00
Distance from mouth: 525 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.77	3.6225	4.69
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.12417	0.33
Anionic active surfactants	mg/l	12	< 0.005	0.01458	0.05
BOD (5)	mg/l	12	1.99	2.55917	2.97
COD (Cr)	mg/l	11	10.4	14.43636	23.7
Cadmium (Cd)	µg/l	12	< 0.25	1.79417	12.7
Cadmium (Cd), dissolved	µg/l	12	< 0.25	0.525	2.84
Calcium (Ca ⁺⁺)	mg/l	12	40.1	56.725	76.2
Chloride (Cl ⁻)	mg/l	12	24.8	28.11667	36.5
Conductivity	µS/cm	12	300	620.33333	781
Copper (Cu)	µg/l	12	< 1.5	6.31667	19
Copper (Cu), dissolved	µg/l	12	< 1.5	1.75	3
Dissolved oxygen	mg/l	12	6.62	9.10583	12.86
Lead (Pb)	µg/l	11	< 1.5	< 1.5	< 1.5
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Lindane (gama-HCH)	µg/l	11	< 0.00000	< 0.00000	< 0.00000
Macrozoobenthos no. of taxa	-	3	1600	2966.6666	3740
Magnesium (Mg ⁺⁺)	mg/l	12	13.4	21.26667	30.4
Mercury (Hg), dissolved	µg/l	4	< 0.15	0.225	0.3
Nickel (Ni)	µg/l	12	< 1.5	2.95833	7
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5
Nitrate (NO ₃ -N)	mg/l	12	0.53	1.1275	1.78
Nitrite (NO ₂ -N)	mg/l	12	0.005	0.015	0.034
Orthophosphate (PO ₄ -P)	mg/l	12	0.017	0.04008	0.069
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.055	0.1
Phenol index	mg/l	12	< 0.0005	0.00104	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.18	2.89333	4.34
Silicates(SiO ₂), dissolved	mg/l	12	2.78	4.95583	6.63
Sulphate (SO ₄ --)	mg/l	12	76.5	114.11667	147
Suspended solids	mg/l	12	< 0.5	73.45833	167
Temperature	°C	12	0.2	11.86667	22.4
Total phosphorus, dissolved	mg/l	12	0.028	0.05758	0.098
Zinc (Zn)	µg/l	12	< 1.5	22.54167	69
Zinc (Zn), dissolved	µg/l	12	< 1.5	8.33333	31
p,p'-DDT	µg/l	11	< 0.001	0.00436	0.038
pH	-	12	7.84	8.345	8.62

km2 2011

m MD7

C50	C90
3.19	4.41
0.09	0.26
0.005	0.03
2.63	2.96
13.70	18.10
0.25	2.54
0.25	0.96
54.10	69.50
26.60	31.90
653.00	752.00
4.00	10.00
1.50	3.00
8.10	7.08
1.50	1.50
1.50	1.50
0.00	0.00
21.90	24.30
0.30	0.30
1.50	5.00
1.50	1.50
1.18	1.70
0.014	0.024
0.041	0.057
0.05	0.10
0.0005	0.002
4.92	5.99
120.00	147.00
74.00	120.00
8.70	21.80
0.056	0.072
10.00	56.00
1.50	29.00
0.001	0.001
8.41	7.85

River: Lim **Catchment:** 2875.00
Distance from mouth: 112 **Altitude:** 609
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	4	141	153.25	161
Ammonium (NH ₄ -N)	mg/l	4	0.1	0.1475	0.21
Anionic active surfactants	mg/l	4	< 0.005	0.01125	0.024
BOD (5)	mg/l	4	2.1	3.2	5
Calcium (Ca ⁺⁺)	mg/l	4	43.5	47.125	49.3
Chloride (Cl ⁻)	mg/l	4	2.6	6.275	10.5
Conductivity	µS/cm	4	251	254	259
Dissolved oxygen	mg/l	4	8.4	9.525	10.4
Iron (Fe)	mg/l	4	< 0.015	0.04875	0.07
Magnesium (Mg ⁺⁺)	mg/l	4	3.2	4.9	6.4
Nitrate (NO ₃ -N)	mg/l	4	0.27	0.36	0.4
Nitrite (NO ₂ -N)	mg/l	4	0.008	0.01275	0.017
Orthophosphate (PO ₄ -P)	mg/l	4	< 0.005	0.01325	0.023
Potassium (K ⁺)	mg/l	4	< 0.05	0.6375	1
Sodium (Na ⁺)	mg/l	4	3	3.95	4.6
Sulphate (SO ₄ ⁻⁻)	mg/l	4	10.7	12.175	14
Suspended solids	mg/l	4	< 0.15	< 0.15	< 0.15
Temperature	°C	4	12.9	15.5	18.1
pH	-	4	8	8.225	8.4

km2 2011
m ME1

C50	C90
161.00	161.00
0.21	0.21
0.024	0.024
5.00	5.00
49.30	49.30
10.50	10.50
259.00	259.00
8.40	8.40
0.07	0.07
6.40	6.40
0.40	0.40
0.017	0.017
0.023	0.023
1.00	1.00
4.60	4.60
14.00	14.00
0.15	0.15
18.10	18.10
8.00	8.00

River: Cehotina **Catchment:** 810.00
Distance from mouth: 56 **Altitude:** 55
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	4	197	208.25	216
Ammonium (NH ₄ -N)	mg/l	4	< 0.03	0.14	0.37
Anionic active surfactants	mg/l	4	< 0.005	0.01425	0.03
BOD (5)	mg/l	4	1.7	2.525	3.2
Calcium (Ca ⁺⁺)	mg/l	4	62.9	65.225	66.2
Chloride (Cl ⁻)	mg/l	4	3.9	5.35	8.1
Conductivity	µS/cm	4	333	349	362
Dissolved oxygen	mg/l	4	10.2	11.375	12.1
Iron (Fe)	mg/l	4	0.06	0.0825	0.13
Magnesium (Mg ⁺⁺)	mg/l	4	6.9	8.175	9
Nitrate (NO ₃ -N)	mg/l	4	0.47	0.8	1.24
Nitrite (NO ₂ -N)	mg/l	4	0.016	0.03325	0.068
Orthophosphate (PO ₄ -P)	mg/l	4	0.04	0.06225	0.083
Potassium (K ⁺)	mg/l	4	1.6	2.725	4

km2 2011
m ME2

C50	C90
216.00	216.00
0.37	0.37
0.03	0.03
3.20	3.20
66.20	66.20
8.10	8.10
362.00	362.00
10.20	10.20
0.13	0.13
9.00	9.00
1.24	1.24
0.068	0.068
0.083	0.083
4.00	4.00

Sodium (Na+)	mg/l	4	2.5	4	5.8
Sulphate (SO4--)	mg/l	4	15.9	18.35	21.1
Suspended solids	mg/l	4	< 0.15	< 0.15	< 0.15
Temperature	°C	4	8.4	14.3	17.2
pH	-	4	8.1	8.25	8.5

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	18	25.75	48
Alkalinity - total	mmol/l	12	2.67	3.245	3.8
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.09321	0.151
Anionic active surfactants	mg/l	12	0.1	0.20225	0.31
Arsenic (As)	µg/l	12	< 0.5	< 0.5	< 0.5
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	1.05	2.37
COD (Cr)	mg/l	12	9.56	11.51583	15.09

5.80	5.80
21.10	21.10
0.15	0.15
17.20	17.20
8.10	8.10

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km2 **2011**
m **RO1**

C50	C90
24.00	30.00
3.19	3.68
0.097	0.124
0.14	0.29
0.50	0.50
0.50	0.50
0.0175	0.0175
0.25	2.08
11.08	13.31

COD (Mn)	mg/l	12	1.88	3.05333	4.11
Cadmium (Cd)	µg/l	12	< 0.075	0.11343	0.3341
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	32.38	52.86417	61.53
Chloride (Cl-)	mg/l	12	19.65	22.94583	26.29
Chromium (Cr) - total	µg/l	12	< 0.5	0.86992	3.4
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	365	469.33333	565
Copper (Cu)	µg/l	12	1.472	3.90591	5.488
Copper (Cu), dissolved	µg/l	12	< 0.5	2.41892	3.8338
Dissolved oxygen	mg/l	12	7.5	9.6375	12.4
Flow	m3/s	365	1780	4208.7123	9880
Iron (Fe)	mg/l	12	0.081	0.19667	0.471
Lead (Pb)	µg/l	12	< 0.15	1.20283	4.974
Lead (Pb), dissolved	µg/l	12	< 0.15	0.2345	0.909
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	13.58	21.66333	26.19
Manganese (Mn)	mg/l	12	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	12	< 0.0075	0.01258	0.044
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00821	0.016
Nickel (Ni)	µg/l	12	< 0.5	0.72933	1.675
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	12	0.702	1.08987	1.627
Nitrite (NO2-N)	mg/l	12	0.0033	0.01367	0.024
Organic nitrogen	mg/l	1	1.34	1.34	1.34
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03096	0.048
Phenol index	mg/l	12	0.018	0.02775	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	5.2	10.64833	17.04
Potassium (K+)	mg/l	12	2	2.83333	3

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Silicates(SiO2), dissolved	mg/l	9	2.7	5.02222	7.7
Sodium (Na+)	mg/l	12	14	22.58333	31
Sulphate (SO4--)	mg/l	12	29.02	40.4225	55.2
Suspended solids	mg/l	12	21	32	39
TOC	mg/l	10	1.817	2.3405	2.897

3.40	3.77
0.075	0.20
0.075	0.075
54.23	61.53
21.72	25.36
0.50	2.039
0.50	0.50
461.00	559.00
3.73	5.2606
2.78	3.5874
9.04	7.74
4000.00	7110.00
0.16	0.333
0.15	3.21
0.15	0.405
0.0042	0.0042
23.28	26.19
0.015	0.015
0.0075	0.032
0.0075	0.0075
0.50	1.29
0.50	0.50
1.0174	1.401
0.0138	0.02
0.033	0.044
0.024	0.037
17.04	17.04
3.00	3.00

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km2 **2011**
m **RO1**

C50	C90
7.70	7.70
23.00	27.00
40.12	51.59
34.00	37.00
2.897	2.897

Temperature	°C	12	2	13.99167	26
Total nitrogen	mg/l	9	1.12	1.43111	1.62
Total phosphorus	mg/l	12	0.065	0.12208	0.202
Zinc (Zn)	µg/l	12	19	41.121	72.4
Zinc (Zn), dissolved	µg/l	12	9	22.03167	37
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.6	7.84833	8.17

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	15	22.91667	54
Alkalinity - total	mmol/l	12	2.63	3.26833	4.02
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.07121	0.149
Anionic active surfactants	mg/l	12	< 0.05	0.16933	0.27
Arsenic (As)	µg/l	12	< 0.5	< 0.5	< 0.5

13.50	26.00
1.62	1.62
0.107	0.172
35.10	66.70
22.41	29.80
0.0025	0.0025
7.81	7.70

km2 **2011**
m **RO1**

C50	C90
20.00	28.00
3.15	3.76
0.064	0.112
0.12	0.25
0.50	0.50

Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	0.84083	2.26
COD (Cr)	mg/l	12	8.05	10.0275	12.79
COD (Mn)	mg/l	12	1.69	2.8575	4.18
Cadmium (Cd)	µg/l	12	< 0.075	0.13542	0.456
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	34	50.35917	59.97
Chloride (Cl-)	mg/l	12	19.3	23.12167	30.57
Chromium (Cr) - total	µg/l	12	< 0.5	0.68758	2.751
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	285	454.08333	580
Copper (Cu)	µg/l	12	1.502	3.49542	5.547
Copper (Cu), dissolved	µg/l	12	< 0.5	2.14459	3.7487
Dissolved oxygen	mg/l	12	7.58	9.55583	12.3
Flow	m3/s	365	1780	4208.7123	9880
Iron (Fe)	mg/l	12	0.075	0.16967	0.404
Lead (Pb)	µg/l	12	< 0.15	0.74708	2.346
Lead (Pb), dissolved	µg/l	12	< 0.15	0.252	0.801
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	14.45	20.52333	26.19
Manganese (Mn)	mg/l	12	< 0.015	0.01968	0.0357
Mercury (Hg)	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni)	µg/l	12	< 0.5	0.762	1.75
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	12	0.87	1.1466	1.785
Nitrite (NO2-N)	mg/l	12	0.0036	0.01459	0.038
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.02521	0.046
Phenol index	mg/l	12	0.018	0.02775	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	4.85	11.22333	16.93
Potassium (K+)	mg/l	12	2	3	4
Silicates(SiO2), dissolved	mg/l	9	2.4	4.72222	7.1

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sodium (Na+)	mg/l	12	13	21.91667	30

0.50	0.50
0.0175	0.0175
0.25	2.18
9.84	11.26
3.15	3.52
0.075	0.324
0.075	0.075
51.04	56.68
21.88	25.53
0.50	0.50
0.50	0.50
437.00	560.00
3.259	5.088
2.132	3.415
9.10	7.62
4000.00	7110.00
0.139	0.295
0.15	2.121
0.15	0.723
0.0042	0.0042
19.40	26.19
0.015	0.0336
0.0075	0.0075
0.0075	0.0075
0.50	1.575
0.50	0.50
1.039	1.559
0.013	0.019
0.025	0.04
0.024	0.037
16.93	16.93
3.00	3.00
7.10	7.10

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km2 **2011**
m **RO1**

C50	C90
21.00	27.00

Sulphate (SO4--)	mg/l	12	29.27	39.9975	52.25
Suspended solids	mg/l	12	22	31.33333	40
TOC	mg/l	10	1.705	2.1274	2.602
Temperature	°C	12	2	13.85833	26
Total nitrogen	mg/l	9	1.17	1.42444	1.68
Total phosphorus	mg/l	12	0.052	0.10033	0.168
Zinc (Zn)	µg/l	12	19.7	44.59767	83.1
Zinc (Zn), dissolved	µg/l	12	9.7	23.96083	50.7
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.65	7.8475	8.18

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	12	23.08333	31
Alkalinity - total	mmol/l	12	2.65	3.28917	4.04

39.14	45.36
31.00	39.00
2.602	2.602
13.00	25.50
1.68	1.68
0.083	0.147
37.29	68.30
20.90	43.20
0.0025	0.0025
7.81	7.72

km2 **2011**
m **RO1**

C50	C90
23.00	29.00
3.17	3.83

Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.08488	0.163
Anionic active surfactants	mg/l	12	< 0.05	0.18808	0.32
Arsenic (As)	µg/l	12	< 0.5	< 0.5	< 0.5
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	0.93667	2.42
COD (Cr)	mg/l	12	9.84	11.9525	15.09
COD (Mn)	mg/l	12	1.88	3.14583	4.07
Cadmium (Cd)	µg/l	12	< 0.075	0.16517	0.513
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08442	0.188
Calcium (Ca ⁺⁺)	mg/l	12	32.38	51.65167	63.15
Chloride (Cl ⁻)	mg/l	12	20	23.33083	29.87
Chromium (Cr) - total	µg/l	12	< 0.5	0.68758	2.751
Chromium (Cr), total	µg/l	12	< 0.5	0.628	2.036
Conductivity	µS/cm	12	375	473.25	582
Copper (Cu)	µg/l	12	1.121	3.88315	7.467
Copper (Cu), dissolved	µg/l	12	< 0.5	1.8143	3.2
Dissolved oxygen	mg/l	12	7.33	9.4725	12
Flow	m ³ /s	365	1780	4208.7123	9880
Iron (Fe)	mg/l	12	0.074	0.16483	0.419
Lead (Pb)	µg/l	12	< 0.15	0.88983	3.105
Lead (Pb), dissolved	µg/l	12	< 0.15	0.24808	0.792
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	14.55	21.66333	27.16
Manganese (Mn)	mg/l	12	< 0.015	0.02192	0.0336
Mercury (Hg)	µg/l	12	< 0.0075	0.01688	0.12
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00829	0.017
Nickel (Ni)	µg/l	12	< 0.5	0.95501	2.63
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO ₃ -N)	mg/l	12	0.84	1.18766	1.74
Nitrite (NO ₂ -N)	mg/l	12	0.0036	0.01403	0.031
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.03163	0.065
Phenol index	mg/l	12	0.018	0.02775	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	5.44	10.75	17.64
Potassium (K ⁺)	mg/l	12	2	2.91667	4
Silicates(SiO ₂), dissolved	mg/l	9	2.7	4.85556	8.3

River: Danube **Catchment:** 570896.00
Distance from mouth: 1071 **Altitude:** 70

0.078	0.119
0.127	0.28
0.50	0.50
0.50	0.50
0.0175	0.0175
0.25	2.11
11.80	13.77
3.20	4.05
0.075	0.453
0.075	0.075
52.64	59.91
22.23	25.91
0.50	0.50
0.50	0.50
439.00	576.00
2.817	6.90
1.80	2.65
8.85	7.53
4000.00	7110.00
0.15	0.194
0.15	2.346
0.15	0.685
0.0042	0.0042
22.31	26.19
0.015	0.0318
0.0075	0.0075
0.0075	0.0075
0.50	1.87
0.50	0.50
1.184	1.423
0.014	0.018
0.033	0.047
0.024	0.037
17.64	17.64
3.00	3.00
8.30	8.30

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km2 **2011**
m **RO1**

Location:

Right

Determinand name	Unit	N	Min	Mean	Max
Sodium (Na+)	mg/l	12	13	22	29
Sulphate (SO4--)	mg/l	12	25.17	39.82	49.09
Suspended solids	mg/l	12	24	32.25	39
TOC	mg/l	10	1.886	2.4261	3.03
Temperature	°C	12	2	14.04167	26
Total nitrogen	mg/l	9	1.17	1.51778	1.74
Total phosphorus	mg/l	12	0.067	0.11375	0.193
Zinc (Zn)	µg/l	12	18.9	42.48608	71.2
Zinc (Zn), dissolved	µg/l	12	9.075	21.17975	34.6
p,p'-DDT	µg/l	11	< 0.0025	0.33841	1.85
pH	-	12	7.6	7.835	8.16

River:

Siret

Catchment:

42890.00

Distance from mouth:

0

Altitude:

4

Location:

Middle

C50	C90
21.00	28.00
40.72	48.15
32.00	39.00
3.03	3.03
13.50	26.00
1.74	1.74
0.101	0.161
37.293	65.50
21.50	32.80
0.0025	1.85
7.81	7.73

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.79	3.3175	4.37
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.20122	0.486
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	11	< 0.5	1.58182	1.9
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	23	0.78	2.76913	10.97
COD (Cr)	mg/l	13	24.1	44.68538	94.08
COD (Mn)	mg/l	13	3.05	8.41462	29
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08125	0.15
Calcium (Ca++)	mg/l	12	50.1	58.74167	67.8
Chloride (Cl-)	mg/l	10	50.72	58.752	63.2
Chromium (Cr), total	µg/l	12	1.4	2.9	3.9
Conductivity	µS/cm	14	539	666.5	816
Copper (Cu), dissolved	µg/l	12	2.7	3.74167	5.8
Dissolved oxygen	mg/l	24	< 0.25	8.52542	11.69
Flow	m3/s	365	30.11	190.69767	706.48
Lead (Pb), dissolved	µg/l	12	0.99	2.3825	3.9
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	11.43	26.71667	38.91
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.04229	0.05
Nickel (Ni), dissolved	µg/l	12	1.1	1.56667	2
Nitrate (NO3-N)	mg/l	26	0.84976	1.69908	2.396
Nitrite (NO2-N)	mg/l	26	0.006	0.03205	0.133
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.03702	0.168
Phenol index	mg/l	8	< 0.0025	< 0.0025	< 0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	9.56	10.34	11.12
Potassium (K+)	mg/l	5	3.5	3.92	4.5
Silicates(SiO2), dissolved	mg/l	26	1.88	4.05192	5.6
Sodium (Na+)	mg/l	5	21.8	26.68	33.9
Sulphate (SO4--)	mg/l	8	26.2	53.20125	91.82
Suspended solids	mg/l	26	4	128.88462	1067
Temperature	°C	26	1	12.88846	28
Total nitrogen	mg/l	26	1.07	2.25554	3.22
Total phosphorus	mg/l	26	< 0.0035	0.07235	0.53
Zinc (Zn), dissolved	µg/l	12	2.5	5.11667	19
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	14	6.91	7.90571	8.39

C50	C90
3.13	3.81
0.154	0.441
0.05	0.05
1.70	1.90
0.0175	0.0175
1.95	4.50
32.76	83.64
5.39	15.11
0.075	0.075
57.80	64.04
63.20	63.20
3.30	3.80
667.00	791.00
3.60	4.20
8.85	6.16
173.66	313.16
2.20	2.90
0.0042	0.0042
27.96	35.99
0.045	0.048
1.60	1.80
1.799	2.197
0.031	0.041
0.023	0.067
0.0025	0.0025
4.50	4.50
4.20	5.30
33.90	33.90
91.82	91.82
46.00	430.00
11.00	27.00
2.33	2.95
0.057	0.133
3.80	5.60
0.0025	0.0025
8.08	7.50

River: Prut **Catchment:** 27480.00
Distance from mouth: 0 **Altitude:** 5
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.22	4.0525	5.52
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.14041	0.416
Anionic active surfactants	mg/l	9	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	11	1.1	1.32727	1.7
Atrazine	µg/l	6	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	24	1.06	2.68208	9.84
COD (Cr)	mg/l	13	24.48	32.23769	49.2
COD (Mn)	mg/l	13	3.26	5.76154	9.8
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08208	0.16
Calcium (Ca++)	mg/l	12	50.09	59.33167	75.35
Chloride (Cl-)	mg/l	10	50.03	60.16	63.9
Chromium (Cr), total	µg/l	12	1.2	2.05833	3.1
Conductivity	µS/cm	14	554	745.07143	1015
Copper (Cu), dissolved	µg/l	12	1.9	2.65833	5.1
Dissolved oxygen	mg/l	24	1.03	8.15083	11.9
Flow	m3/s	365	29.62	80.41652	186.97
Lead (Pb), dissolved	µg/l	12	0.97	2.33083	5.6
Lindane (gama-HCH)	µg/l	6	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	16.6	26.13333	41.1
Mercury (Hg), dissolved	µg/l	12	0.029	0.03725	0.047
Nickel (Ni), dissolved	µg/l	12	1	1.33333	2.2
Nitrate (NO3-N)	mg/l	26	0.36838	1.42375	2.497
Nitrite (NO2-N)	mg/l	26	0.007	0.02555	0.057
Orthophosphate (PO4-P)	mg/l	25	0.0097	0.03879	0.087
Phenol index	mg/l	8	< 0.0025	< 0.0025	< 0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	8.64	10.395	12.15
Potassium (K+)	mg/l	5	3.1	4.8	7.2
Silicates(SiO2), dissolved	mg/l	26	1.45	3.66038	5
Sodium (Na+)	mg/l	5	23	32.66	39
Sulphate (SO4--)	mg/l	8	39.82	74.82625	121.6
Suspended solids	mg/l	25	4	88.12	383
Temperature	°C	26	1	13.08846	28
Total nitrogen	mg/l	26	0.675	1.90188	3.19
Total phosphorus	mg/l	26	0.013	0.05988	0.134
Zinc (Zn), dissolved	µg/l	12	2	4.26667	19
p,p'-DDT	µg/l	6	< 0.0025	< 0.0025	< 0.0025
pH	-	14	7.6	8.055	8.47

km2 2011
m RO11

C50	C90
4.06	4.49
0.106	0.2836
0.05	0.05
1.30	1.70
0.0175	0.0175
2.07	4.20
28.92	44.28
5.38	9.48
0.075	0.075
57.81	71.20
63.90	63.90
1.80	3.00
755.00	1015.00
2.20	3.90
7.95	4.58
58.06	144.26
1.60	4.50
0.0042	0.0042
25.80	32.00
0.035	0.044
1.20	1.50
1.261	2.122
0.022	0.042
0.037	0.075
0.0025	0.0025
7.20	7.20
3.87	4.40
39.00	39.00
121.60	121.60
56.00	183.00
11.00	27.50
1.91	2.82
0.056	0.11
2.80	5.60
0.0025	0.0025
8.13	7.67

River: **Somes** **Catchment:** **15780.00**
Distance from mouth: **3** **Altitude:**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.2	3.08545	5.6
Ammonium (NH4-N)	mg/l	22	< 0.0125	0.18923	0.844
Anionic active surfactants	mg/l	7	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	12	< 0.5	2.00833	4.34
Atrazine	µg/l	3	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	2.1	4.0125	5.5
COD (Cr)	mg/l	12	12.5	24.7475	49
COD (Mn)	mg/l	14	3	5.72	11
Cadmium (Cd)	µg/l	11	< 0.075	0.37909	0.89
Cadmium (Cd), dissolved	µg/l	13	< 0.075	0.13346	0.36
Calcium (Ca++)	mg/l	12	46.6	58.26333	69.62
Chloride (Cl-)	mg/l	13	19.54	76.69769	180
Chromium (Cr) - total	µg/l	12	< 0.5	2.62333	8.5
Chromium (Cr), total	µg/l	13	< 0.5	0.54615	1.1
Conductivity	µS/cm	12	403	632.16667	1007
Copper (Cu)	µg/l	12	1.12	6.65833	23.89
Copper (Cu), dissolved	µg/l	12	< 0.5	2.47167	5.79
Dissolved oxygen	mg/l	14	8.94	11.11571	13.49
Iron (Fe)	mg/l	12	0.262	1.89458	6.115
Lead (Pb)	µg/l	11	0.31	2.47455	7.05
Lead (Pb), dissolved	µg/l	12	< 0.15	0.6675	2.12
Lindane (gama-HCH)	µg/l	3	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	6.44	11.90083	19.63
Manganese (Mn)	mg/l	12	0.17	0.44383	1.097
Mercury (Hg)	µg/l	12	0.015	0.025	0.13
Mercury (Hg), dissolved	µg/l	13	0.015	0.015	0.015
Nickel (Ni)	µg/l	12	1.99	4.82408	13.23
Nickel (Ni), dissolved	µg/l	13	1.7	2.41231	3.76
Nitrate (NO3-N)	mg/l	24	0.251	0.60142	1.048
Nitrite (NO2-N)	mg/l	24	0.01	0.01917	0.067
Orthophosphate (PO4-P)	mg/l	24	< 0.0035	0.03627	0.104
Phenol index	mg/l	10	1.5	1.8	2.5
Phytoplankton (biomass - chlorophyll-a)	µg/l	8	1.8	45.9625	137.4

km2 2011
 m RO12

C50	C90
2.83	3.80
0.163	0.457
0.05	0.05
1.91	3.28
3.83	5.10
15.00	48.17
6.00	8.00
0.37	0.73
0.075	0.29
56.50	66.27
58.26	160.94
0.50	5.85
0.50	0.50
564.00	995.00
3.15	11.84
2.16	4.98
11.30	9.00
0.79	4.742
1.11	5.30
0.41	1.45
12.51	17.25
0.358	0.729
0.015	0.02
0.015	0.015
2.88	9.589
2.18	3.33
0.557	0.855
0.015	0.027
0.023	0.078
2.50	2.50
137.40	137.40

Sulphate (SO4--)	mg/l	12	27.69	50.909	96.3
Suspended solids	mg/l	17	12	75.48	348.29
Temperature	°C	13	4	16.37692	28
Total nitrogen	mg/l	22	2	2.66559	5.86
Total phosphorus	mg/l	23	0.015	0.13504	0.52

River: **Somes** **Catchment:** **15780.00**
Distance from mouth: **3** **Altitude:**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max
Zinc (Zn)	µg/l	12	6.08	183.79083	439.8
Zinc (Zn), dissolved	µg/l	12	1.9	89.81917	284.1
p,p'-DDT	µg/l	3	< 0.0025	< 0.0025	< 0.0025
pH	-	15	7	7.64067	8.19

48.90 66.60
38.00 169.00
20.00 23.00
2.00 4.343
0.118 0.229

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km2 2011
m RO12

C50	C90
139.64	355.27
44.82	200.00
7.71	7.32

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River: Crisul Repede **Catchment:** 2413.00
Distance from mouth: 3 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.7	2.125	2.6
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.07767	0.421
Arsenic (As)	µg/l	12	< 0.5	0.725	2.1
Arsenic (As), dissolved	µg/l	12	< 0.5	0.59167	1.6
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1	2.05	3.3
COD (Cr)	mg/l	12	< 3.75	5.29167	14
COD (Mn)	mg/l	12	1.8	2.84167	3.8
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	12	32.1	40.96667	49.9
Chloride (Cl ⁻)	mg/l	12	6.1	11.48333	15.6
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	204	296.91667	390
Copper (Cu)	µg/l	12	< 0.5	2.94167	12.6
Copper (Cu), dissolved	µg/l	12	< 0.5	1.75833	6.8
Dissolved oxygen	mg/l	12	7.2	10.025	13.4
Lead (Pb)	µg/l	12	0.5	1.225	7.8
Lead (Pb), dissolved	µg/l	12	0.5	0.5	0.5
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	5.3	7.21667	10
Mercury (Hg)	µg/l	11	< 0.0075	0.01136	0.03
Nickel (Ni)	µg/l	12	< 0.5	0.70833	1.8
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO ₃ -N)	mg/l	12	0.45	1.01417	1.31
Nitrite (NO ₂ -N)	mg/l	12	0.003	0.0255	0.054
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.02379	0.051
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	1.7	8.71286	37.49
Suspended solids	mg/l	12	6	16.16667	40
Temperature	°C	12	3	12.95833	26
Total nitrogen	mg/l	12	0.52	1.44833	2.26
Total phosphorus	mg/l	12	0.024	0.0625	0.114
Zinc (Zn)	µg/l	12	5	5.83333	15
Zinc (Zn), dissolved	µg/l	12	5	5	5
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025

km2 2011
m RO13

C50	C90
2.10	2.30
0.04	0.114
0.50	1.10
0.50	0.50
0.0175	0.0175
2.10	2.60
3.75	12.00
2.70	3.80
0.075	0.075
0.075	0.075
41.10	48.40
11.20	15.60
0.50	0.50
0.50	0.50
298.00	350.00
1.50	8.80
1.40	1.70
9.80	7.40
0.50	1.30
0.50	0.50
0.0042	0.0042
6.50	9.80
0.0075	0.02
0.50	1.70
0.50	0.50
1.02	1.29
0.019	0.051
0.018	0.045
37.49	37.49
11.00	32.00
10.00	23.00
1.23	2.09
0.051	0.112
5.00	5.00
5.00	5.00
0.0025	0.0025

pH - 12 7.71 8.01167 8.27

River: Crisul Negru **Catchment:** 3750.00
Distance from mouth: 13 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.3	2.80833	3.3
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.04179	0.134
Arsenic (As)	µg/l	12	< 0.5	0.875	2.2
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1	1.65	4
COD (Cr)	mg/l	12	< 3.75	5.625	20
COD (Mn)	mg/l	12	1.7	2.86667	5.4
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	29.8	45.53333	55.4
Chloride (Cl-)	mg/l	12	5.2	7.70833	9.7
Chromium (Cr) - total	µg/l	12	< 0.5	0.76667	2.2
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	12	275	321.75	364
Copper (Cu)	µg/l	12	1	3.19167	7.1
Copper (Cu), dissolved	µg/l	12	< 0.5	2.30833	6.1
Dissolved oxygen	mg/l	12	8.1	10.30833	12.9
Lead (Pb)	µg/l	12	0.5	0.75	2.7
Lead (Pb), dissolved	µg/l	12	0.5	0.5	0.5
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	4	9.06667	19.1
Mercury (Hg)	µg/l	11	< 0.0075	0.01391	0.03
Nickel (Ni)	µg/l	12	< 0.5	0.84167	2.2
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.73333	2.2
Nitrate (NO3-N)	mg/l	12	0.14	0.41	0.7
Nitrite (NO2-N)	mg/l	12	0.004	0.01125	0.032
Orthophosphate (PO4-P)	mg/l	12	0.01	0.028	0.067
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	1.2	3.28333	7.9
Suspended solids	mg/l	12	4	25.16667	99
Temperature	°C	12	3	13.83333	26
Total nitrogen	mg/l	9	0.54	1.01111	1.45

8.04 7.80

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km2 2011
m RO14

C50	C90
2.70	3.30
0.027	0.106
0.50	2.00
0.50	0.50
0.0175	0.0175
1.10	3.00
3.75	10.00
2.40	4.40
0.075	0.075
0.075	0.075
46.20	51.00
7.30	9.70
0.50	2.00
0.50	0.50
329.00	356.00
2.70	6.10
2.10	3.10
10.60	8.30
0.50	1.30
0.50	0.50
0.0042	0.0042
8.80	10.90
0.0075	0.025
0.50	1.80
0.50	1.60
0.43	0.64
0.008	0.022
0.022	0.063
7.90	7.90
13.00	55.00
10.00	24.00
1.45	1.45

Total phosphorus	mg/l	12	0.03	0.06933	0.241
Zinc (Zn)	µg/l	12	5	5.5	11
Zinc (Zn), dissolved	µg/l	12	5	5	5
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.55	8.01833	8.26

River: Crisul Alb **Catchment:** 4240.00
Distance from mouth: 0 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.3	3.00833	3.7
Ammonium (NH4-N)	mg/l	12	0.029	0.06083	0.133
Arsenic (As)	µg/l	12	1	2.25833	3.4
Arsenic (As), dissolved	µg/l	12	< 0.5	1.525	2.8
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.2	2.33333	3.8
COD (Cr)	mg/l	12	< 3.75	6.22917	16
COD (Mn)	mg/l	12	2.1	3.18333	5.2
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	37.8	49.78333	60.3
Chloride (Cl-)	mg/l	12	10	13.66667	18.5
Chromium (Cr) - total	µg/l	12	< 0.5	2.69167	9.7
Chromium (Cr), total	µg/l	12	< 0.5	0.75	1.8
Conductivity	µS/cm	12	321	412.83333	495
Copper (Cu)	µg/l	12	2.1	4.26667	8.6
Copper (Cu), dissolved	µg/l	12	1.2	2.725	4.5
Dissolved oxygen	mg/l	12	6.2	9.81667	12.6
Lead (Pb)	µg/l	12	0.5	0.99167	2.3
Lead (Pb), dissolved	µg/l	12	0.5	0.5	0.5
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	7.1	13.55	18
Mercury (Hg)	µg/l	11	< 0.0075	0.01418	0.05
Nickel (Ni)	µg/l	12	< 0.5	1.2	3.5
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.84167	3.1
Nitrate (NO3-N)	mg/l	12	0.42	0.60167	0.84
Nitrite (NO2-N)	mg/l	12	0.006	0.01175	0.017
Orthophosphate (PO4-P)	mg/l	12	0.028	0.056	0.097

0.051	0.081
5.00	5.00
5.00	5.00
0.0025	0.0025
8.03	7.94

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km2 **2011**
m **RO15**

C50	C90
3.10	3.50
0.044	0.128
1.80	3.40
1.30	2.50
0.0175	0.0175
2.00	3.20
3.75	15.00
2.90	4.50
0.075	0.075
0.075	0.075
49.80	59.20
12.20	17.80
1.30	5.90
0.50	1.70
404.00	484.00
3.10	8.40
2.50	4.30
9.70	7.40
0.50	1.90
0.50	0.50
0.0042	0.0042
13.30	17.90
0.0075	0.016
0.50	3.20
0.50	2.00
0.53	0.77
0.01	0.016
0.05	0.09

Phytoplankton (biomass - chlorophyll-a)	µg/l	6	1.5	2.23333	4
Suspended solids	mg/l	12	7	31.25	69
Temperature	°C	12	3	13.41667	26
Total nitrogen	mg/l	11	0.62	0.93909	1.34
Total phosphorus	mg/l	12	0.046	0.11533	0.171
Zinc (Zn)	µg/l	12	5	11.75	35
Zinc (Zn), dissolved	µg/l	12	5	5.5	11
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.85	8.04167	8.16

River: Mures **Catchment:** 27818.00
Distance from mouth: 21 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	9	2	2.58889	3.2
Ammonium (NH ₄ -N)	mg/l	12	0.05	0.15742	0.362
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	12	< 0.5	< 0.5	< 0.5
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	2.53	4.18417	6.8
COD (Cr)	mg/l	12	< 3.75	11.79583	56.8
COD (Mn)	mg/l	12	2.61	5.92083	12.8
Cadmium (Cd)	µg/l	12	< 0.075	0.22992	0.886
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.12058	0.417
Calcium (Ca ⁺⁺)	mg/l	12	38.4	51.83667	63.7
Chloride (Cl ⁻)	mg/l	12	34.5	53.84392	74.49
Chromium (Cr) - total	µg/l	12	3.56	7.414	12.128
Chromium (Cr), total	µg/l	12	1.06	4.26675	7.53
Conductivity	µS/cm	12	453	572.41667	806
Copper (Cu)	µg/l	12	5.6	15.77225	61.8
Copper (Cu), dissolved	µg/l	12	< 0.5	10.77408	52.8
Dissolved oxygen	mg/l	12	7.2	10.26167	12.7
Iron (Fe)	mg/l	12	0.097	0.51625	1.27
Lead (Pb)	µg/l	12	< 0.15	2.97883	9.69
Lead (Pb), dissolved	µg/l	12	< 0.15	1.78792	5.04
Lindane (gama-HCH)	µg/l	10	< 0.00425	0.00545	0.01624
Magnesium (Mg ⁺⁺)	mg/l	12	6.61	11.56583	17.17

4.00	4.00
23.00	63.00
9.00	24.00
0.96	1.12
0.121	0.167
5.00	21.00
5.00	5.00
0.0025	0.0025
8.06	7.92

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km2 **2011**
m **RO16**

C50	C90
3.20	3.20
0.116	0.316
0.05	0.05
0.50	0.50
0.50	0.50
0.0175	0.0175
4.05	5.14
3.75	37.80
5.20	8.80
0.075	0.617
0.075	0.28
51.20	61.40
54.478	66.22
6.79	10.31
3.98	6.121
552.00	660.00
10.40	21.50
5.49	18.20
10.13	8.41
0.32	0.941
2.136	5.49
1.135	4.63
0.0162	0.0162
11.46	13.86

Manganese (Mn)	mg/l	12	0.076	0.19175	0.489
Mercury (Hg)	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni)	µg/l	12	< 0.5	3.97042	14.4
Nickel (Ni), dissolved	µg/l	12	< 0.5	2.29042	10.05
Nitrate (NO3-N)	mg/l	12	0.197	0.72183	1.63
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.02208	0.048
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.04292	0.118
Phenol index	mg/l	12	< 0.0025	0.69354	2.9
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.43	50.115	156.88
Potassium (K+)	mg/l	12	3.6	4.4775	5.36
Silicates(SiO2), dissolved	mg/l	12	7.14	9.1575	11.5
Sodium (Na+)	mg/l	12	28.9	50.55	80.8
Sulphate (SO4--)	mg/l	12	38.7	77.325	135.3

River: Mures **Catchment:** 27818.00
Distance from mouth: 21 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Suspended solids	mg/l	12	< 0.92	66.77667	434.8
TOC	mg/l	11	1.75	18.22545	65.3
Temperature	°C	12	1	11.70833	27.4
Total nitrogen	mg/l	11	1.05	1.79545	2.8
Total phosphorus	mg/l	12	0.06	0.11283	0.217
Zinc (Zn)	µg/l	12	< 0.5	29.13333	104
Zinc (Zn), dissolved	µg/l	12	< 0.5	4.0975	29
p,p'-DDT	µg/l	11	< 0.0025	0.00347	0.0097
pH	-	12	7.75	8.09083	8.6

0.142	0.326
0.0075	0.0075
0.0075	0.0075
3.47	7.83
1.23	3.66
0.666	1.30
0.014	0.045
0.03	0.087
0.0025	2.90
37.49	116.62
4.53	4.96
8.95	11.20
46.00	64.20
71.35	96.50

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km2 **2011**
m **RO16**

C50	C90
18.00	105.80
15.70	27.50
8.00	21.00
1.62	2.78
0.087	0.185
18.10	64.00
0.50	8.25
0.0025	0.006
8.01	7.89

River: Bega **Catchment:** 2632.00
Distance from mouth: 7 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	1.7	2.04917	2.35
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.94918	2.104
Anionic active surfactants	mg/l	12	< 0.05	0.12276	0.329
Arsenic (As)	µg/l	12	< 0.5	< 0.5	< 0.5
BOD (5)	mg/l	12	1.92	3.42417	5.46
COD (Cr)	mg/l	12	8.79	16.71	27.94
COD (Mn)	mg/l	12	3.42	5.4875	9.6
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.3825	1.05
Calcium (Ca ⁺⁺)	mg/l	12	26.93	31.63417	37.67
Chloride (Cl ⁻)	mg/l	12	13.62	17.06583	23.82
Chromium (Cr), total	µg/l	12	< 0.5	4.44167	19.1
Conductivity	µS/cm	12	258	308.08333	344

km2 2011
m RO17

C50	C90
2.00	2.30
0.15	1.9022
0.05	0.312
0.50	0.50
3.28	5.43
14.45	24.50
4.96	7.19
0.075	0.93
31.26	35.02
16.17	21.56
1.00	8.40
308.00	342.00

Copper (Cu), dissolved	µg/l	12	< 0.5	3.94833	9.7
Dissolved oxygen	mg/l	12	4.01	7.73667	11.85
Lead (Pb), dissolved	µg/l	12	< 0.15	3.98333	12.3
Magnesium (Mg++)	mg/l	12	7	11.03917	14.31
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni), dissolved	µg/l	12	< 0.5	4.02083	14.2
Nitrate (NO3-N)	mg/l	12	0.298	0.85408	1.405
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.04335	0.1173
Orthophosphate (PO4-P)	mg/l	12	0.083	0.16224	0.312
Phenol index	mg/l	12	< 0.0025	0.82625	2.3
Potassium (K+)	mg/l	11	2	4	6
Sodium (Na+)	mg/l	11	8	16.90909	21
Sulphate (SO4--)	mg/l	12	13.67	22.30667	28.51
Suspended solids	mg/l	12	8	24.08333	42
TOC	mg/l	4	4.4	5.3825	6.41
Temperature	°C	12	1	12.58333	25
Total nitrogen	mg/l	10	2.24	3.164	4.2
Total phosphorus	mg/l	12	0.107	0.31558	0.63
Zinc (Zn), dissolved	µg/l	12	< 0.5	21.56667	75.4
pH	-	12	6.4	7.13333	7.8

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	11	26.07692	48
Alkalinity - total	mmol/l	14	2.65	3.26643	3.96
Ammonium (NH4-N)	mg/l	14	< 0.0125	0.08382	0.196
Anionic active surfactants	mg/l	12	0.1	0.19783	0.3
Arsenic (As)	µg/l	12	< 0.5	0.55833	1.2
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	14	< 0.25	1.15929	3.12

3.00	8.30
6.57	4.44
0.15	9.00
10.76	13.13
0.0075	0.0075
1.50	9.20
0.819	1.191
0.028	0.0966
0.161	0.203
0.0025	2.20
4.00	5.00
18.00	21.00
22.35	26.04
20.00	41.00
6.41	6.41
12.00	22.00
4.20	4.20
0.23	0.558
19.80	33.40
7.20	6.60

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km2 2011
m RO18

C50	C90
23.00	42.00
3.40	3.84
0.089	0.156
0.16	0.30
0.50	0.50
0.50	0.50
0.0175	0.0175
1.50	2.01

COD (Cr)	mg/l	14	9.21	11.43214	15.74
COD (Mn)	mg/l	14	1.75	2.775	4.07
Cadmium (Cd)	µg/l	12	< 0.075	0.176	0.774
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08145	0.1524
Calcium (Ca++)	mg/l	13	44.44	56.20769	72.07
Chloride (Cl-)	mg/l	14	16.32	22.635	29.18
Chromium (Cr) - total	µg/l	12	< 0.5	1.18306	4.3
Chromium (Cr), total	µg/l	12	< 0.5	0.79333	2.5
Conductivity	µS/cm	14	369	450.07143	525
Copper (Cu)	µg/l	12	2.659	4.77842	10.265
Copper (Cu), dissolved	µg/l	12	< 0.5	2.63077	4.3
Dissolved oxygen	mg/l	14	6.85	9.79357	12.9
Iron (Fe)	mg/l	12	0.05	0.20817	1.07
Lead (Pb)	µg/l	12	< 0.15	0.32333	1.263
Lead (Pb), dissolved	µg/l	12	< 0.15	0.19583	0.7
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	13	13.58	20.51923	27.16
Manganese (Mn)	mg/l	12	< 0.015	0.0213	0.0427
Mercury (Hg)	µg/l	12	< 0.0075	0.00983	0.024
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni)	µg/l	12	< 0.5	1.46354	3.438
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	14	0.973	1.29122	2.101
Nitrite (NO2-N)	mg/l	14	0.003	0.0178	0.04
Orthophosphate (PO4-P)	mg/l	14	0.007	0.03871	0.075
Phenol index	mg/l	12	0.018	0.02558	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.48	3.09167	3.78
Potassium (K+)	mg/l	13	2	2.69231	3
Silicates(SiO2), dissolved	mg/l	9	2.9	4.87778	6.6
Sodium (Na+)	mg/l	13	14	19.53846	27

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	14	15.63	39.4	67.5
Suspended solids	mg/l	14	25	31.92857	48
TOC	mg/l	10	1.5586	2.19296	3.15
Temperature	°C	14	1	13.27143	26.5

11.07	13.77
2.88	3.35
0.075	0.503
0.075	0.075
55.83	61.53
23.51	26.75
0.50	2.461
0.50	2.02
476.00	521.00
4.257	7.905
2.12	4.182
10.15	7.07
0.128	0.251
0.15	1.117
0.15	0.15
0.0042	0.0042
20.37	25.22
0.015	0.0411
0.0075	0.0189
0.0075	0.0075
1.0815	3.075
0.50	0.50
1.2045	1.695
0.021	0.036
0.043	0.063
0.024	0.037
3.78	3.78
3.00	3.00
6.60	6.60
20.00	25.00

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km2 **2011**
m **RO18**

C50	C90
38.42	50.00
32.00	38.00
3.15	3.15
15.70	24.50

Total nitrogen	mg/l	9	1.34	1.57333	1.85
Total phosphorus	mg/l	14	0.019	0.1165	0.224
Zinc (Zn)	µg/l	12	12.7	47.02917	125
Zinc (Zn), dissolved	µg/l	12	6.5	26.5925	49.3
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	14	7.5	7.81214	8.03

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	14	26.84615	48
Alkalinity - total	mmol/l	14	2.63	3.21714	3.83
Ammonium (NH ₄ -N)	mg/l	14	< 0.0125	0.07025	0.169
Anionic active surfactants	mg/l	12	< 0.05	0.17225	0.28
Arsenic (As)	µg/l	12	< 0.5	0.56667	1.3
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5

1.85	1.85
0.109	0.195
46.75	64.00
27.30	41.40
0.0025	0.0025
7.85	7.64

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km2 **2011**
m **RO18**

C50	C90
24.00	45.00
3.35	3.74
0.067	0.141
0.14	0.256
0.50	0.50
0.50	0.50

Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	14	< 0.25	1.01071	3
COD (Cr)	mg/l	14	8.06	9.72214	12.79
COD (Mn)	mg/l	14	1.5	2.45071	3.5
Cadmium (Cd)	µg/l	12	< 0.075	0.17325	0.556
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	13	43.28	53.06231	64.77
Chloride (Cl-)	mg/l	14	15.63	22.09214	28.83
Chromium (Cr) - total	µg/l	12	< 0.5	0.92675	3.257
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	14	366	443.85714	515
Copper (Cu)	µg/l	12	1.852	4.98919	9.898
Copper (Cu), dissolved	µg/l	12	< 0.5	2.41578	4.793
Dissolved oxygen	mg/l	14	6.5	9.70714	12.58
Iron (Fe)	mg/l	12	0.036	0.17925	1.04
Lead (Pb)	µg/l	12	< 0.15	0.50408	1.93
Lead (Pb), dissolved	µg/l	12	< 0.15	0.1975	0.72
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	13	13.58	20.4	28.13
Manganese (Mn)	mg/l	12	< 0.015	0.01991	0.0361
Mercury (Hg)	µg/l	12	< 0.0075	0.00863	0.021
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni)	µg/l	12	< 0.5	0.94133	2.763
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	14	0.918	1.233	1.536
Nitrite (NO2-N)	mg/l	14	< 0.0015	0.01591	0.034
Orthophosphate (PO4-P)	mg/l	14	< 0.0035	0.03521	0.078
Phenol index	mg/l	12	0.018	0.02558	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.84	3.27167	4.02
Potassium (K+)	mg/l	13	2	2.61538	4
Silicates(SiO2), dissolved	mg/l	9	2.5	4.86667	6.8
Sodium (Na+)	mg/l	13	14	19.46154	26

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	14	24.27	37.44571	54.27
Suspended solids	mg/l	14	23	30.35714	44

0.0175	0.0175
1.20	1.90
9.34	11.80
2.27	3.43
0.075	0.514
0.075	0.075
52.64	58.72
22.86	25.71
0.50	2.039
0.50	0.50
458.00	510.00
4.50	8.073
2.427	3.75
10.04	6.76
0.081	0.175
0.15	1.451
0.15	0.15
0.0042	0.0042
19.20	26.19
0.015	0.0352
0.0075	0.0075
0.0075	0.0075
0.50	1.675
0.50	0.50
1.228	1.514
0.018	0.03
0.046	0.054
0.024	0.037
4.02	4.02
3.00	3.00
6.80	6.80
20.00	26.00

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km2 **2011**
m **RO18**

C50	C90
37.02	49.74
30.00	36.00

TOC	mg/l	10	1.309	2.0844	2.967
Temperature	°C	14	1	13.15714	27
Total nitrogen	mg/l	9	1.28	1.53889	1.73
Total phosphorus	mg/l	14	0.037	0.10807	0.183
Zinc (Zn)	µg/l	12	19.3	51.03583	71.7
Zinc (Zn), dissolved	µg/l	12	8.7	32.045	58.9
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	14	7.68	7.84214	8.03

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	10	22.69231	55
Alkalinity - total	mmol/l	14	2.61	3.24214	3.91
Ammonium (NH ₄ -N)	mg/l	14	< 0.0125	0.08507	0.222
Anionic active surfactants	mg/l	12	0.1	0.19542	0.3

2.967	2.967
15.80	24.20
1.73	1.73
0.099	0.169
51.03	70.60
30.10	51.20
0.0025	0.0025
7.86	7.73

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km2	2011
m	RO18

C50	C90
21.00	26.00
3.38	3.83
0.084	0.157
0.15	0.30

Arsenic (As)	µg/l	12	< 0.5	0.5625	1.25
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	14	< 0.25	1.08571	3.1
COD (Cr)	mg/l	14	9.07	11.36286	17.71
COD (Mn)	mg/l	14	1.81	2.81143	3.83
Cadmium (Cd)	µg/l	12	< 0.075	0.20875	0.774
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	13	41.47	54.65077	68.01
Chloride (Cl-)	mg/l	14	15.98	22.355	27.1
Chromium (Cr) - total	µg/l	12	< 0.5	0.71583	2.153
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	14	363	447.07143	513
Copper (Cu)	µg/l	12	2.1	6.02152	14.7
Copper (Cu), dissolved	µg/l	12	< 0.5	2.12248	4.258
Dissolved oxygen	mg/l	14	6.82	9.79071	12.68
Iron (Fe)	mg/l	12	0.045	0.2045	1.016
Lead (Pb)	µg/l	12	< 0.15	0.79242	4.5
Lead (Pb), dissolved	µg/l	12	< 0.15	0.21283	0.7
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	13	14.55	19.92231	25.22
Manganese (Mn)	mg/l	12	< 0.015	0.02125	0.0365
Mercury (Hg)	µg/l	12	< 0.0075	0.01013	0.02
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075
Nickel (Ni)	µg/l	12	< 0.5	0.89908	2.225
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	14	0.915	1.24157	1.717
Nitrite (NO2-N)	mg/l	14	< 0.0015	0.01981	0.086
Orthophosphate (PO4-P)	mg/l	14	0.007	0.04243	0.073
Phenol index	mg/l	12	0.018	0.02558	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.84	3.42833	4.61
Potassium (K+)	mg/l	13	2	2.92308	5
Silicates(SiO2), dissolved	mg/l	9	2.7	4.86667	7.3
Sodium (Na+)	mg/l	13	13	20.07692	27

River: Danube **Catchment:** 577085.00
Distance from mouth: 851 **Altitude:**
Location: Right

Determinand name	Unit	N	Min	Mean	Max
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0.50	0.50
0.50	0.50
0.0175	0.0175
1.50	1.89
10.80	13.77
3.07	3.39
0.075	0.557
0.075	0.075
54.23	58.29
23.24	26.05
0.50	1.437
0.50	0.50
452.00	512.00
4.01	14.256
2.336	3.8508
10.96	6.93
0.13	0.203
0.15	1.43
0.15	0.354
0.0042	0.0042
19.40	25.22
0.015	0.0347
0.0075	0.018
0.0075	0.0075
0.50	2.015
0.50	0.50
1.145	1.649
0.018	0.035
0.059	0.068
0.024	0.037
4.61	4.61
3.00	3.00
7.30	7.30
21.00	27.00

km2 2011
m RO18

C50	C90
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36.98	48.43
32.00	35.00
2.708	2.708
15.80	24.50
1.74	1.74
0.106	0.208
43.50	79.70
23.80	37.08
0.0025	0.0025
7.83	7.65

km2 **2011**
m **RO19**

C50	C90
27.00	42.00
2.567	3.621

Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.11721	0.394
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	12	< 0.5	1.51333	2
Arsenic (As), dissolved	µg/l	12	< 0.5	0.625	1.3
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	2.73	3.2625	4.4
COD (Cr)	mg/l	12	9.8	14.28333	20.7
COD (Mn)	mg/l	12	3.2	4.35333	8.96
Cadmium (Cd)	µg/l	12	< 0.075	0.08542	0.2
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	12	42.5	53.36083	70.89
Chloride (Cl ⁻)	mg/l	12	16.8	25.34558	37.059
Chromium (Cr) - total	µg/l	12	< 0.5	2.6	12.8
Chromium (Cr), total	µg/l	12	< 0.5	0.725	2.2
Conductivity	µS/cm	12	289	393.58333	521
Copper (Cu)	µg/l	12	1.9	3.65	8.2
Copper (Cu), dissolved	µg/l	12	1.7	2.3	5
Dissolved oxygen	mg/l	12	7.66	9.7375	11.55
Iron (Fe)	mg/l	12	0.3014	1.31669	6.9
Lead (Pb)	µg/l	11	< 0.15	1.50091	6.3
Lead (Pb), dissolved	µg/l	12	< 0.15	0.39167	1.9
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	8.5	10.67417	14.18
Manganese (Mn)	mg/l	12	0.033	0.05173	0.079
Mercury (Hg)	µg/l	6	0.1	0.175	0.37
Mercury (Hg), dissolved	µg/l	6	< 0.0075	0.08708	0.28
Nickel (Ni)	µg/l	12	< 0.5	2.3525	7.8
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.15	3.2
Nitrate (NO ₃ -N)	mg/l	12	1.103	1.8045	3.168
Nitrite (NO ₂ -N)	mg/l	12	0.007	0.0195	0.045
Orthophosphate (PO ₄ -P)	mg/l	12	0.05	0.09275	0.134
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	1.9	5.76333	10.42
Potassium (K ⁺)	mg/l	12	1.3	3.09167	4.6
Silicates(SiO ₂), dissolved	mg/l	12	10.3	15.19167	26.3
Sodium (Na ⁺)	mg/l	12	16	24.85	32.8

River: Jiu **Catchment:** 10046.00
Distance from mouth: 9 **Altitude:**

0.064	0.264
0.05	0.05
1.40	2.00
0.50	1.20
0.0175	0.0175
3.00	3.95
13.20	17.10
3.96	5.76
0.075	0.075
0.075	0.075
48.50	68.44
22.10	33.34
0.50	8.60
0.50	1.50
370.00	504.00
2.40	6.00
1.90	2.70
9.58	8.20
0.386	4.167
0.78	3.20
0.15	0.59
0.0042	0.0042
9.70	13.69
0.051	0.0668
0.37	0.37
0.28	0.28
1.50	5.50
0.50	2.10
1.511	2.698
0.017	0.041
0.085	0.132
0.0025	0.0025
10.42	10.42
2.80	4.40
12.90	22.60
22.70	32.40

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	12	31.5	56.20167	72.7
Suspended solids	mg/l	12	9	91.66667	727
TOC	mg/l	11	< 0.5	1.51755	2.89
Temperature	°C	12	< 0.05	14.9625	27
Total nitrogen	mg/l	12	1.496	2.41733	4.033
Total phosphorus	mg/l	12	0.07	0.12933	0.188
Zinc (Zn)	µg/l	12	< 0.5	7.86667	16
Zinc (Zn), dissolved	µg/l	12	< 0.5	4.01667	7.5
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.04	7.79083	8.48

River:

Danube

Catchment:

580100.00

Distance from mouth:

834

Altitude:

31

Location:

Left

C50	C90
55.30	70.65
25.00	156.00
1.315	2.389
14.00	26.00
2.332	3.34
0.118	0.184
7.80	13.00
3.40	7.30
0.0025	0.0025
7.77	7.27

km2 2011
m RO2

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	16	21.38462	29
Alkalinity - total	mmol/l	16	2.61	3.26563	3.87
Ammonium (NH4-N)	mg/l	24	< 0.0125	0.06602	0.149
Anionic active surfactants	mg/l	12	0.11	0.203	0.32
Arsenic (As)	µg/l	12	< 0.5	0.62333	1.98
Arsenic (As), dissolved	µg/l	12	< 0.5	0.54417	1.03
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	24	< 0.25	1.29375	3.68
COD (Cr)	mg/l	16	9.21	12.07938	17.71
COD (Mn)	mg/l	15	1.5	2.562	3.86
Cadmium (Cd)	µg/l	12	< 0.075	0.1025	0.405
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	13	39.88	54.28385	64.77
Chloride (Cl-)	mg/l	16	15.63	22.4975	27.44
Chromium (Cr) - total	µg/l	12	< 0.5	0.75658	2.035
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	16	386	473.25	585
Copper (Cu)	µg/l	12	2.267	4.16533	8.4
Copper (Cu), dissolved	µg/l	12	< 0.5	1.86561	3.527
Dissolved oxygen	mg/l	16	7.09	9.79125	12.84
Flow	m3/s	365	1970	4181.5068	9580
Iron (Fe)	mg/l	12	0.06	0.18567	0.61
Lead (Pb)	µg/l	12	< 0.15	0.4645	1.738
Lead (Pb), dissolved	µg/l	12	< 0.15	0.20833	0.85
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	13	14.55	20.96692	26.19
Manganese (Mn)	mg/l	12	< 0.015	0.01682	0.0368
Mercury (Hg)	µg/l	12	< 0.0075	0.01408	0.069
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00854	0.02
Nickel (Ni)	µg/l	12	< 0.5	1.26583	3.438
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.5525	1.13
Nitrate (NO3-N)	mg/l	24	0.798	1.22685	1.672
Nitrite (NO2-N)	mg/l	24	0.003	0.02148	0.059
Orthophosphate (PO4-P)	mg/l	24	< 0.0035	0.06394	0.67
Phenol index	mg/l	12	0.018	0.02775	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.84	4.15833	5.44
Potassium (K+)	mg/l	13	1	2.76923	4
Silicates(SiO2), dissolved	mg/l	14	3.4	5.15714	7

C50	C90
20.00	28.00
3.33	3.83
0.056	0.124
0.14	0.31
0.50	0.50
0.50	0.50
0.0175	0.0175
1.50	2.32
11.80	15.74
2.50	3.86
0.075	0.075
0.075	0.075
54.23	59.91
23.27	25.71
0.50	1.305
0.50	0.50
491.00	562.00
3.54	5.92
1.664	3.20
8.98	7.19
3870.00	6870.00
0.117	0.408
0.15	1.621
0.15	0.15
0.0042	0.0042
21.34	26.19
0.015	0.015
0.0075	0.025
0.0075	0.0075
0.50	2.35
0.50	0.50
1.168	1.662
0.02	0.043
0.04	0.061
0.024	0.037
5.44	5.44
3.00	3.00
5.20	6.50

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 31
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Sodium (Na ⁺)	mg/l	13	13	21.61538	28
Sulphate (SO ₄ ⁻⁻)	mg/l	16	23.78	36.1475	49.66
Suspended solids	mg/l	24	20	31.375	38
TOC	mg/l	10	< 0.5	1.7648	3.074
Temperature	°C	24	2	14.17083	27
Total nitrogen	mg/l	20	1.28	1.627	2.19
Total phosphorus	mg/l	24	0.027	0.15746	0.91
Zinc (Zn)	µg/l	12	18.8	47.74667	83.1
Zinc (Zn), dissolved	µg/l	12	11.2	26.34167	49.3
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	16	7.62	7.82125	8.04

km2 2011
m RO2

C50	C90
22.00	28.00
33.31	49.33
33.00	37.00
3.074	3.074
14.00	24.40
1.62	1.79
0.105	0.212
40.76	82.10
25.20	44.90
0.0025	0.0025
7.82	7.66

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 31
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	17	25.84615	44
Alkalinity - total	mmol/l	16	2.59	3.23813	3.85
Ammonium (NH4-N)	mg/l	24	< 0.0125	0.0585	0.139
Anionic active surfactants	mg/l	12	< 0.05	0.17967	0.29
Arsenic (As)	µg/l	12	< 0.5	0.635	2.12
Arsenic (As), dissolved	µg/l	12	< 0.5	0.58833	1.56
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	24	< 0.25	0.9275	2.31
COD (Cr)	mg/l	16	7.87	9.79313	12.28
COD (Mn)	mg/l	15	1.63	2.26067	3.69
Cadmium (Cd)	µg/l	12	< 0.075	0.13092	0.468
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	13	38.28	52.05846	61.53
Chloride (Cl-)	mg/l	16	15.28	22.13875	27.1
Chromium (Cr) - total	µg/l	12	< 0.5	0.81683	2.356
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	16	381	463.25	555
Copper (Cu)	µg/l	12	2.452	4.12725	7.2
Copper (Cu), dissolved	µg/l	12	1.267	2.28267	3.21
Dissolved oxygen	mg/l	16	6.23	9.67188	12.56
Flow	m3/s	365	1970	4181.5068	9580
Iron (Fe)	mg/l	12	0.039	0.15225	0.455
Lead (Pb)	µg/l	12	< 0.15	0.42733	1.757
Lead (Pb), dissolved	µg/l	12	< 0.15	0.1985	0.732
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	13	14.55	21.34	29.1
Manganese (Mn)	mg/l	12	< 0.015	0.01838	0.03821
Mercury (Hg)	µg/l	12	< 0.0075	0.0108	0.0291
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00813	0.015
Nickel (Ni)	µg/l	12	< 0.5	1.25825	3.102
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.54767	1.072
Nitrate (NO3-N)	mg/l	24	0.828	1.19805	1.64
Nitrite (NO2-N)	mg/l	24	0.003	0.0193	0.042
Orthophosphate (PO4-P)	mg/l	24	< 0.0035	0.04098	0.226
Phenol index	mg/l	12	0.018	0.02775	0.037
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.48	3.21167	3.9
Potassium (K+)	mg/l	13	1	2.46154	3
Silicates(SiO2), dissolved	mg/l	14	3	5.07143	6.7

km2 2011

m RO2

C50	C90
24.00	38.00
3.29	3.76
0.052	0.108
0.14	0.28
0.50	0.50
0.50	0.50
0.0175	0.0175
0.25	2.12
9.05	11.80
2.07	3.24
0.075	0.353
0.075	0.075
52.64	55.05
21.88	25.71
0.50	1.641
0.50	0.50
475.00	552.00
3.785	6.688
2.375	2.949
8.78	7.02
3870.00	6870.00
0.10	0.29
0.15	1.112
0.15	0.15
0.0042	0.0042
21.34	27.16
0.015	0.0324
0.0075	0.018
0.0075	0.0075
0.50	2.75
0.50	0.50
1.137	1.543
0.018	0.034
0.037	0.055
0.024	0.037
3.90	3.90
3.00	3.00
5.50	6.30

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 31
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sodium (Na ⁺)	mg/l	13	12	20.92308	28
Sulphate (SO ₄ ⁻⁻)	mg/l	16	29.14	38.26	47.45
Suspended solids	mg/l	24	19	29.75	38
TOC	mg/l	10	< 0.5	1.6619	2.797
Temperature	°C	24	2	14.07917	27
Total nitrogen	mg/l	20	1.23	1.5835	2.07
Total phosphorus	mg/l	24	0.019	0.12913	0.6
Zinc (Zn)	µg/l	12	21.5	55.6375	172.5
Zinc (Zn), dissolved	µg/l	12	10	28.36833	66.7
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	16	7.69	7.86063	8.16

km2 2011
m RO2

C50	C90
22.00	28.00
37.27	46.68
30.00	36.00
2.797	2.797
14.00	24.30
1.51	1.84
0.099	0.178
39.20	73.90
26.80	48.70
0.0025	0.0025
7.87	7.70

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 31
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	13	13	21.76923	46
Alkalinity - total	mmol/l	16	2.57	3.265	3.85
Ammonium (NH ₄ -N)	mg/l	24	< 0.0125	0.0766	0.349
Anionic active surfactants	mg/l	12	0.1	0.1995	0.34
Arsenic (As)	µg/l	12	< 0.5	0.6225	1.97
Arsenic (As), dissolved	µg/l	12	< 0.5	0.5625	1.25
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	24	< 0.25	0.92458	2.4
COD (Cr)	mg/l	16	9.21	11.66625	15.12
COD (Mn)	mg/l	15	1.3	2.50867	3.78
Cadmium (Cd)	µg/l	12	< 0.075	0.13542	0.562
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	13	36.69	53.05538	63.15
Chloride (Cl ⁻)	mg/l	16	14.93	22.55188	27.79
Chromium (Cr) - total	µg/l	12	< 0.5	1.20633	4.55
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5
Conductivity	µS/cm	16	378	474	573
Copper (Cu)	µg/l	12	2.1	4.72567	6.8
Copper (Cu), dissolved	µg/l	12	< 0.5	2.57283	4.727
Dissolved oxygen	mg/l	16	6.57	9.6775	12.68
Flow	m ³ /s	365	1970	4181.5068	9580
Iron (Fe)	mg/l	12	0.06	0.18692	0.614
Lead (Pb)	µg/l	12	< 0.15	0.46733	2.121
Lead (Pb), dissolved	µg/l	12	< 0.15	0.24808	0.962
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	13	14.55	21.63846	29.1
Manganese (Mn)	mg/l	12	< 0.015	0.01817	0.053
Mercury (Hg)	µg/l	12	< 0.0075	0.01025	0.032
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00863	0.021
Nickel (Ni)	µg/l	12	< 0.5	1.09383	2.795
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.61033	1.242
Nitrate (NO ₃ -N)	mg/l	24	0.851	1.28158	1.95
Nitrite (NO ₂ -N)	mg/l	24	0.003	0.01807	0.04
Orthophosphate (PO ₄ -P)	mg/l	24	0.008	0.05283	0.309
Phenol index	mg/l	12	0.018	0.02775	0.037

km2 2011
m RO2

C50	C90
18.00	39.00
3.35	3.83
0.063	0.116
0.14	0.30
0.50	0.50
0.50	0.50
0.0175	0.0175
0.25	2.17
10.82	14.76
2.50	3.67
0.075	0.313
0.075	0.075
54.23	59.91
22.93	25.71
0.50	2.152
0.50	0.50
482.00	562.00
5.108	6.11
2.537	4.542
9.04	7.09
3870.00	6870.00
0.123	0.31
0.15	1.235
0.15	0.515
0.0042	0.0042
21.34	29.10
0.015	0.015
0.0075	0.016
0.0075	0.0075
0.50	2.377
0.50	1.082
1.2118	1.757
0.015	0.036
0.043	0.069
0.024	0.037

Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.01	2.7	3.67
Potassium (K+)	mg/l	13	1	2.69231	3
Silicates(SiO ₂), dissolved	mg/l	14	3.3	5.02857	6.5

River: Danube **Catchment:** 580100.00
Distance from mouth: 834 **Altitude:** 31
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Sodium (Na+)	mg/l	13	13	21.61538	29
Sulphate (SO ₄ ⁻⁻)	mg/l	16	25.61	39.09438	55.68
Suspended solids	mg/l	24	20	30.41667	39
TOC	mg/l	10	1.213	1.7045	2.618
Temperature	°C	24	2	14.22917	27
Total nitrogen	mg/l	20	1.32	1.709	2.47
Total phosphorus	mg/l	24	0.059	0.157	0.65
Zinc (Zn)	µg/l	12	25.82	48.985	100.4
Zinc (Zn), dissolved	µg/l	12	7.5	25.26917	45.2
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025
pH	-	16	7.71	7.87375	8.1

3.67 3.67
3.00 3.00
4.90 6.50

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km2 **2011**
m **RO2**

C50	C90
23.00	28.00
35.97	54.38
31.00	36.00
2.618	2.618
14.00	24.40
1.68	2.24
0.11	0.22
47.30	69.70
22.08	40.20
0.0025	0.0025
7.88	7.72

km2 2011
m RO20

C50	C90
2.02	2.452
0.266	0.719
0.05	0.05
3.755	3.755
2.20	2.20
1.15	1.57
37.12	68.00
0.075	0.075
0.075	0.075
103.89	129.97
2.80	2.80
1.00	2.40

756.00	756.00
16.93	16.93
2.677	6.40
8.01	7.22
0.166	0.166
7.90	7.90
6.35	6.35
0.0042	0.0042
7.01	8.82
24.90	24.90
0.111	0.111
0.0843	0.0843
7.54	7.54
1.00	1.00
0.457	1.214
0.02	0.034
0.025	0.05
5.04	5.04
3.74	3.74
38.00	38.00
25.80	38.60
19.20	34.00
12.20	26.70
1.603	2.331
0.104	0.104

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km2 2011
m RO20

C50	C90
25.00	25.00
25.00	25.00
0.0025	0.0025
7.46	7.11

km2 2011
m RO21

C50	C90
5.77	5.77
0.148	5.245
0.145	0.145
3.15	6.39
45.72	248.19
4.38	10.47
121.80	121.80
278.55	278.55
1601.00	1601.00
4.24	4.24
9.22	6.04
43.497	43.497

Nitrate (NO3-N)	mg/l	13	0.133	2.84946	7.088
Nitrite (NO2-N)	mg/l	13	0.02	0.10108	0.299
Orthophosphate (PO4-P)	mg/l	13	0.047	0.12292	0.3
Phenol index	mg/l	6	5	24.28333	47.5
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	11.84	114.63	315.24
Sulphate (SO4--)	mg/l	6	67.64	101.36133	121.54
Suspended solids	mg/l	6	27	283.16667	735
TOC	mg/l	12	2.73	4.15667	10.6
Temperature	°C	13	2	13.46154	28
Total nitrogen	mg/l	13	1.908	5.41285	14.074
Total phosphorus	mg/l	13	0.079	0.21099	0.399
Zinc (Zn), dissolved	µg/l	6	< 0.5	15.91667	25
pH	-	6	6.73	7.34833	7.96

River: Danube **Catchment:** 676150.00
Distance from mouth: 432 **Altitude:** 16
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	20	31.91667	71
Alkalinity - total	mmol/l	12	2.309	3.26975	3.851
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.14743	0.76
Anionic active surfactants	mg/l	12	< 0.05	0.0875	0.1
Arsenic (As)	µg/l	12	1.2	2.21667	3.3
Arsenic (As), dissolved	µg/l	12	< 0.5	1.11667	1.5
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	2.59	3.4725	4.5

2.552	6.603
0.07	0.227
0.11	0.259
47.50	47.50

121.54	121.54
735.00	735.00
3.15	6.64
10.00	23.00
3.50	13.594
0.18	0.388
25.00	25.00
6.73	6.73

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km2 **2011**
m **RO3**

C50	C90
23.00	57.00
3.339	3.808
0.08	0.215
0.10	0.10
2.20	2.90
1.20	1.40
0.0175	0.0175
3.26	4.46

COD (Cr)	mg/l	12	12.54	15.445	20
COD (Mn)	mg/l	12	3.2	4.6	7.3
Cadmium (Cd)	µg/l	12	< 0.075	0.10625	0.45
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	40.87	58.53833	69.97
Chloride (Cl-)	mg/l	12	23.51	33.39008	46.92
Chromium (Cr) - total	µg/l	12	< 0.5	2.61667	14.3
Chromium (Cr), total	µg/l	12	< 0.5	0.55833	1.2
Conductivity	µS/cm	12	276	398.5	463
Copper (Cu)	µg/l	12	2.2	4.075	8.3
Copper (Cu), dissolved	µg/l	12	1.6	2.93333	5.8
Dissolved oxygen	mg/l	12	7.57	9.9775	12.35
Iron (Fe)	mg/l	12	0.331	0.49482	0.6122
Lead (Pb)	µg/l	12	0.36	2.81167	20.8
Lead (Pb), dissolved	µg/l	12	< 0.15	0.25	0.62
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	8.17	11.70583	13.99
Manganese (Mn)	mg/l	12	< 0.015	0.05775	0.1025
Mercury (Hg)	µg/l	6	< 0.0075	0.21958	0.36
Mercury (Hg), dissolved	µg/l	6	< 0.0075	0.08708	0.2
Nickel (Ni)	µg/l	12	1.5	2.25	4.3
Nickel (Ni), dissolved	µg/l	12	1.2	1.54167	2.3
Nitrate (NO3-N)	mg/l	12	0.0093	0.87518	1.699
Nitrite (NO2-N)	mg/l	12	0.0124	0.48594	2.152
Orthophosphate (PO4-P)	mg/l	12	0.012	0.07042	0.18
Phenol index	mg/l	12	< 0.0025	0.00871	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	8.61	21.94549	43.58
Potassium (K+)	mg/l	12	1.8	2.54167	3.6
Silicates(SiO2), dissolved	mg/l	12	7.9	10.86667	13.8
Sodium (Na+)	mg/l	12	21.4	25.325	28.8

River: Danube **Catchment:** 676150.00
Distance from mouth: 432 **Altitude:** 16
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	12	32.07	52.55158	207.4
Suspended solids	mg/l	12	< 0.92	26.85167	49
TOC	mg/l	12	1.669	2.4075	3.644
Temperature	°C	12	4	14.76667	25.5

14.40	19.00
4.22	6.66
0.075	0.075
0.075	0.075
59.10	69.78
32.544	43.62
1.40	4.10
0.50	0.50
410.00	451.00
3.30	7.40
2.60	4.50
9.73	7.57
0.4604	0.6018
0.77	2.70
0.15	0.53
0.0042	0.0042
11.82	13.96
0.0537	0.0851
0.36	0.36
0.20	0.20
1.80	4.00
1.50	2.00
0.944	1.629
0.018	2.06
0.0689	0.092
0.01	0.01
43.58	43.58
2.20	3.60
10.80	13.60
25.30	27.20

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km2 **2011**
m **RO3**

C50	C90
36.61	49.92
29.00	38.00
2.094	3.513
11.20	25.00

Total nitrogen	mg/l	12	0.682	1.86767	2.745
Total phosphorus	mg/l	12	0.017	0.0979	0.242
Zinc (Zn)	µg/l	12	3	6.54167	13
Zinc (Zn), dissolved	µg/l	12	1	2.68333	5.6
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.25	7.81833	8.59

River: Danube **Catchment:** 676150.00
Distance from mouth: 432 **Altitude:** 16
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	24	34.33333	61
Alkalinity - total	mmol/l	12	2.342	3.15442	3.727
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.13322	0.751
Anionic active surfactants	mg/l	12	< 0.05	0.0875	0.1
Arsenic (As)	µg/l	12	1.2	2.19167	3.1
Arsenic (As), dissolved	µg/l	12	< 0.5	1.16667	1.7

2.01	2.543
0.0964	0.129
4.40	10.00
2.20	5.00
0.0025	0.0025
7.72	7.32

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km2 **2011**
m **RO3**

C50	C90
28.00	52.00
3.089	3.691
0.0677	0.184
0.10	0.10
2.20	2.80
1.20	1.50

Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	2.56	3.43917	4.3
COD (Cr)	mg/l	12	11.1	14.32667	19.6
COD (Mn)	mg/l	12	3.26	4.39167	6.46
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	41.1	55.97167	67.65
Chloride (Cl-)	mg/l	12	22.11	31.09542	43.39
Chromium (Cr) - total	µg/l	12	< 0.5	2.65833	12.2
Chromium (Cr), total	µg/l	12	< 0.5	0.59167	1.6
Conductivity	µS/cm	12	270	382.33333	443
Copper (Cu)	µg/l	12	2.2	3.73333	7.6
Copper (Cu), dissolved	µg/l	12	1.6	2.625	3.8
Dissolved oxygen	mg/l	12	7.6	9.99583	12.55
Iron (Fe)	mg/l	12	0.3069	0.44472	0.5855
Lead (Pb)	µg/l	12	< 0.15	2.23167	12.1
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17167	0.41
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	8.22	11.195	13.53
Manganese (Mn)	mg/l	12	< 0.015	0.05036	0.092
Mercury (Hg)	µg/l	6	0.11	0.22733	0.48
Mercury (Hg), dissolved	µg/l	6	< 0.0075	0.09583	0.2
Nickel (Ni)	µg/l	12	1.4	2.34167	5.5
Nickel (Ni), dissolved	µg/l	12	1	1.54167	2.2
Nitrate (NO3-N)	mg/l	12	0.0092	0.78444	1.563
Nitrite (NO2-N)	mg/l	12	0.012	0.41629	1.83
Orthophosphate (PO4-P)	mg/l	12	0.015	0.06523	0.18
Phenol index	mg/l	12	< 0.0025	0.00871	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	8.76	24.0392	42.17
Potassium (K+)	mg/l	12	1.5	2.13333	3.2
Silicates(SiO2), dissolved	mg/l	12	7.2	9.75833	13.3
Sodium (Na+)	mg/l	12	20.5	24.15	27.6

River: Danube **Catchment:** 676150.00
Distance from mouth: 432 **Altitude:** 16
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	12	31.01	49.24828	182.88
Suspended solids	mg/l	12	< 0.92	24.36	37

0.0175	0.0175
3.40	4.20
13.02	18.50
4.16	5.82
0.075	0.075
0.075	0.075
54.21	66.44
29.503	43.39
1.10	5.20
0.50	0.50
391.00	433.00
3.20	5.50
2.60	3.00
9.64	7.72
0.4103	0.5725
1.00	4.30
0.15	0.15
0.0042	0.0042
10.84	13.29
0.0398	0.0808
0.48	0.48
0.20	0.20
1.80	4.20
1.50	2.10
0.726	1.462
0.017	1.595
0.058	0.089
0.01	0.01
42.17	42.17
1.90	3.00
9.40	12.90
23.90	26.60

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km2 **2011**
m **RO3**

C50	C90
34.63	51.022
27.50	34.00

TOC	mg/l	12	1.415	2.21383	3.401
Temperature	°C	12	4	14.74167	26
Total nitrogen	mg/l	12	0.699	1.75492	2.709
Total phosphorus	mg/l	12	0.02	0.09047	0.243
Zinc (Zn)	µg/l	12	1	8.23333	21
Zinc (Zn), dissolved	µg/l	12	1	3.13333	8.3
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.22	7.84167	8.51

River: Danube **Catchment:** 676150.00
Distance from mouth: 432 **Altitude:** 16
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	17	31	69
Alkalinity - total	mmol/l	12	2.422	3.18917	3.767
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.13597	0.758
Anionic active surfactants	mg/l	12	< 0.05	0.0875	0.1

2.002	3.201
11.40	24.50
1.778	2.476
0.0817	0.123
7.20	12.00
2.40	6.30
0.0025	0.0025
7.74	7.40

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km2	2011
m	RO3

C50	C90
27.00	50.00
3.179	3.767
0.075	0.206
0.10	0.10

2.40	3.10
1.10	1.40
0.0175	0.0175
3.60	4.32
16.80	19.20
4.41	6.53
0.075	0.30
0.075	0.075
55.79	69.11
32.182	43.77
1.20	8.00
0.50	0.50
407.00	443.00
3.10	8.40
2.80	3.30
9.28	7.90
0.4958	0.6831
0.90	3.90
0.15	0.52
0.0042	0.0042
11.16	13.82
0.0524	0.0812
0.30	0.30
0.13	0.13
1.70	4.30
1.50	2.00
0.864	1.586
0.018	1.508
0.065	0.069
0.01	0.01
42.17	42.17
2.40	3.20
10.50	12.30
24.60	27.40

km2 2011
m RO3

C50	C90
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Sulphate (SO4--)	mg/l	12	31.44	50.25705	193.92
Suspended solids	mg/l	12	< 0.92	25.26833	41
TOC	mg/l	12	1.038	2.20342	3.288
Temperature	°C	12	4	14.85	26
Total nitrogen	mg/l	12	0.71	1.78017	2.735
Total phosphorus	mg/l	12	0.022	0.09014	0.241
Zinc (Zn)	µg/l	12	3.2	9.325	22
Zinc (Zn), dissolved	µg/l	12	1	2.95833	7
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.35	7.91	8.54

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 13
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.41	3.19333	4.32
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.13985	0.304

35.19	44.13
28.00	36.00
2.121	3.009
11.70	25.00
1.82	2.38
0.091	0.097
7.80	17.00
2.90	4.50
0.0025	0.0025
7.79	7.42

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km2 **2011**
m **RO4**

C50	C90
3.03	3.74
0.127	0.284

Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	1	1.9	1.9	1.9
Arsenic (As), dissolved	µg/l	10	< 0.5	1.16	1.6
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	26	< 0.25	1.82346	5.33
COD (Cr)	mg/l	12	18.64	24.12333	29.37
COD (Mn)	mg/l	12	2.62	3.355	4.16
Cadmium (Cd)	µg/l	1	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	11	44.8	58.68091	67.5
Chloride (Cl-)	mg/l	11	21.3	28.81	35.7
Chromium (Cr) - total	µg/l	1	3.8	3.8	3.8
Chromium (Cr), total	µg/l	12	1.5	2.6	3.7
Conductivity	µS/cm	15	387	478.4	592
Copper (Cu)	µg/l	1	3	3	3
Copper (Cu), dissolved	µg/l	12	1.9	2.84167	4.5
Dissolved oxygen	mg/l	26	6.16	9.07885	11.5
Flow	m3/s	365	2120	4826.5479	10640
Lead (Pb)	µg/l	1	4	4	4
Lead (Pb), dissolved	µg/l	12	< 0.15	2.4625	4.8
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	11	12.88	17.59727	25.2
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	1	< 0.0075	< 0.0075	< 0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00963	0.033
Nickel (Ni)	µg/l	1	1.7	1.7	1.7
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.86667	1.9
Nitrate (NO3-N)	mg/l	26	0.671	1.52862	3.29
Nitrite (NO2-N)	mg/l	26	0.011	0.02258	0.072
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.04869	0.123
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	10.71	15.80667	22.51
Potassium (K+)	mg/l	7	2.5	2.77143	3
Silicates(SiO2), dissolved	mg/l	26	2.14	2.69923	4.16
Sodium (Na+)	mg/l	7	18.4	18.8	20.2
Sulphate (SO4--)	mg/l	8	11.4	33.72875	56.34

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 13

0.05 0.05

1.60 1.60

0.0175 0.0175

1.79 2.92

24.60 26.61

3.20 3.82

0.075 0.075

60.28 67.50

28.88 35.40

2.50 3.70

478.00 564.00

2.70 3.60

9.07 6.74

4570.00 8120.00

2.20 3.50

0.0042 0.0042

16.53 20.67

0.0075 0.0075

0.50 1.70

1.532 2.24

0.019 0.049

0.042 0.103

0.006 0.006

3.00 3.00

2.48 3.60

20.20 20.20

56.34 56.34

Location:

Left

Determinand name	Unit	N	Min	Mean	Max
Suspended solids	mg/l	25	< 0.92	16.9168	85
Temperature	°C	26	2	13.18462	27
Total nitrogen	mg/l	26	0.944	2.04388	4.21
Total phosphorus	mg/l	26	0.011	0.06763	0.152
Zinc (Zn)	µg/l	1	1	1	1
Zinc (Zn), dissolved	µg/l	12	1	7.275	37.5
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	15	7.54	8.05333	8.35

River:

Danube

Catchment:

698600.00

Distance from mouth:

375

Altitude:

13

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.45	3.20417	4.37

C50	C90
11.00	36.00
12.50	24.00
2.05	2.91
0.072	0.141
1.00	37.50
0.0025	0.0025
8.15	7.69

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km2 2011
m RO4

C50	C90
3.03	3.74

Ammonium (NH ₄ -N)	mg/l	26	< 0.0125	0.11321	0.358
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	1	2.1	2.1	2.1
Arsenic (As), dissolved	µg/l	10	< 0.5	1.07	1.7
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	26	< 0.25	1.69077	5.54
COD (Cr)	mg/l	12	18.64	24.51417	29.37
COD (Mn)	mg/l	12	2.77	3.60417	4.96
Cadmium (Cd)	µg/l	1	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	11	45.21	56.18182	67.5
Chloride (Cl ⁻)	mg/l	11	20.6	28.45909	35.07
Chromium (Cr) - total	µg/l	1	3.9	3.9	3.9
Chromium (Cr), total	µg/l	12	1.2	2.31667	3.3
Conductivity	µS/cm	15	348	464.66667	593
Copper (Cu)	µg/l	1	3	3	3
Copper (Cu), dissolved	µg/l	12	2.1	3.04167	4.9
Dissolved oxygen	mg/l	26	6.56	9.18115	11.4
Flow	m ³ /s	365	2120	4826.5479	10640
Lead (Pb)	µg/l	1	4.2	4.2	4.2
Lead (Pb), dissolved	µg/l	12	< 0.15	2.15417	3.5
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	11	12.64	17.86909	25.29
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	1	< 0.0075	< 0.0075	< 0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00954	0.032
Nickel (Ni)	µg/l	1	1.8	1.8	1.8
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.55833	1.2
Nitrate (NO ₃ -N)	mg/l	26	0.644	1.60554	3.77
Nitrite (NO ₂ -N)	mg/l	25	0.009	0.02116	0.062
Orthophosphate (PO ₄ -P)	mg/l	26	0.01	0.04888	0.108
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	8.27	15.65667	22.54
Potassium (K ⁺)	mg/l	7	2.4	2.91429	3.2
Silicates(SiO ₂), dissolved	mg/l	26	1.99	2.74385	4.32
Sodium (Na ⁺)	mg/l	7	18	18.72857	19.8
Sulphate (SO ₄ --)	mg/l	8	13.1	29.775	42.29

River:

Danube

Catchment:

698600.00

0.092 0.248
0.05 0.05

1.70 1.70
0.0175 0.0175
1.70 2.66
24.48 28.92
3.38 4.04

0.075 0.075
54.84 63.20
28.40 34.70

2.20 3.10
472.00 572.00

2.50 3.80
8.93 7.08
4570.00 8120.00

2.00 2.70
0.0042 0.0042
17.00 20.60

0.0075 0.0075

0.50 0.50
1.60 2.32
0.015 0.047
0.042 0.096
0.006 0.006

3.20 3.20
2.61 4.12
19.80 19.80
42.29 42.29

Distance from mouth: 375 Altitude: 13
 Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Suspended solids	mg/l	25	2	16	65
Temperature	°C	26	2	13.00769	27
Total nitrogen	mg/l	26	0.904	2.10469	4.8
Total phosphorus	mg/l	26	0.015	0.0695	0.163
Zinc (Zn)	µg/l	1	1	1	1
Zinc (Zn), dissolved	µg/l	12	1	7.25833	37.5
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	15	7.72	8.07133	8.44

River: Danube Catchment: 698600.00
 Distance from mouth: 375 Altitude: 13
 Location: Right

Determinand name	Unit	N	Min	Mean	Max
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m RO4

C50	C90
10.00	34.00
12.50	24.00
2.08	2.91
0.072	0.135
1.00	37.50
0.0025	0.0025
8.06	7.85

km2 2011
m RO4

C50	C90
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Alkalinity - total	mmol/l	12	2.45	3.19667	4.37
Ammonium (NH ₄ -N)	mg/l	24	< 0.0125	0.13504	0.467
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	1	2.5	2.5	2.5
Arsenic (As), dissolved	µg/l	10	< 0.5	1.17	1.4
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	24	< 0.25	1.77292	4.94
COD (Cr)	mg/l	12	18.64	25.15917	29.37
COD (Mn)	mg/l	12	3.23	3.60917	4
Cadmium (Cd)	µg/l	1	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	11	48.8	55.08636	63.28
Chloride (Cl ⁻)	mg/l	11	22	29.78	36.5
Chromium (Cr) - total	µg/l	1	3.5	3.5	3.5
Chromium (Cr), total	µg/l	12	1.1	2.45	3.6
Conductivity	µS/cm	15	349	464.8	595
Copper (Cu)	µg/l	1	3.4	3.4	3.4
Copper (Cu), dissolved	µg/l	12	1.6	3.03333	5.2
Dissolved oxygen	mg/l	24	6.25	9.08875	11.45
Flow	m ³ /s	365	2120	4826.5479	10640
Lead (Pb)	µg/l	1	4.5	4.5	4.5
Lead (Pb), dissolved	µg/l	12	< 0.15	2.1375	2.9
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	11	13.6	18.49545	27.48
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	1	< 0.0075	< 0.0075	< 0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00979	0.035
Nickel (Ni)	µg/l	1	< 0.5	< 0.5	< 0.5
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.69167	1.9
Nitrate (NO ₃ -N)	mg/l	24	0.61	1.63879	4.041
Nitrite (NO ₂ -N)	mg/l	24	0.008	0.02042	0.062
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.0035	0.04638	0.124
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	8.21	14.46667	23.39
Potassium (K ⁺)	mg/l	7	2.5	2.85714	3.2
Silicates(SiO ₂), dissolved	mg/l	26	2.17	2.875	4.61
Sodium (Na ⁺)	mg/l	7	17.8	18.51429	20
Sulphate (SO ₄ ⁻⁻)	mg/l	8	13	28.94625	44.03

3.03	3.68
0.105	0.287
0.05	0.05

1.40	1.40
0.0175	0.0175
1.60	3.05
24.60	28.51
3.57	4.00

0.075	0.075
53.95	60.00
28.49	36.45

2.50	3.30
466.00	577.00

2.70	3.80
8.78	7.09
4570.00	8120.00

2.10	2.80
0.0042	0.0042
16.50	20.67

0.0075	0.0075
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0.50	1.40
1.498	2.46
0.015	0.05
0.037	0.104
0.006	0.006

3.20	3.20
2.58	4.38
20.00	20.00
44.03	44.03

River: Danube **Catchment:** 698600.00
Distance from mouth: 375 **Altitude:** 13
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Suspended solids	mg/l	23	2	18.21739	115
Temperature	°C	24	2	13.57083	27
Total nitrogen	mg/l	24	0.986	2.1785	4.9
Total phosphorus	mg/l	24	0.011	0.06358	0.153
Zinc (Zn)	µg/l	1	1	1	1
Zinc (Zn), dissolved	µg/l	12	1	7.26667	37.5
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025
pH	-	15	7.64	8.052	8.43

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Left

km2 2011
m RO4

C50	C90
10.00	35.00
12.50	24.00
2.008	3.35
0.05	0.128
1.00	37.50
0.0025	0.0025
8.02	7.89

km2 2011
m RO5

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.45	3.18583	4.06
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.15702	0.436
Anionic active surfactants	mg/l	10	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	13	1.3	1.81538	3
Arsenic (As), dissolved	µg/l	21	< 0.5	1.22381	1.9
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	26	< 0.25	2.10346	3.65
COD (Cr)	mg/l	11	18.64	25.19182	30.41
COD (Mn)	mg/l	12	2.77	3.52083	4.68
Cadmium (Cd)	µg/l	15	< 0.075	0.10033	0.3
Cadmium (Cd), dissolved	µg/l	25	< 0.075	0.0808	0.22
Calcium (Ca++)	mg/l	12	50.6	57.8675	67.5
Chloride (Cl-)	mg/l	14	24.34	31.61	35.4
Chromium (Cr) - total	µg/l	15	2.2	3.64	6
Chromium (Cr), total	µg/l	25	1.3	2.268	3.8
Conductivity	µS/cm	13	391	484.23077	614
Copper (Cu)	µg/l	15	3	4.03333	5.2
Copper (Cu), dissolved	µg/l	25	1.9	2.6	4.2
Dissolved oxygen	mg/l	26	6.42	10.045	13.4
Flow	m3/s	365	2370	5302.8493	11720
Iron (Fe)	mg/l	11	0.23	0.45364	0.87
Lead (Pb)	µg/l	15	< 0.15	3.21667	4.8
Lead (Pb), dissolved	µg/l	25	< 0.15	2.14	3.4
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	13.6	17.2825	25.5
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	15	< 0.0075	0.0145	0.06
Mercury (Hg), dissolved	µg/l	25	< 0.0075	0.01042	0.044
Nickel (Ni)	µg/l	15	< 0.5	1.52667	2.4
Nickel (Ni), dissolved	µg/l	25	< 0.5	0.716	1.7
Nitrate (NO3-N)	mg/l	26	0.22	1.53123	2.54
Nitrite (NO2-N)	mg/l	26	0.009	0.03031	0.077
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.04663	0.109
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	9.27	11.71667	14.9
Potassium (K+)	mg/l	5	2.7	2.88	3
Silicates(SiO2), dissolved	mg/l	26	1.55	2.27385	3.9
Sodium (Na+)	mg/l	5	17.6	18.54	19.7

C50	C90
3.15	3.69
0.124	0.333
0.05	0.05
1.70	2.50
1.20	1.60
0.0175	0.0175
2.17	3.27
24.48	29.52
3.26	4.55
0.075	0.23
0.075	0.075
56.51	61.66
32.65	35.40
3.00	5.50
2.00	3.00
462.00	608.00
3.90	5.00
2.50	3.30
10.35	7.28
4860.00	9300.00
0.45	0.56
3.50	4.50
2.10	3.10
0.0042	0.0042
16.05	23.10
0.0075	0.06
0.0075	0.0075
1.60	2.00
0.50	1.60
1.483	2.48
0.027	0.052
0.048	0.084
0.006	0.006
3.00	3.00
2.02	3.50
19.70	19.70

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	7	22.16	36.03714	45.06
Suspended solids	mg/l	25	2	26.24	179
Temperature	°C	25	1.5	13.852	26.3
Total nitrogen	mg/l	26	0.881	2.04804	3.39
Total phosphorus	mg/l	26	< 0.0035	0.06598	0.203
Zinc (Zn)	µg/l	15	1	1.42667	4.4
Zinc (Zn), dissolved	µg/l	25	1	1.144	2.8
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	13	7.44	7.86923	8.22

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4

km2 2011
m RO5

C50	C90
45.06	45.06
14.00	57.00
11.20	26.00
1.91	3.14
0.065	0.117
1.00	4.00
1.00	1.00
0.0025	0.0025
7.86	7.45

km2 2011
m RO5

Location:**Middle**

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.41	3.19583	4.06
Ammonium (NH ₄ -N)	mg/l	26	< 0.0125	0.14292	0.366
Anionic active surfactants	mg/l	10	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	13	1.3	1.78462	3
Arsenic (As), dissolved	µg/l	21	< 0.5	1.24286	2.1
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	26	0.99	2.065	3.5
COD (Cr)	mg/l	12	18.64	25.79917	33.74
COD (Mn)	mg/l	12	2.83	3.65417	5.87
Cadmium (Cd)	µg/l	15	< 0.075	0.10233	0.3
Cadmium (Cd), dissolved	µg/l	25	< 0.075	0.0804	0.21
Calcium (Ca ⁺⁺)	mg/l	12	46.4	56.86	63.28
Chloride (Cl ⁻)	mg/l	14	22.91	32.17357	36.82
Chromium (Cr) - total	µg/l	15	2.6	3.66667	5.1
Chromium (Cr), total	µg/l	25	1.3	2.284	3.3
Conductivity	µS/cm	13	376	479.38462	621
Copper (Cu)	µg/l	15	3.1	4.07333	5.2
Copper (Cu), dissolved	µg/l	25	2.1	2.776	4.5
Dissolved oxygen	mg/l	26	7.01	9.97423	13.3
Flow	m ³ /s	365	2370	5302.8493	11720
Iron (Fe)	mg/l	11	0.3	0.47364	0.75
Lead (Pb)	µg/l	15	< 0.15	3.38333	5
Lead (Pb), dissolved	µg/l	25	< 0.15	2.154	3.7
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	12.88	17.52333	25.5
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	15	< 0.0075	0.0143	0.06
Mercury (Hg), dissolved	µg/l	25	< 0.0075	0.01034	0.045
Nickel (Ni)	µg/l	15	< 0.5	1.41333	2.5
Nickel (Ni), dissolved	µg/l	25	< 0.5	0.708	1.8
Nitrate (NO ₃ -N)	mg/l	26	< 0.003	1.43619	2.63
Nitrite (NO ₂ -N)	mg/l	26	0.011	0.02988	0.069
Orthophosphate (PO ₄ -P)	mg/l	26	< 0.0035	0.05321	0.122
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	9.55	12.95	15.08
Potassium (K ⁺)	mg/l	5	2.5	2.9	3.1
Silicates(SiO ₂), dissolved	mg/l	26	1.56	2.26154	3.6
Sodium (Na ⁺)	mg/l	5	17.4	18.24	19.5

C50	C90
3.15	3.75
0.127	0.337
0.05	0.05
1.60	2.80
1.30	1.50
0.0175	0.0175
1.94	3.09
24.48	32.31
3.20	4.98
0.075	0.26
0.075	0.075
57.81	61.66
33.70	35.40
3.50	5.00
2.20	2.80
457.00	613.00
4.00	5.00
2.60	3.50
10.29	7.35
4860.00	9300.00
0.50	0.60
3.50	4.90
2.40	2.80
0.0042	0.0042
16.29	22.86
0.0075	0.057
0.0075	0.0075
1.70	2.20
0.50	1.60
1.489	2.427
0.029	0.051
0.052	0.092
0.006	0.006
3.10	3.10
1.99	3.31
19.50	19.50

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	7	19.84	33.17429	51.44
Suspended solids	mg/l	25	< 0.92	26.3968	177
Temperature	°C	25	1.5	13.812	26.4
Total nitrogen	mg/l	26	0.785	2.00669	3.6
Total phosphorus	mg/l	25	0.011	0.076	0.155
Zinc (Zn)	µg/l	15	1	1.46667	4.5
Zinc (Zn), dissolved	µg/l	25	1	1.14	3
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	13	7.39	7.89462	8.23

km2 2011
m RO5

C50	C90
51.44	51.44
16.00	55.00
11.20	26.00
1.87	3.19
0.07	0.148
1.00	4.50
1.00	1.00
0.0025	0.0025
7.99	7.55

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.49	3.22	4.06
Ammonium (NH ₄ -N)	mg/l	26	0.04	0.16515	0.402
Anionic active surfactants	mg/l	10	< 0.05	< 0.05	< 0.05
Arsenic (As)	µg/l	13	1.2	1.81538	3
Arsenic (As), dissolved	µg/l	21	< 0.5	1.2	1.8
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	26	1.01	2.15346	3.5
COD (Cr)	mg/l	12	18.64	25.1625	30.41
COD (Mn)	mg/l	12	2.83	3.54417	4.86
Cadmium (Cd)	µg/l	15	< 0.075	0.11167	0.4
Cadmium (Cd), dissolved	µg/l	25	< 0.075	0.082	0.25
Calcium (Ca ⁺⁺)	mg/l	12	52.74	58.50833	65.51
Chloride (Cl ⁻)	mg/l	14	23.63	32.07643	36.13
Chromium (Cr) - total	µg/l	15	2.5	3.58667	5
Chromium (Cr), total	µg/l	25	1.3	2.288	3.3
Conductivity	µS/cm	12	374	485.5	622
Copper (Cu)	µg/l	15	3.5	4.1	5.4
Copper (Cu), dissolved	µg/l	25	1.8	2.672	3.7
Dissolved oxygen	mg/l	26	6.75	10.00192	13.3
Flow	m ³ /s	365	2370	5302.8493	11720
Iron (Fe)	mg/l	11	0.27	0.44818	0.79
Lead (Pb)	µg/l	15	< 0.15	3.31667	5
Lead (Pb), dissolved	µg/l	25	< 0.15	2.176	3.5
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	11.43	17.77	25.29
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015
Mercury (Hg)	µg/l	15	< 0.0075	0.01363	0.055
Mercury (Hg), dissolved	µg/l	25	< 0.0075	0.01002	0.04
Nickel (Ni)	µg/l	15	< 0.5	1.21333	2.5
Nickel (Ni), dissolved	µg/l	25	< 0.5	0.536	1.4
Nitrate (NO ₃ -N)	mg/l	26	0.062	1.52862	2.69
Nitrite (NO ₂ -N)	mg/l	26	0.011	0.03104	0.062
Orthophosphate (PO ₄ -P)	mg/l	26	< 0.0035	0.05442	0.146
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	8.98	13.97	17.66
Potassium (K ⁺)	mg/l	5	2.5	2.86	3.2
Silicates(SiO ₂), dissolved	mg/l	26	1.56	2.34538	4.2
Sodium (Na ⁺)	mg/l	5	17.7	18.44	19.1

km2 2011

m RO5

C50	C90
3.26	3.75
0.16	0.335
0.05	0.05
1.60	2.90
1.20	1.50
0.0175	0.0175
2.24	3.25
24.48	29.52
3.26	4.83
0.075	0.30
0.075	0.075
56.51	65.51
33.30	35.43
3.20	5.00
2.30	3.00
462.00	614.00
4.00	5.00
2.60	3.50
10.08	7.38
4860.00	9300.00
0.40	0.65
3.50	5.00
2.40	2.80
0.0042	0.0042
17.99	23.35
0.0075	0.052
0.0075	0.0075
1.50	2.10
0.50	0.50
1.474	2.49
0.031	0.049
0.049	0.112
0.006	0.006
3.20	3.20
2.04	3.50
19.10	19.10

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	7	27.4	36.31857	47.67
Suspended solids	mg/l	25	2	27.4	183
Temperature	°C	25	1.5	13.864	27
Total nitrogen	mg/l	26	1.05	2.04327	3.56
Total phosphorus	mg/l	26	< 0.0035	0.07129	0.157
Zinc (Zn)	µg/l	15	1	1.44667	4.5
Zinc (Zn), dissolved	µg/l	25	1	1.124	3.1
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	13	6.58	7.81923	8.21

km2 2011
m RO5

C50	C90
47.67	47.67
21.00	43.00
11.20	26.00
1.864	3.19
0.071	0.138
1.00	4.20
1.00	1.00
0.0025	0.0025
7.98	7.54

River: Danube **Catchment:** 817000.00
Distance from mouth: 18 **Altitude:** 1
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.49	3.1925	4.06
Ammonium (NH ₄ -N)	mg/l	12	0.047	0.11717	0.185
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	1.1	1.48	2
Atrazine	µg/l	7	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.25	2.47083	4.24
COD (Cr)	mg/l	12	23.3	26	29.52
COD (Mn)	mg/l	12	3	3.55083	4.32
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08625	0.21
Calcium (Ca ⁺⁺)	mg/l	12	48.97	53.58167	67.81
Chloride (Cl ⁻)	mg/l	12	22.01	30.5375	35.5
Chromium (Cr), total	µg/l	12	1.5	2.46667	3.7
Conductivity	µS/cm	12	389	481.41667	610
Copper (Cu), dissolved	µg/l	12	1.9	2.50833	3.6
Dissolved oxygen	mg/l	12	7.69	10.18583	13.1
Lead (Pb), dissolved	µg/l	12	1.5	2.39167	3.5
Lindane (gamma-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	13.61	17.84	25.6
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01088	0.048
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.76667	1.8
Nitrate (NO ₃ -N)	mg/l	12	0.845	1.56625	2.46
Nitrite (NO ₂ -N)	mg/l	12	0.005	0.03333	0.059
Orthophosphate (PO ₄ -P)	mg/l	11	< 0.0035	0.04605	0.102
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	10.95	16.97	20.01
Potassium (K ⁺)	mg/l	5	2.4	2.9	3.3
Silicates(SiO ₂), dissolved	mg/l	12	2	2.71083	4.3
Sodium (Na ⁺)	mg/l	5	17.6	18.84	20.1
Sulphate (SO ₄ ⁻⁻)	mg/l	7	23.6	33.63571	41.33
Suspended solids	mg/l	12	3	20.5	80
Temperature	°C	12	1.5	14.20833	26.6
Total nitrogen	mg/l	12	1.02	2.00817	3.16
Total phosphorus	mg/l	12	0.023	0.0615	0.124
Zinc (Zn)	µg/l	1	1	1	1
Zinc (Zn), dissolved	µg/l	12	1	1.16667	3
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025

km2 2011
m RO6

C50	C90
3.12	3.69
0.111	0.164
0.05	0.05
2.00	2.00
0.0175	0.0175
2.12	3.80
24.69	29.37
3.29	4.25
0.075	0.075
52.40	56.51
31.26	35.42
2.40	3.50
472.00	522.00
2.50	2.90
9.67	8.72
2.30	3.00
0.0042	0.0042
16.54	21.16
0.0075	0.0075
0.50	1.70
1.58	2.19
0.033	0.058
0.041	0.095
0.006	0.006
3.30	3.30
2.16	3.80
20.10	20.10
41.33	41.33
10.00	42.00
11.20	25.50
1.808	2.75
0.051	0.118
1.00	1.00
0.0025	0.0025

pH - 12 7.61 7.92583 8.2

River: Danube **Catchment:** 817000.00
Distance from mouth: 18 **Altitude:** 1
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.45	3.19417	4.06
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.10796	0.19
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.24	1.7
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.21	2.37833	3.85
COD (Cr)	mg/l	12	18.64	24.71833	29.37
COD (Mn)	mg/l	12	2.4	3.295	4.22
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca++)	mg/l	12	45.21	53.28667	71.58
Chloride (Cl-)	mg/l	12	20.05	29.05917	34.73
Chromium (Cr), total	µg/l	12	1.1	2.38333	3.7
Conductivity	µS/cm	12	389	479.5	608
Copper (Cu), dissolved	µg/l	12	2	2.50833	3.2
Dissolved oxygen	mg/l	12	7.71	10.15583	13.1
Lead (Pb), dissolved	µg/l	12	1.7	2.5	3.8
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	11.67	17.2475	25.6
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01063	0.045
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.8	1.9
Nitrate (NO3-N)	mg/l	12	0.818	1.53617	2.522
Nitrite (NO2-N)	mg/l	12	0.014	0.03242	0.083
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.04579	0.096
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	10.41	17	20.72
Potassium (K+)	mg/l	5	2.3	3.04	3.7
Silicates(SiO2), dissolved	mg/l	12	1.99	2.71833	3.95
Sodium (Na+)	mg/l	5	18	18.82	19.5
Sulphate (SO4--)	mg/l	7	22.35	33.61714	42.36
Suspended solids	mg/l	12	< 0.92	17.91	64
Temperature	°C	12	1.5	14.225	26.5
Total nitrogen	mg/l	12	1.01	1.96442	3.24

7.88 7.77

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km2 2011
m RO6

C50	C90
3.17	3.69
0.096	0.18
0.05	0.05
1.70	1.70
0.0175	0.0175
2.15	3.80
24.60	28.08
3.35	3.91
0.075	0.075
50.10	63.28
29.57	33.35
2.20	3.20
474.00	524.00
2.40	3.00
9.90	8.54
2.40	3.10
0.0042	0.0042
16.05	20.92
0.0075	0.0075
0.50	1.70
1.37	2.08
0.021	0.056
0.043	0.08
0.006	0.006
3.70	3.70
2.45	3.75
19.50	19.50
42.36	42.36
12.00	33.00
11.10	25.70
1.792	2.65

Total phosphorus	mg/l	12	0.011	0.06142	0.12
Zinc (Zn), dissolved	µg/l	12	1	1.20833	3.5
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.56	7.945	8.21

River: Danube **Catchment:** 817000.00
Distance from mouth: 18 **Altitude:** 1
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.41	3.18667	4.06
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.11096	0.266
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.35	1.9
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.24	2.37667	3.94
COD (Cr)	mg/l	12	23.3	25.83583	29.52
COD (Mn)	mg/l	12	2.72	3.50833	4.2
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08708	0.22
Calcium (Ca ⁺⁺)	mg/l	12	42.2	53.56917	64.04
Chloride (Cl ⁻)	mg/l	12	21.48	29.2925	34.73
Chromium (Cr), total	µg/l	12	1.7	2.55	3.8
Conductivity	µS/cm	12	389	480.25	610
Copper (Cu), dissolved	µg/l	12	2.2	2.625	3.5
Dissolved oxygen	mg/l	12	7.79	10.19583	13.1
Lead (Pb), dissolved	µg/l	12	< 0.15	2.09583	3.1
Lindane (gamma-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	11.43	17.62833	25.4
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01029	0.041
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.56667	1.3
Nitrate (NO ₃ -N)	mg/l	12	0.868	1.5595	2.423
Nitrite (NO ₂ -N)	mg/l	12	0.016	0.03825	0.091
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.047	0.098
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	9.34	15.52667	19.16
Potassium (K ⁺)	mg/l	5	2.5	2.98	3.5
Silicates(SiO ₂), dissolved	mg/l	12	2.03	2.73	3.72
Sodium (Na ⁺)	mg/l	5	17.4	18.6	19.2

0.053 0.118
1.00 1.00
0.0025 0.0025
7.87 7.75

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km2 2011
m RO6

C50	C90
3.07	3.64
0.094	0.166
0.05	0.05
1.90	1.90
0.0175	0.0175
2.18	3.90
24.69	29.37
3.45	4.08
0.075	0.075
53.95	59.10
29.87	33.35
2.40	3.20
473.00	529.00
2.50	3.50
9.90	8.75
2.00	3.00
0.0042	0.0042
17.90	21.16
0.0075	0.0075
0.50	0.50
1.381	2.13
0.023	0.065
0.05	0.095
0.006	0.006
3.50	3.50
2.29	3.70
19.20	19.20

Sulphate (SO4--)	mg/l	7	15.73	31.66571	41.34
Suspended solids	mg/l	12	5	24.16667	126
Temperature	°C	12	1.5	14.19167	26.5
Total nitrogen	mg/l	12	1.13	1.98317	3.07
Total phosphorus	mg/l	12	0.01	0.06717	0.132
Zinc (Zn), dissolved	µg/l	12	1	1.20833	3.5
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.5	7.95	8.19

River: Danube **Catchment:** 817000.00
Distance from mouth: 0 **Altitude:** 1
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.49	3.20727	4.06
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.11838	0.287
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.19	1.9
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	2.58083	4.48
COD (Cr)	mg/l	12	23.3	26.48583	32.31
COD (Mn)	mg/l	12	2.76	3.71667	5.02
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.08875	0.24
Calcium (Ca++)	mg/l	11	52.4	60.86455	75.35
Chloride (Cl-)	mg/l	12	25.02	66.6925	457.2
Chromium (Cr), total	µg/l	12	1.5	2.39167	3.6
Conductivity	µS/cm	12	390	649.58333	2010
Copper (Cu), dissolved	µg/l	12	1.9	2.90833	3.8
Dissolved oxygen	mg/l	12	7.41	9.69	11.42
Lead (Pb), dissolved	µg/l	12	< 0.15	2.54583	3.8
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	11	10.2	18.69364	51.55
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01013	0.039
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.64167	1.6
Nitrate (NO3-N)	mg/l	12	0.92	1.55633	2.42
Nitrite (NO2-N)	mg/l	12	0.009	0.02783	0.063
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03546	0.081
Phenol index	mg/l	6	0.006	0.006	0.006

41.34	41.34
12.00	32.00
11.10	25.50
1.752	2.72
0.058	0.117
1.00	1.00
0.0025	0.0025
8.00	7.79

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km2 **2011**
m **RO7**

C50	C90
3.17	3.86
0.092	0.186
0.05	0.05
1.90	1.90
0.0175	0.0175
2.81	3.60
25.06	29.52
3.57	4.64
0.075	0.075
60.28	67.50
31.26	43.33
2.00	3.30
510.00	694.00
2.70	3.70
9.91	7.81
2.70	3.30
0.0042	0.0042
15.32	20.60
0.0075	0.0075
0.50	1.10
1.408	2.11
0.024	0.049
0.042	0.058
0.006	0.006

Phytoplankton (biomass - chlorophyll-a)	µg/l	3	6.76	8.87	10.51
Potassium (K+)	mg/l	5	2.8	3.24	3.8
Silicates(SiO ₂), dissolved	mg/l	12	1.99	2.63583	4.5
Sodium (Na+)	mg/l	5	17.2	19.26	22.6
Sulphate (SO ₄ ⁻⁻)	mg/l	7	15.3	34.32571	47.89
Suspended solids	mg/l	12	2	13.25	33
Temperature	°C	12	1.2	13.675	25.8
Total nitrogen	mg/l	12	1.09	1.96642	3.12
Total phosphorus	mg/l	12	0.007	0.05933	0.125
Zinc (Zn), dissolved	µg/l	12	1	1.23333	3.8
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	6.74	7.63167	8.07

River: Danube **Catchment:** 817000.00
Distance from mouth: 0 **Altitude:** 1
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.41	3.20455	4.06
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.13563	0.298
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.27	2
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	2.385	3.8
COD (Cr)	mg/l	12	23.14	25.61333	30.41
COD (Mn)	mg/l	12	2.91	3.54667	4.71
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.10625	0.45
Calcium (Ca ⁺⁺)	mg/l	11	53.95	60.09545	71.34
Chloride (Cl ⁻)	mg/l	12	23.6	68.5225	477
Chromium (Cr), total	µg/l	12	1.8	2.56667	3.5
Conductivity	µS/cm	12	388	632.25	2011
Copper (Cu), dissolved	µg/l	12	2.2	2.775	3.9
Dissolved oxygen	mg/l	12	7.69	9.8525	11.65
Lead (Pb), dissolved	µg/l	12	1.6	2.64167	4.1
Lindane (gamma-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	11	8.99	17.91636	49.12
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01054	0.044
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.78333	1.8

3.80	3.80
2.20	3.44
22.60	22.60
47.89	47.89
10.00	31.00
11.00	25.00
1.788	2.63
0.054	0.114
1.00	1.00
0.0025	0.0025
7.74	7.16

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km2 **2011**
m **RO7**

C50	C90
3.17	3.91
0.12	0.275
0.05	0.05
2.00	2.00
0.0175	0.0175
2.41	3.50
24.48	29.52
3.36	4.00
0.075	0.075
59.10	63.20
31.27	44.70
2.50	3.10
499.00	760.00
2.50	3.50
9.80	8.18
2.50	3.50
0.0042	0.0042
15.80	17.99
0.0075	0.0075
0.50	1.70

Nitrate (NO ₃ -N)	mg/l	12	0.854	1.48217	2.19
Nitrite (NO ₂ -N)	mg/l	12	0.013	0.03317	0.083
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.03467	0.079
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	3.8	5.32	6.87
Potassium (K ⁺)	mg/l	5	2.8	3.18	3.6
Silicates(SiO ₂), dissolved	mg/l	12	2.04	2.60917	3.88
Sodium (Na ⁺)	mg/l	4	17.6	18.425	19.2
Sulphate (SO ₄ ⁻⁻)	mg/l	7	15.5	35.35857	50.72
Suspended solids	mg/l	12	< 0.92	14.66	32
Temperature	°C	12	1.2	13.9	26
Total nitrogen	mg/l	12	1.3	2.02125	2.74
Total phosphorus	mg/l	12	0.009	0.05417	0.142
Zinc (Zn), dissolved	µg/l	12	1	1.25	4
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	6.69	7.55833	8.14

River: Danube **Catchment:** 817000.00
Distance from mouth: 0 **Altitude:** 1
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.45	3.22182	4.06
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.12546	0.263
Anionic active surfactants	mg/l	9	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.42	2.5
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	< 0.25	2.13333	3.63
COD (Cr)	mg/l	12	23.3	26.03333	30.86
COD (Mn)	mg/l	12	3.05	3.70667	5.12
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.10458	0.43
Calcium (Ca ⁺⁺)	mg/l	10	48.97	55.136	64.04
Chloride (Cl ⁻)	mg/l	12	22.2	68.12083	470.7
Chromium (Cr), total	µg/l	12	1.3	2.36667	3.3
Conductivity	µS/cm	12	390	633.25	2004
Copper (Cu), dissolved	µg/l	12	2.1	2.71667	3.5
Dissolved oxygen	mg/l	12	7.48	9.69667	11.3
Lead (Pb), dissolved	µg/l	12	< 0.15	2.34167	3.6

1.444	2.14
0.024	0.054
0.038	0.053
0.006	0.006
3.60	3.60
2.17	3.65
19.20	19.20
50.72	50.72
11.00	32.00
11.00	25.10
1.85	2.73
0.047	0.115
1.00	1.00
0.0025	0.0025
7.62	6.77

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km2 **2011**
m **RO7**

C50	C90
3.22	3.91
0.106	0.257
0.05	0.05
2.50	2.50
0.0175	0.0175
1.69	3.50
24.48	30.41
3.57	4.55
0.075	0.075
64.04	64.04
31.96	44.01
2.30	3.00
498.00	761.00
2.50	3.20
9.98	7.72
2.40	3.50

Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	11	12.88	20.22273	53.74
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01063	0.045
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.775	1.7
Nitrate (NO3-N)	mg/l	12	0.838	1.55692	2.33
Nitrite (NO2-N)	mg/l	12	0.013	0.03492	0.067
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03496	0.086
Phenol index	mg/l	7	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	5.54	5.89667	6.09
Potassium (K+)	mg/l	5	2.3	3.04	3.5
Silicates(SiO2), dissolved	mg/l	12	1.98	2.5725	4.22
Sodium (Na+)	mg/l	5	17.8	19.36	23.2
Sulphate (SO4--)	mg/l	7	21.6	35.87571	50.26
Suspended solids	mg/l	12	2	14.83333	30
Temperature	°C	12	1.2	13.9	25.8
Total nitrogen	mg/l	12	1.13	2.03825	3.04
Total phosphorus	mg/l	12	0.014	0.06375	0.127
Zinc (Zn), dissolved	µg/l	12	1	1.20833	3.5
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	6.86	7.47333	8.1

River: Danube **Catchment:** 817000.00
Distance from mouth: 0 **Altitude:** 1
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.45	3.17333	3.95
Ammonium (NH4-N)	mg/l	12	0.035	0.13158	0.288
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.16	1.7
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.07	2.39	3.94
COD (Cr)	mg/l	12	23.3	25.76	32.31
COD (Mn)	mg/l	12	3.06	3.705	5.33
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.09542	0.32
Calcium (Ca++)	mg/l	12	46.4	58.44833	71.58
Chloride (Cl-)	mg/l	12	23.6	30.90417	35.5
Chromium (Cr), total	µg/l	12	1.5	1.975	2.8

0.0042	0.0042
16.05	25.78
0.0075	0.0075
0.50	1.60
1.41	2.26
0.024	0.065
0.019	0.067
0.006	0.006
3.50	3.50
2.21	3.09
23.20	23.20
50.26	50.26
17.00	25.00
11.30	25.00
2.04	2.77
0.054	0.10
1.00	1.00
0.0025	0.0025
7.58	6.90

km2 2011
m RO8

C50	C90
3.03	3.69
0.131	0.179
0.05	0.05
1.70	1.70
0.0175	0.0175
2.31	3.01
24.48	29.52
3.20	4.51
0.075	0.075
57.80	63.28
32.65	34.74
1.90	2.50

488.00	560.00
2.00	3.00
8.36	7.36
2.00	2.70
0.0042	0.0042
15.50	18.73
0.0075	0.0075
0.50	1.10
1.555	2.42
0.024	0.048
0.044	0.091
0.006	0.006
3.80	3.80
2.42	3.05
18.40	18.40
46.50	46.50
10.00	32.00
11.20	25.50
1.94	3.02
0.052	0.124
1.00	1.00
0.0025	0.0025
7.84	7.58

km2 2011
m RO8

C50	C90
3.03	3.64
0.101	0.271
0.05	0.05
2.00	2.00
0.0175	0.0175
2.00	2.89
23.52	29.52
3.05	4.66

Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.09042	0.26
Calcium (Ca ⁺⁺)	mg/l	12	42.2	56.81833	75.35
Chloride (Cl ⁻)	mg/l	12	24.76	30.87917	36.79
Chromium (Cr), total	µg/l	12	1.5	2.5	6.6
Conductivity	µS/cm	12	379	478.91667	600
Copper (Cu), dissolved	µg/l	12	1.5	2.29167	3.3
Dissolved oxygen	mg/l	12	7.29	9.37917	12.1
Lead (Pb), dissolved	µg/l	12	< 0.15	1.93333	3.2
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	9.24	15.54667	25.4
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01029	0.041
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.54167	1
Nitrate (NO ₃ -N)	mg/l	12	0.913	1.49617	2.26
Nitrite (NO ₂ -N)	mg/l	12	0.009	0.03733	0.099
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.0455	0.103
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	5.74	7.89	9.44
Potassium (K ⁺)	mg/l	5	2.8	3.08	3.6
Silicates(SiO ₂), dissolved	mg/l	12	1.8	2.58167	3.5
Sodium (Na ⁺)	mg/l	5	17.2	18.08	19.6
Sulphate (SO ₄ ⁻⁻)	mg/l	7	21.54	34.99714	53.28
Suspended solids	mg/l	12	2	16.66667	53
Temperature	°C	12	1.5	13.925	26.2
Total nitrogen	mg/l	12	1.09	1.97125	2.96
Total phosphorus	mg/l	12	< 0.0035	0.07371	0.156
Zinc (Zn), dissolved	µg/l	12	1	1.15833	2.9
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.44	7.88167	8.21

River: Danube **Catchment:** 817000.00
Distance from mouth: 0 **Altitude:** 1
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.41	3.19	3.95
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.13438	0.299
Anionic active surfactants	mg/l	8	< 0.05	< 0.05	< 0.05
Arsenic (As), dissolved	µg/l	10	< 0.5	1.12	1.6

0.075	0.075
56.40	63.28
31.27	35.50
2.20	2.70
481.00	560.00
2.20	2.50
8.21	7.52
2.10	2.60
0.0042	0.0042
15.80	18.73
0.0075	0.0075
0.50	0.50
1.379	2.01
0.025	0.063
0.044	0.095
0.006	0.006
3.60	3.60
2.77	3.25
19.60	19.60
53.28	53.28
13.00	30.00
11.20	25.50
1.76	2.86
0.055	0.137
1.00	1.00
0.0025	0.0025
7.86	7.49

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km2 **2011**
m **RO8**

C50	C90
3.07	3.64
0.114	0.263
0.05	0.05
1.60	1.60

Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	1.22	2.3325	3.54
COD (Cr)	mg/l	12	22.63	25.42417	32.31
COD (Mn)	mg/l	12	2.56	3.53667	5.17
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.11042	0.5
Calcium (Ca++)	mg/l	12	50.6	56.51833	67.81
Chloride (Cl-)	mg/l	11	22.9	30.05727	35.5
Chromium (Cr), total	µg/l	12	1.9	2.29167	2.7
Conductivity	µS/cm	12	249	468.58333	585
Copper (Cu), dissolved	µg/l	12	1.8	2.375	3.5
Dissolved oxygen	mg/l	12	6.95	9.39	12.26
Lead (Pb), dissolved	µg/l	12	< 0.15	1.89583	3.5
Lindane (gama-HCH)	µg/l	8	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg++)	mg/l	12	13.6	17.50083	25.6
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01021	0.04
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.69167	1.9
Nitrate (NO3-N)	mg/l	12	0.832	1.48833	2.29
Nitrite (NO2-N)	mg/l	12	0.013	0.03392	0.102
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.04496	0.091
Phenol index	mg/l	6	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	5.87	7.63333	8.94
Potassium (K+)	mg/l	5	2.5	2.94	3.2
Silicates(SiO2), dissolved	mg/l	12	1.93	2.57667	3.52
Sodium (Na+)	mg/l	5	17.4	18.26	19.5
Sulphate (SO4--)	mg/l	7	20.41	35.42714	56.7
Suspended solids	mg/l	12	< 0.92	12.99333	46
Temperature	°C	12	1.5	13.90833	26.2
Total nitrogen	mg/l	12	0.94	1.999	2.86
Total phosphorus	mg/l	12	< 0.0035	0.10563	0.278
Zinc (Zn), dissolved	µg/l	12	1	1.16667	3
p,p'-DDT	µg/l	8	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.5	7.85583	8.16

River: Arges **Catchment:** 12550.00
Distance from mouth: 0 **Altitude:** 14
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
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0.0175	0.0175
1.99	2.99
23.57	29.52
3.20	4.66
0.075	0.075
53.95	60.00
31.96	33.70
2.30	2.60
486.00	561.00
2.10	2.80
8.52	7.42
2.20	2.80
0.0042	0.0042
16.29	20.92
0.0075	0.0075
0.50	1.40
1.349	2.14
0.021	0.05
0.048	0.086
0.006	0.006
3.20	3.20
2.68	3.20
19.50	19.50
56.70	56.70
9.00	30.00
11.20	25.50
1.89	2.77
0.072	0.187
1.00	1.00
0.0025	0.0025
7.84	7.54

km2 2011
m RO9

C50	C90
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AOX	µg/l	12	23	31.75	53
Alkalinity - total	mmol/l	12	2.445	3.21658	4.084
Ammonium (NH ₄ -N)	mg/l	12	0.839	2.56252	5.3
Anionic active surfactants	mg/l	12	< 0.05	0.0885	0.112
Arsenic (As)	µg/l	12	< 0.5	1.59167	2.9
Arsenic (As), dissolved	µg/l	12	< 0.5	0.725	1.3
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175
BOD (5)	mg/l	12	3.2	4.05333	5.1
COD (Cr)	mg/l	12	15.6	20.25	25.2
COD (Mn)	mg/l	12	4.16	6.24917	9.92
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075
Calcium (Ca ⁺⁺)	mg/l	12	47.04	61.0275	77.19
Chloride (Cl ⁻)	mg/l	12	31.15	44.76525	88.89
Chromium (Cr) - total	µg/l	12	< 0.5	3.03417	9.3
Chromium (Cr), total	µg/l	12	< 0.5	0.75833	2.3
Conductivity	µS/cm	12	363	452.75	547
Copper (Cu)	µg/l	12	1.4	3.34167	6
Copper (Cu), dissolved	µg/l	12	1.1	2.15	3.7
Dissolved oxygen	mg/l	12	5.17	7.7675	11.63
Iron (Fe)	mg/l	12	0.3689	0.95473	2.5399
Lead (Pb)	µg/l	12	< 0.15	1.94083	5.9
Lead (Pb), dissolved	µg/l	12	< 0.15	0.25167	0.76
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425
Magnesium (Mg ⁺⁺)	mg/l	12	9.41	12.20583	15.44
Manganese (Mn)	mg/l	12	0.0351	0.18268	0.521
Mercury (Hg)	µg/l	6	0.11	0.22	0.36
Mercury (Hg), dissolved	µg/l	6	< 0.0075	0.06333	0.23
Nickel (Ni)	µg/l	12	1.6	2.96667	4.6
Nickel (Ni), dissolved	µg/l	12	1.1	2.05833	3.6
Nitrate (NO ₃ -N)	mg/l	12	0.348	0.85307	1.579
Nitrite (NO ₂ -N)	mg/l	12	0.052	0.08003	0.156
Orthophosphate (PO ₄ -P)	mg/l	12	0.11	0.37566	1.75
Phenol index	mg/l	12	< 0.0025	0.00871	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	7.1	12.87333	23.21
Potassium (K ⁺)	mg/l	12	2.2	3.39167	4.8
Silicates(SiO ₂), dissolved	mg/l	12	12.3	15.375	18.7
Sodium (Na ⁺)	mg/l	12	18.6	29.45833	57.6

30.00	44.00
2.972	4.012
1.899	4.705
0.10	0.10
1.60	2.40
0.50	1.20
0.0175	0.0175
3.80	4.80
19.50	23.70
5.63	9.66
0.075	0.075
0.075	0.075
55.51	75.83
36.52	59.726
2.20	7.50
0.50	1.30
430.00	536.00
2.60	5.50
2.00	2.80
6.98	5.31
0.7151	1.763
1.20	5.40
0.15	0.49
0.0042	0.0042
11.10	15.17
0.1295	0.3523
0.36	0.36
0.23	0.23
2.70	4.60
1.90	2.90
0.799	1.248
0.071	0.1091
0.20	0.606
0.01	0.01
23.21	23.21
3.20	4.40
14.20	18.40
26.80	34.30

River: Arges **Catchment:** 12550.00
Distance from mouth: 0 **Altitude:** 14
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	12	42.52	51.09	69.5
Suspended solids	mg/l	12	36.4	60.075	90
TOC	mg/l	12	3.609	5.37242	7.351
Temperature	°C	12	2.5	14.88333	26.5
Total nitrogen	mg/l	12	1.874	4.118	7.868
Total phosphorus	mg/l	12	0.154	0.51954	2.44
Zinc (Zn)	µg/l	12	5.2	10.35833	23
Zinc (Zn), dissolved	µg/l	12	3	5.525	7.6
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025
pH	-	12	7.24	7.57833	7.95

River: Danube **Catchment:** 210250.00
Distance from mouth: 1427 **Altitude:** 83

km2 2011
m RO9

C50	C90
49.17	57.91
54.00	87.00
5.294	6.826
11.00	25.00
3.806	6.059
0.28	0.836
7.90	23.00
5.90	7.50
0.0025	0.0025
7.53	7.25

km2 2011
m RS1

Location:

Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3	3.48333	4.3
Aluminium (Al), dissolved	µg/l	12	< 5	13.08333	28
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.04667	0.13
Anionic active surfactants	mg/l	12	0.01	0.02333	0.03
Arsenic (As), dissolved	µg/l	12	1	1.08333	2
Atrazine	µg/l	12	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	12	1	2.50833	5.8
COD (Cr)	mg/l	12	< 2.5	13.04167	24
COD (Mn)	mg/l	12	3	5.05833	10
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.01646	0.07
Calcium (Ca ⁺⁺)	mg/l	12	48	57.91667	71
Chloride (Cl ⁻)	mg/l	12	16	24.83333	35
Chromium (Cr), total	µg/l	12	< 0.25	< 0.25	< 0.25
Conductivity	µS/cm	12	370	478.08333	603
Copper (Cu), dissolved	µg/l	12	1	4.36667	14.1
Dissolved oxygen	mg/l	12	8.4	11.36667	14.6
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Lindane (gamma-HCH)	µg/l	12	< 0.0005	< 0.002	< 0.0025
Magnesium (Mg ⁺⁺)	mg/l	12	9	18	31
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	12	0.9	2.5	7.3
Nitrate (NO ₃ -N)	mg/l	12	1.01	1.55667	2.37
Nitrite (NO ₂ -N)	mg/l	12	0.006	0.01458	0.025
Organic nitrogen	mg/l	12	0.3	1.14167	2.7
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.0405	0.07
Petroleum hydrocarbons	mg/l	12	< 0.01	< 0.01	< 0.01
Phenol index	mg/l	11	< 0.001	0.00173	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	2.4	25.52727	114.9
Potassium (K ⁺)	mg/l	11	2	2.71818	3.4
Silicates(SiO ₂), dissolved	mg/l	12	0.6	6.875	11.4
Sodium (Na ⁺)	mg/l	11	11.3	16.70909	22.1
Sulphate (SO ₄ ⁻⁻)	mg/l	12	28	41.41667	55
Suspended solids	mg/l	12	7	15	22
TOC	mg/l	11	2.1	4.77273	9.4
Temperature	°C	12	1.5	12.86667	22.6
Total nitrogen	mg/l	12	1.5	2.75833	3.9
Total phosphorus	mg/l	12	0.076	0.102	0.154
Zinc (Zn), dissolved	µg/l	12	1	9.75	29

C50	C90
3.20	4.20
13.00	28.00
0.02	0.11
0.02	0.03
1.00	1.00
0.01	0.01
1.70	4.60
11.00	19.00
4.40	6.60
0.0125	0.0125
56.00	68.00
22.00	34.00
0.25	0.25
459.00	597.00
3.10	7.90
12.10	8.50
0.25	0.25
0.0025	0.0025
17.00	25.00
0.10	0.10
1.60	4.40
1.41	2.23
0.015	0.022
0.70	2.50
0.048	0.063
0.01	0.01
0.001	0.003
13.00	52.10
2.90	3.20
6.70	9.70
15.60	20.70
38.00	50.00
14.00	20.00
4.70	6.80
13.00	20.30
2.50	3.80
0.096	0.122
6.00	20.00

River: Danube **Catchment:** 210250.00
Distance from mouth: 1427 **Altitude:** 83
Location: Left

Determinand name	Unit	N	Min	Mean	Max
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025
pH	-	12	8	8.25	8.8

River: Tisa **Catchment:** 140130.00
Distance from mouth: 152 **Altitude:** 76
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.2	3.2	4.6
Aluminium (Al), dissolved	µg/l	12	< 5	107.75	768
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.07417	0.23

km2 2011
m RS1

C50	C90
0.0025	0.0025
8.10	8.10

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km2 2011
m RS10

C50	C90
3.10	4.10
12.00	295.00
0.04	0.17

0.01	0.03
2.00	2.00
0.01	0.01
1.90	3.10
12.00	20.00
4.60	5.50
0.0125	0.08
52.00	68.00
37.00	54.00
1.30	2.00
492.00	708.00
3.90	16.00
10.70	7.50
0.25	3.00
0.0025	0.0025
11.00	18.00
0.10	0.10
1.40	3.70
0.68	1.54
0.018	0.022
0.30	1.00
0.032	0.055
0.01	0.01
0.002	0.003
14.20	34.40
4.00	4.80
7.10	13.10
33.50	49.00
50.00	75.00
26.00	50.00
4.00	5.00
12.30	25.30
1.60	2.20
0.107	0.234
11.00	25.00

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km2 **2011**
m **RS10**

C50	C90
0.0025	0.0025
8.00	7.90

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km2 2011
m RS11

C50	C90
3.30	4.10
51.00	178.00
0.07	0.21
0.05	0.05
2.00	3.00
1.80	2.50
4.60	6.00
0.0125	0.10

53.00 63.00
38.00 46.00
0.70 2.00
527.00 661.00
3.80 17.00
8.80 6.00
0.25 3.00

14.00 17.00
0.10 0.20
2.90 13.20
0.91 1.15
0.019 0.025
0.50 1.10
0.059 0.08
0.027 0.027

14.20 14.20
4.00 4.30
13.60 13.60
36.20 48.80
53.00 71.00
24.00 53.00
6.90 6.90
18.40 24.90
1.40 2.40
0.143 0.172
16.00 45.00

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km2 2011
m RS11

C50	C90
7.90	7.90

km2 2011
m RS12

C50	C90
4.20	4.20
115.00	115.00
0.27	0.27
3.00	3.00
3.60	3.60
6.20	6.20
0.03	0.03
67.00	67.00
55.00	55.00
1.80	1.80

Conductivity	µS/cm	10	329	543.7	664
Copper (Cu), dissolved	µg/l	10	1.6	5.77	17.9
Dissolved oxygen	mg/l	10	5.4	9.36	12.9
Lead (Pb), dissolved	µg/l	10	< 0.25	0.325	1
Lindane (gama-HCH)	µg/l	1	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg++)	mg/l	10	8	13	17
Mercury (Hg), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	10	0.7	4.89	11.4
Nitrate (NO3-N)	mg/l	10	0.63	0.914	1.36
Nitrite (NO2-N)	mg/l	10	0.012	0.0203	0.033
Organic nitrogen	mg/l	10	0.1	0.58	1.5
Orthophosphate (PO4-P)	mg/l	10	0.038	0.0623	0.09
Petroleum hydrocarbons	mg/l	2	< 0.01	< 0.01	< 0.01
Phenol index	mg/l	3	< 0.001	0.00133	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	< 1	4.8	13
Potassium (K+)	mg/l	10	3	3.9	4.9
Silicates(SiO2), dissolved	mg/l	9	3.7	9.67778	14
Sodium (Na+)	mg/l	10	17.4	36.11	48
Sulphate (SO4--)	mg/l	10	35	56.1	76
Suspended solids	mg/l	10	7	33.6	65
TOC	mg/l	9	1.6	3.36667	5.1
Temperature	°C	10	1.2	12.61	25
Total nitrogen	mg/l	10	0.8	1.64	2.7
Total phosphorus	mg/l	10	0.079	0.1253	0.198
Zinc (Zn), dissolved	µg/l	10	< 0.5	14.85	35
p,p'-DDT	µg/l	1	< 0.0025	< 0.0025	< 0.0025

River: Tisa **Catchment:** 157147.00
Distance from mouth: 9 **Altitude:** 73
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
pH	-	10	7.9	8.02	8.3

664.00 664.00
17.90 17.90
5.40 5.40
1.00 1.00

17.00 17.00
0.10 0.10
11.40 11.40
1.36 1.36
0.033 0.033
1.50 1.50
0.09 0.09

13.00 13.00
4.90 4.90
14.00 14.00
48.00 48.00
76.00 76.00
65.00 65.00
5.10 5.10
25.00 25.00
2.70 2.70
0.198 0.198
35.00 35.00

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km2 2011
m RS12

C50	C90
7.90	7.90

River: Sava **Catchment:** 64073.00
Distance from mouth: 195 **Altitude:** 78
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.6	3.975	4.8
Aluminium (Al), dissolved	µg/l	12	< 5	9.16667	22
Ammonium (NH ₄ -N)	mg/l	12	0.01	0.07167	0.16
Anionic active surfactants	mg/l	6	< 0.005	< 0.005	< 0.005
Arsenic (As), dissolved	µg/l	12	1	1.16667	2
Atrazine	µg/l	2	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	12	1	1.66667	2.4
COD (Mn)	mg/l	12	1.8	2.45	4.3
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.02063	0.05
Calcium (Ca ⁺⁺)	mg/l	12	48	64.83333	76
Chloride (Cl ⁻)	mg/l	12	12	26.33333	41
Chromium (Cr), total	µg/l	12	< 0.25	1.125	4.9

km2 2011
m RS13

C50	C90
3.90	4.20
5.00	17.00
0.07	0.11
0.005	0.005
1.00	2.00
1.80	2.10
2.20	2.90
0.0125	0.04
65.00	71.00
26.00	37.00
0.70	1.60

481.00	541.00
3.50	8.00
8.80	6.90
0.25	1.00
21.00	32.00
0.10	0.10
2.00	2.40
0.60	1.00
0.016	0.046
0.70	1.30
0.037	0.069
0.001	0.003
13.20	13.20
1.60	1.60
3.70	8.90
17.30	17.30
28.00	34.00
5.00	13.00
3.20	5.10
11.70	24.00
1.60	2.00
0.076	0.214
9.00	36.00

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km2 2011
m RS13

C50	C90
8.00	7.90

km2 2011
m RS14

C50	C90
3.70	4.00
5.00	15.00
0.04	0.08
0.005	0.005
1.00	2.00
1.20	2.50
2.00	2.80
0.0125	0.025
65.00	69.00
15.00	27.00
0.50	0.70

Conductivity	µS/cm	12	387	428.08333	547
Copper (Cu), dissolved	µg/l	12	1.3	5.45	20.8
Dissolved oxygen	mg/l	12	8.9	10.24167	13.8
Lead (Pb), dissolved	µg/l	12	< 0.25	0.3125	1
Lindane (gama-HCH)	µg/l	2	< 0.0005	< 0.0015	< 0.0025
Magnesium (Mg++)	mg/l	12	9	14.16667	23
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	12	0.9	1.6	2.6
Nitrate (NO3-N)	mg/l	12	0.5	0.61667	0.9
Nitrite (NO2-N)	mg/l	12	0.006	0.01533	0.063
Organic nitrogen	mg/l	12	0.1	0.55833	1.3
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.02929	0.064
Petroleum hydrocarbons	mg/l	3	< 0.01	< 0.01	< 0.01
Phenol index	mg/l	3	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	< 0.5	3.51429	7.2
Potassium (K+)	mg/l	4	0.8	1.325	2
Silicates(SiO2), dissolved	mg/l	10	2.7	3.77	4.9
Sodium (Na+)	mg/l	4	7.4	12.1	21.4
Sulphate (SO4--)	mg/l	12	18	23.75	28
Suspended solids	mg/l	12	< 0.5	5.375	15
TOC	mg/l	11	1.7	3.29091	7.3
Temperature	°C	12	4.2	14.275	26.2
Total nitrogen	mg/l	12	0.6	1.24167	2.1
Total phosphorus	mg/l	12	0.037	0.05392	0.131
Zinc (Zn), dissolved	µg/l	12	5	12.83333	23
p,p'-DDT	µg/l	2	< 0.0005	< 0.0015	< 0.0025

River: Sava **Catchment:** 87996.00
Distance from mouth: 136 **Altitude:** 75
Location: Left

Determinand name	Unit	N	Min	Mean	Max
pH	-	12	7.5	8.06667	8.3

411.00 476.00
4.20 7.80
9.30 8.90
0.25 0.25

14.00 20.00
0.10 0.10
1.50 2.30
0.60 0.80
0.011 0.018
0.40 0.80
0.025 0.05

7.20 7.20
2.00 2.00
4.90 4.90
21.40 21.40
25.00 28.00
3.00 14.00
2.60 6.20
12.40 24.50
1.20 1.50
0.04 0.073
13.00 22.00

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km2 2011
m RS14

C50	C90
8.10	8.00

River: Sava **Catchment:** 89490.00
Distance from mouth: 103 **Altitude:** 74
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.4	3.675	4.2
Aluminium (Al), dissolved	µg/l	12	< 5	7.33333	22
Ammonium (NH ₄ -N)	mg/l	12	0.01	0.04417	0.08
Anionic active surfactants	mg/l	4	< 0.005	0.00625	0.01
Arsenic (As), dissolved	µg/l	12	1	1.08333	2
Atrazine	µg/l	2	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	11	1	1.49091	2.1
COD (Mn)	mg/l	12	1.7	2.39167	3
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.01646	0.04
Calcium (Ca ⁺⁺)	mg/l	12	56	66.41667	84
Chloride (Cl ⁻)	mg/l	12	10	16.41667	40
Chromium (Cr), total	µg/l	12	< 0.25	0.52917	1

km2 2011
m RS15

C50	C90
3.60	4.00
5.00	11.00
0.04	0.07
0.01	0.01
1.00	1.00
1.40	1.90
2.20	3.00
0.0125	0.04
66.00	71.00
14.00	20.00
0.60	0.80

404.00	453.00
4.10	12.60
9.40	7.90
0.25	0.25
13.00	20.00
0.10	0.10
1.40	2.00
0.70	0.90
0.013	0.022
0.50	0.70
0.023	0.047
0.01	0.01
0.001	0.001
4.40	4.40
1.90	1.90
4.10	5.20
20.30	20.30
26.00	28.00
5.00	11.00
2.60	4.60
11.80	24.60
1.20	1.50
0.047	0.098
9.00	17.00

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km2 2011
m RS15

C50	C90
8.10	7.90

km2 2011
m RS16

C50	C90
3.90	4.20
43.00	43.00
0.08	0.14
0.01	0.01
3.00	3.00
1.70	2.30
2.40	3.10
3.81	3.81
61.00	68.00
16.00	29.00
1.30	1.30

401.00	439.00
17.40	17.40
9.30	7.70
2.00	2.00
15.00	19.00
0.10	0.10
4.40	4.40
0.40	0.80
0.014	0.028
1.40	1.40
0.022	0.032
0.002	0.002
10.10	10.10
1.50	1.50
6.20	6.20
17.30	17.30
24.00	28.00
5.00	10.00
5.70	5.70
15.20	28.30
1.90	1.90
0.091	0.091
26.00	26.00

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km2 **2011**
m **RS16**

C50	C90
8.00	7.90

River: Velika Morava **Catchment:** 37320.00
Distance from mouth: 35 **Altitude:** 75
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.5	3.68333	4.5
Aluminium (Al), dissolved	µg/l	12	< 5	28.83333	79
Ammonium (NH ₄ -N)	mg/l	12	0.01	0.14667	0.4
Anionic active surfactants	mg/l	4	< 0.005	0.00625	0.01
Arsenic (As), dissolved	µg/l	12	2	3.25	5
Atrazine	µg/l	2	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	10	1.6	3.15	4.6
COD (Mn)	mg/l	12	2.3	4.86667	8.2
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.0575	0.41
Calcium (Ca ⁺⁺)	mg/l	12	26	51.33333	66
Chloride (Cl ⁻)	mg/l	12	8	13.75	19
Chromium (Cr), total	µg/l	12	< 0.25	1.30833	5.2

km2 2011
m RS17

C50	C90
3.80	4.20
24.00	45.00
0.12	0.31
0.01	0.01
3.00	4.00
4.60	4.60
4.00	7.50
0.0125	0.06
54.00	63.00
13.00	18.00
1.10	1.70

Conductivity	µS/cm	12	341	414.5	504
Copper (Cu), dissolved	µg/l	12	2.1	5.36667	11.2
Dissolved oxygen	mg/l	12	5.3	10.325	14.7
Lead (Pb), dissolved	µg/l	12	< 0.25	0.91667	2
Lindane (gama-HCH)	µg/l	2	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg++)	mg/l	12	14	19.41667	28
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	12	2.8	4.51667	7.4
Nitrate (NO3-N)	mg/l	12	0.5	1.05833	2.1
Nitrite (NO2-N)	mg/l	12	0.004	0.05308	0.214
Organic nitrogen	mg/l	11	0.1	1.19091	2.8
Orthophosphate (PO4-P)	mg/l	12	0.027	0.10258	0.194
Petroleum hydrocarbons	mg/l	4	< 0.01	0.01575	0.023
Phenol index	mg/l	5	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	< 0.5	18.26667	77.3
Potassium (K+)	mg/l	4	1.6	3.05	4.5
Silicates(SiO2), dissolved	mg/l	11	1.1	7.54545	11.4
Sodium (Na+)	mg/l	3	6.5	17.8	35.9
Sulphate (SO4--)	mg/l	12	27	37.16667	49
Suspended solids	mg/l	12	< 0.5	13.29167	49
TOC	mg/l	11	2.7	4.82727	7.8
Temperature	°C	12	3.2	13.175	27.8
Total nitrogen	mg/l	11	0.8	2.37273	4.5
Total phosphorus	mg/l	11	0.03	0.15191	0.292
Zinc (Zn), dissolved	µg/l	12	3	12.75	20
p,p'-DDT	µg/l	2	< 0.0025	< 0.0025	< 0.0025

River: Velika Morava **Catchment:** 37320.00
Distance from mouth: 35 **Altitude:** 75
Location: Right

Determinand name	Unit	N	Min	Mean	Max
pH	-	12	7.5	7.93333	8.5

388.00	486.00
3.40	11.20
10.40	8.20
1.00	2.00
18.00	24.00
0.10	0.10
4.20	5.80
0.60	2.00
0.035	0.097
0.80	2.30
0.097	0.185
0.023	0.023
0.001	0.001
77.30	77.30
4.50	4.50
9.60	11.20
37.00	44.00
5.00	33.00
5.40	6.90
9.40	24.50
2.60	3.30
0.173	0.24
13.00	19.00

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km2 **2011**
m **RS17**

C50	C90
7.90	7.60

River: Danube **Catchment:** 251253.00
Distance from mouth: 1367 **Altitude:** 80
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	10	2.9	3.45	4.3
Aluminium (Al), dissolved	µg/l	10	< 5	39.1	246
Ammonium (NH ₄ -N)	mg/l	10	< 0.01	0.052	0.12
Anionic active surfactants	mg/l	3	< 0.005	0.02833	0.06
Arsenic (As), dissolved	µg/l	10	1	1.4	2
Atrazine	µg/l	1	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	10	1	2.1	5.5
COD (Mn)	mg/l	10	3.3	4.19	7.5
Cadmium (Cd), dissolved	µg/l	10	< 0.01	0.03225	0.22
Calcium (Ca ⁺⁺)	mg/l	10	47	56.1	71
Chloride (Cl ⁻)	mg/l	10	18	23.6	32
Chromium (Cr), total	µg/l	10	< 0.25	0.465	2.4

km2 2011
m RS2

C50	C90
4.30	4.30
246.00	246.00
0.12	0.12
2.00	2.00
5.50	5.50
7.50	7.50
0.22	0.22
71.00	71.00
32.00	32.00
2.40	2.40

Conductivity	µS/cm	10	384	469.9	579
Copper (Cu), dissolved	µg/l	10	1.8	11.41	35.5
Dissolved oxygen	mg/l	10	7.7	10.81	15.4
Lead (Pb), dissolved	µg/l	10	< 0.25	1.1	8
Lindane (gama-HCH)	µg/l	1	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg++)	mg/l	10	12	17.5	32
Mercury (Hg), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	10	1.2	9.48	61.9
Nitrate (NO3-N)	mg/l	10	0.8	1.606	2.61
Nitrite (NO2-N)	mg/l	10	0.008	0.0147	0.026
Organic nitrogen	mg/l	9	0.1	0.78889	2.2
Orthophosphate (PO4-P)	mg/l	10	< 0.0025	0.04915	0.092
Phenol index	mg/l	3	< 0.001	0.00167	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	< 1	28.86667	78.2
Potassium (K+)	mg/l	9	1.9	2.43333	3
Silicates(SiO2), dissolved	mg/l	10	5.8	7.54	10.7
Sodium (Na+)	mg/l	9	12.6	17.64444	22.8
Sulphate (SO4--)	mg/l	10	25	38.5	61
Suspended solids	mg/l	10	7	21.4	52
TOC	mg/l	9	1.6	3.41111	5.5
Temperature	°C	10	2.4	12.96	24
Total nitrogen	mg/l	9	1.1	2.46667	3.8
Total phosphorus	mg/l	10	0.074	0.1086	0.184
Zinc (Zn), dissolved	µg/l	10	6	44.6	284
p,p'-DDT	µg/l	1	< 0.0025	< 0.0025	< 0.0025
pH	-	10	7.8	8.18	8.5

River: Danube **Catchment:** 254085.00
Distance from mouth: 1258 **Altitude:** 75
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	2.5	3.30833	4.2
Aluminium (Al), dissolved	µg/l	12	< 5	46.5	268
Ammonium (NH4-N)	mg/l	12	0.05	0.09667	0.19
Anionic active surfactants	mg/l	8	< 0.005	0.0175	0.03
Arsenic (As), dissolved	µg/l	12	1	1.25	2
Atrazine	µg/l	1	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	11	1.5	2.52727	3.6
COD (Mn)	mg/l	12	2.6	3.53333	4.8

579.00	579.00
35.50	35.50
7.70	7.70
8.00	8.00
32.00	32.00
0.10	0.10
61.90	61.90
2.61	2.61
0.026	0.026
2.20	2.20
0.092	0.092
78.20	78.20
3.00	3.00
10.70	10.70
22.80	22.80
61.00	61.00
52.00	52.00
5.50	5.50
24.00	24.00
3.80	3.80
0.184	0.184
284.00	284.00
7.80	7.80

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km2 2011
m RS3

C50	C90
3.20	3.90
10.00	182.00
0.08	0.15
0.03	0.03
1.00	2.00
2.60	3.30
3.50	4.00

Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.02479	0.13
Calcium (Ca ⁺⁺)	mg/l	12	44	55.58333	68
Chloride (Cl ⁻)	mg/l	12	15	22.33333	32
Chromium (Cr), total	µg/l	12	< 0.25	0.51667	1.7
Conductivity	µS/cm	12	373	463.08333	587
Copper (Cu), dissolved	µg/l	12	2	6.775	21.8
Dissolved oxygen	mg/l	12	7.3	9.83333	12.8
Lead (Pb), dissolved	µg/l	12	< 0.25	0.6875	3
Lindane (gama-HCH)	µg/l	1	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg ⁺⁺)	mg/l	12	11	15.66667	23
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	12	1	10.68333	88.5
Nitrate (NO ₃ -N)	mg/l	12	0.66	1.52833	2.3
Nitrite (NO ₂ -N)	mg/l	12	0.008	0.01625	0.026
Organic nitrogen	mg/l	12	0.1	0.58333	1.3
Orthophosphate (PO ₄ -P)	mg/l	12	0.012	0.04633	0.078
Petroleum hydrocarbons	mg/l	3	< 0.01	< 0.01	< 0.01
Phenol index	mg/l	6	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	8	2.4	8.8875	13
Potassium (K ⁺)	mg/l	12	2	2.51667	3.2
Silicates(SiO ₂), dissolved	mg/l	11	1	6.00909	11
Sodium (Na ⁺)	mg/l	12	11.1	16.96667	23.4
Sulphate (SO ₄ ⁻⁻)	mg/l	12	24	39.91667	52
Suspended solids	mg/l	12	5	16.75	28
TOC	mg/l	10	1.3	3.14	5
Temperature	°C	12	1.5	13.69167	23.9
Total nitrogen	mg/l	12	0.9	2.2	3.7
Total phosphorus	mg/l	12	0.035	0.08475	0.123
Zinc (Zn), dissolved	µg/l	12	4	42.75	229
p,p'-DDT	µg/l	1	< 0.0025	< 0.0025	< 0.0025

River: Danube **Catchment:** 254085.00
Distance from mouth: 1258 **Altitude:** 75
Location: Right

Determinand name	Unit	N	Min	Mean	Max
pH	-	12	7.5	8.03333	8.3

0.0125	0.05
54.00	64.00
20.00	29.00
0.25	1.20
445.00	566.00
3.50	17.90
9.10	7.50
0.25	2.00
15.00	21.00
0.10	0.10
2.80	11.90
1.51	2.27
0.016	0.025
0.40	1.20
0.051	0.07
0.001	0.001
13.00	13.00
2.40	2.90
6.00	10.00
16.90	20.70
40.00	48.00
15.00	27.00
5.00	5.00
9.80	23.60
1.90	3.40
0.076	0.115
17.00	122.00

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km2 **2011**
m **RS3**

C50	C90
8.10	7.90

River: Danube **Catchment:** 412762.00
Distance from mouth: 1174 **Altitude:** 71
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	3.2	3.78182	4.8
Aluminium (Al), dissolved	µg/l	10	< 5	13.8	20
Ammonium (NH ₄ -N)	mg/l	11	0.05	0.15182	0.26
Anionic active surfactants	mg/l	5	< 0.005	< 0.005	< 0.005
Arsenic (As), dissolved	µg/l	10	1	1.4	2
Atrazine	µg/l	2	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	11	1	1.74545	3.5
COD (Mn)	mg/l	11	1.7	2.86364	4.8
Cadmium (Cd), dissolved	µg/l	10	< 0.0125	0.0675	0.18
Calcium (Ca ⁺⁺)	mg/l	11	44	56.63636	73
Chloride (Cl ⁻)	mg/l	11	14	22.36364	36
Chromium (Cr), total	µg/l	10	< 0.25	0.91	2.1

km2 2011
m RS4

C50	C90
3.70	4.60
20.00	20.00
0.17	0.25
0.005	0.005
2.00	2.00
1.50	2.30
2.70	3.80
0.18	0.18
51.00	70.00
19.00	33.00
2.10	2.10

395.00	508.00
16.40	16.40
8.40	6.70
0.25	0.25
18.00	21.00
0.10	0.10
3.40	3.40
0.70	1.30
0.013	0.025
2.90	2.90
0.048	0.059
25.20	25.20
3.60	3.60
7.90	7.90
23.10	23.10
35.00	49.00
13.00	26.00
8.70	8.70
10.80	24.40
3.40	3.40
0.279	0.279
22.00	22.00
8.10	8.00

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km2 **2011**
m **RS5**

C50	C90
4.20	4.20
963.00	963.00
0.15	0.15
5.00	5.00
2.60	2.60
5.70	5.70

Cadmium (Cd), dissolved	µg/l	10	< 0.01	0.026	0.13
Calcium (Ca ⁺⁺)	mg/l	10	46	53.9	65
Chloride (Cl ⁻)	mg/l	10	20	24.7	36
Chromium (Cr), total	µg/l	10	< 0.25	0.37	0.7
Conductivity	µS/cm	10	385	465.6	612
Copper (Cu), dissolved	µg/l	10	2	6.99	25
Dissolved oxygen	mg/l	10	7.2	9.78	12.4
Lead (Pb), dissolved	µg/l	10	< 0.25	0.4	1
Lindane (gama-HCH)	µg/l	1	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg ⁺⁺)	mg/l	10	10	14.2	20
Mercury (Hg), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	10	1.2	4.11	7.8
Nitrate (NO ₃ -N)	mg/l	10	0.76	1.232	1.71
Nitrite (NO ₂ -N)	mg/l	10	0.01	0.0153	0.023
Organic nitrogen	mg/l	10	0.3	0.62	1.4
Orthophosphate (PO ₄ -P)	mg/l	10	0.013	0.0509	0.082
Petroleum hydrocarbons	mg/l	10	< 0.01	0.0148	0.047
Phenol index	mg/l	2	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	5.9	19.06667	54.5
Potassium (K ⁺)	mg/l	10	2	2.72	3.3
Silicates(SiO ₂), dissolved	mg/l	9	4.6	8.34444	13.5
Sodium (Na ⁺)	mg/l	10	13.8	20.59	32.2
Sulphate (SO ₄ ⁻⁻)	mg/l	10	33	41.7	53
Suspended solids	mg/l	9	5	31.88889	76
TOC	mg/l	10	1.6	3.96	7.5
Temperature	°C	10	1.3	13.99	24.6
Total nitrogen	mg/l	10	1.4	1.96	2.8
Total phosphorus	mg/l	10	0.073	0.1122	0.222
Zinc (Zn), dissolved	µg/l	10	1	17.3	41
p,p'-DDT	µg/l	1	< 0.0025	< 0.0025	< 0.0025

River: Danube **Catchment:** 525009.00
Distance from mouth: 1154 **Altitude:** 70
Location: Left

Determinand name	Unit	N	Min	Mean	Max
pH	-	10	7.8	8.11	8.3

0.13 0.13
65.00 65.00
36.00 36.00
0.70 0.70
612.00 612.00
25.00 25.00
7.20 7.20
1.00 1.00

20.00 20.00
0.10 0.10
7.80 7.80
1.71 1.71
0.023 0.023
1.40 1.40
0.082 0.082
0.047 0.047

54.50 54.50
3.30 3.30
13.50 13.50
32.20 32.20
53.00 53.00
76.00 76.00
7.50 7.50
24.60 24.60
2.80 2.80
0.222 0.222
41.00 41.00

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km2 2011
m RS5

C50	C90
7.80	7.80

River: Danube **Catchment:** 568648.00
Distance from mouth: 1076 **Altitude:** 69
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	11	2.8	3.31818	4
Aluminium (Al)	µg/l	11	122	277.72727	557
Aluminium (Al), dissolved	µg/l	11	< 5	34.45455	199
Ammonium (NH ₄ -N)	mg/l	11	0.08	0.14091	0.22
Anionic active surfactants	mg/l	10	0.01	0.025	0.04
Arsenic (As)	µg/l	11	1.7	2.33636	3.7
Arsenic (As), dissolved	µg/l	11	1.4	1.63636	2.3
Atrazine	µg/l	11	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	11	1	1.78182	2.9
COD (Cr)	mg/l	11	7	10.54545	14
COD (Mn)	mg/l	11	2.9	3.72727	4.7
Cadmium (Cd)	µg/l	11	0.03	0.05182	0.11

km2 2011
m RS6

C50	C90
3.10	3.80
270.00	361.00
17.00	35.00
0.14	0.21
0.04	0.04
2.20	2.80
1.50	2.00
0.01	0.01
1.60	2.50
11.00	13.00
3.60	4.60
0.05	0.06

0.0125	0.0125
54.00	62.00
22.00	30.00
2.40	3.00
0.25	0.90
463.00	538.00
8.80	13.20
10.20	10.20
9.00	7.00
1.22	1.22
1.00	3.00
0.25	0.25
0.0025	0.0025
15.00	18.00
0.04	0.07
0.10	0.10
0.10	0.10
3.50	5.50
1.90	3.40
1.24	1.67
0.012	0.023
0.50	1.30
0.051	0.061
0.01	0.01
0.002	0.002
8.30	21.30

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km2 2011
m RS6

C50	C90
2.80	2.90
6.10	11.00
17.40	28.40
40.00	49.00
40.00	40.00
6.40	6.40
13.30	24.00
1.90	2.80

Total phosphorus	mg/l	11	0.072	0.10036	0.162
Zinc (Zn)	µg/l	11	9	18	32
Zinc (Zn), dissolved	µg/l	7	8	16.14286	26
p,p'-DDT	µg/l	11	< 0.0005	< 0.00214	< 0.0025
pH	-	11	7.7	7.88182	8.2

River: Danube **Catchment:** 574307.00
Distance from mouth: 954 **Altitude:** 0
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3	3.59167	4.5
Aluminium (Al), dissolved	µg/l	12	< 5	15	34
Ammonium (NH4-N)	mg/l	12	< 0.01	0.11167	0.3
Anionic active surfactants	mg/l	8	< 0.005	0.00875	0.02
Arsenic (As), dissolved	µg/l	12	1	1.66667	2
Atrazine	µg/l	2	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	12	1	1.84167	2.8

0.096 0.107
16.00 29.00
26.00 26.00
0.0025 0.0025
7.80 7.80

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km2 **2011**
m **RS7**

C50	C90
3.30	4.50
13.00	24.00
0.09	0.19
0.02	0.02
2.00	2.00
1.80	2.20

COD (Mn)	mg/l	12	2.2	2.925	4
Cadmium (Cd), dissolved	µg/l	12	0.03	0.14	0.45
Calcium (Ca++)	mg/l	12	48	58.08333	70
Chloride (Cl-)	mg/l	12	15	22.33333	31
Chromium (Cr), total	µg/l	12	< 0.25	2.00833	12.4
Conductivity	µS/cm	12	368	422.41667	504
Copper (Cu), dissolved	µg/l	12	2.4	8.25	18.3
Dissolved oxygen	mg/l	12	5.7	9.78333	15.3
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25
Lindane (gama-HCH)	µg/l	2	< 0.0025	0.00375	0.005
Magnesium (Mg++)	mg/l	12	12	18	24
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	12	1.1	1.88333	2.5
Nitrate (NO3-N)	mg/l	12	0.1	0.6	1
Nitrite (NO2-N)	mg/l	12	0.01	0.01833	0.031
Organic nitrogen	mg/l	12	0.3	1.31667	2.7
Orthophosphate (PO4-P)	mg/l	12	0.005	0.05092	0.102
Petroleum hydrocarbons	mg/l	4	< 0.01	0.0165	0.036
Phenol index	mg/l	4	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	8	< 0.5	8.6875	33.1
Potassium (K+)	mg/l	9	1.3	2.45556	3.3
Silicates(SiO2), dissolved	mg/l	9	1.6	5.48889	13.5
Sodium (Na+)	mg/l	9	6.8	15.36667	20.9
Sulphate (SO4--)	mg/l	12	18	36.91667	53
Suspended solids	mg/l	12	< 0.5	4.375	21
TOC	mg/l	12	2.4	4.25	6
Temperature	°C	12	2.6	15.275	28.1
Total nitrogen	mg/l	12	1.3	2.03333	3
Total phosphorus	mg/l	12	0.006	0.07867	0.19
Zinc (Zn), dissolved	µg/l	12	3	12.08333	46
p,p'-DDT	µg/l	2	< 0.0025	0.00375	0.005

River: Danube **Catchment:** 574307.00
Distance from mouth: 954 **Altitude:** 0
Location: Right

Determinand name	Unit	N	Min	Mean	Max
pH	-	12	8	8.21667	8.7

2.80	3.80
0.07	0.33
60.00	66.00
22.00	25.00
0.50	3.10
407.00	497.00
4.30	17.40
8.90	7.20
0.25	0.25

18.00	23.00
0.10	0.10
1.90	2.40
0.60	0.90
0.017	0.028
1.30	1.90
0.043	0.081
0.036	0.036
0.001	0.001
33.10	33.10
3.30	3.30
13.50	13.50
20.90	20.90
35.00	51.00
3.00	5.00
4.30	5.70
15.00	24.90
1.90	2.80
0.079	0.106
7.00	28.00

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km2 **2011**
m **RS7**

C50	C90
8.10	8.00

km2 2011
m RS8

C50	C90
3.40	4.30
192.00	327.00
14.00	29.00
0.08	0.17
0.005	0.01
2.00	4.00
2.00	2.00
0.01	0.01
2.00	2.60
50.00	50.00
3.10	3.80
0.09	0.66

0.04	0.10
56.00	72.00
20.00	25.00
2.80	5.60
3.50	3.50
438.00	486.00
11.60	25.80
11.60	11.60
7.70	6.50
0.36	0.63
1.00	2.00
0.25	0.25
0.0025	0.0025
17.00	24.00
0.02	0.04
0.10	0.10
0.10	0.10
2.80	9.50
1.80	2.10
0.60	1.10
0.018	0.026
1.30	2.80
0.078	0.33
0.01	0.01
0.001	0.001
2.30	7.00

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km2 **2011**
m **RS8**

C50	C90
2.10	3.40
5.80	7.10
16.60	21.00
35.00	49.00
6.00	14.00
3.70	7.80
13.40	24.50
2.10	3.10

Total phosphorus	mg/l	12	0.076	0.26183	0.785
Zinc (Zn)	µg/l	12	6	13	23
Zinc (Zn), dissolved	µg/l	8	2	8.5	14
p,p'-DDT	µg/l	12	< 0.0005	< 0.00233	< 0.0025
pH	-	12	7.5	7.79167	8.1

River: Danube **Catchment:** 253737.00
Distance from mouth: 1287 **Altitude:** 0
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	9	2.8	3.34444	4.1
Aluminium (Al), dissolved	µg/l	9	< 5	30.44444	143
Ammonium (NH ₄ -N)	mg/l	9	0.02	0.05444	0.12
Anionic active surfactants	mg/l	3	0.01	0.03667	0.05
Arsenic (As), dissolved	µg/l	9	1	1.33333	2
Atrazine	µg/l	1	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	9	1.1	1.72222	3.5

0.201	0.442
12.00	17.00
14.00	14.00
0.0025	0.0025
7.80	7.60

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km2 **2011**
m **RS9**

C50	C90
4.10	4.10
143.00	143.00
0.12	0.12
2.00	2.00
3.50	3.50

COD (Mn)	mg/l	9	3	4.3	6.3
Cadmium (Cd), dissolved	µg/l	9	< 0.0125	0.01556	0.04
Calcium (Ca++)	mg/l	9	44	55.77778	71
Chloride (Cl-)	mg/l	9	16	22	33
Chromium (Cr), total	µg/l	9	< 0.25	0.38889	1.5
Conductivity	µS/cm	9	364	456.66667	574
Copper (Cu), dissolved	µg/l	9	1.9	7.06667	19.2
Dissolved oxygen	mg/l	9	7.2	10.11111	12.6
Lead (Pb), dissolved	µg/l	9	< 0.25	0.66667	4
Lindane (gama-HCH)	µg/l	1	< 0.0025	< 0.0025	< 0.0025
Magnesium (Mg++)	mg/l	9	11	16	26
Mercury (Hg), dissolved	µg/l	9	< 0.1	< 0.1	< 0.1
Nickel (Ni), dissolved	µg/l	9	1.1	6.47778	19.3
Nitrate (NO3-N)	mg/l	9	1.02	1.58444	2.4
Nitrite (NO2-N)	mg/l	9	0.007	0.01533	0.03
Organic nitrogen	mg/l	9	0.1	0.61111	1.8
Orthophosphate (PO4-P)	mg/l	9	0.02	0.05011	0.068
Petroleum hydrocarbons	mg/l	3	< 0.01	0.01333	0.02
Phenol index	mg/l	3	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	5	3.4	12.1	17.8
Potassium (K+)	mg/l	8	1.9	2.3625	3
Silicates(SiO2), dissolved	mg/l	9	6.3	8.03333	11.1
Sodium (Na+)	mg/l	8	12.6	17.025	24
Sulphate (SO4--)	mg/l	9	26	38	48
Suspended solids	mg/l	9	5	25.22222	59
TOC	mg/l	9	1.5	3.32222	4.9
Temperature	°C	9	2.3	13.33333	23.9
Total nitrogen	mg/l	9	1.2	2.26667	4.1
Total phosphorus	mg/l	9	0.078	0.102	0.122
Zinc (Zn), dissolved	µg/l	9	7	29.66667	103
p,p'-DDT	µg/l	1	< 0.0025	< 0.0025	< 0.0025

River: Danube **Catchment:** 253737.00
Distance from mouth: 1287 **Altitude:** 0
Location: Left

Determinand name	Unit	N	Min	Mean	Max
pH	-	9	8	8.13333	8.3

6.30 6.30
0.04 0.04
71.00 71.00
33.00 33.00
1.50 1.50
574.00 574.00
19.20 19.20
7.20 7.20
4.00 4.00

26.00 26.00
0.10 0.10
19.30 19.30
2.40 2.40
0.03 0.03
1.80 1.80
0.068 0.068

17.80 17.80
3.00 3.00
11.10 11.10
24.00 24.00
48.00 48.00
59.00 59.00
4.90 4.90
23.90 23.90
4.10 4.10
0.122 0.122
103.00 103.00

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km2 2011
m RS9

C50	C90
8.00	8.00

River: Drava **Catchment:** 15356.00
Distance from mouth: 300 **Altitude:** 192
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	4	< 2	3	6
Aluminium (Al), dissolved	µg/l	12	< 5	19.08333	50
Ammonium (NH ₄ -N)	mg/l	26	< 0.005	0.03138	0.06
Anionic active surfactants	mg/l	4	< 0.025	< 0.025	< 0.025
Arsenic (As), dissolved	µg/l	12	< 0.5	1.05833	1.3
Atrazine	µg/l	4	< 0.01	< 0.01	< 0.01
BOD (5)	mg/l	26	< 0.25	0.88654	1.6
COD (Cr)	mg/l	12	< 2.5	3.45833	8
Cadmium (Cd), dissolved	µg/l	12	0.011	0.02867	0.063
Calcium (Ca ⁺⁺)	mg/l	12	29	40.08333	50
Carbon tetrachloride	µg/l	12	< 0.1	< 0.1	< 0.1
Chloride (Cl ⁻)	mg/l	12	3.6	6.6	9.3

km2 2011
m SI1

C50	C90
6.00	6.00
15.00	30.00
0.03	0.05
0.025	0.025
1.10	1.20
0.01	0.01
0.90	1.20
2.50	6.00
0.026	0.042
39.00	47.00
0.10	0.10
6.30	8.30

Chloroform	µg/l	12	< 0.05	< 0.05	< 0.05
Chromium (Cr), total	µg/l	12	< 0.5	0.64167	1.4
Conductivity	µS/cm	26	202	276.26923	360
Copper (Cu), dissolved	µg/l	12	1.1	1.95833	4.7
Dissolved oxygen	mg/l	26	6.9	10.06923	13.1
Flow	m3/s	365	94	259.09315	903
Lead (Pb), dissolved	µg/l	12	< 0.5	0.91667	4.5
Lindane (gama-HCH)	µg/l	12	< 0.0015	< 0.0015	< 0.0015
Macrozoobenthos - number of families	-	1	23	23	23
Macrozoobenthos no. of taxa	-	1	34	34	34
Macrozoobenthos sapr. index	-	1	2.45	2.45	2.45
Magnesium (Mg++)	mg/l	12	2.7	8.16667	12
Mercury (Hg), dissolved	µg/l	12	< 0.005	< 0.005	< 0.005
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.125	2.7
Nitrate (NO3-N)	mg/l	26	0.791	1.06469	1.898
Nitrite (NO2-N)	mg/l	26	0.004	0.00731	0.012
Orthophosphate (PO4-P)	mg/l	26	< 0.005	0.01719	0.163
Petroleum hydrocarbons	mg/l	4	< 0.0075	< 0.0075	< 0.0075
Potassium (K+)	mg/l	12	1.4	2.36667	3.6
Sodium (Na+)	mg/l	12	3.2	5.91667	7.7
Sulphate (SO4--)	mg/l	12	17	25.58333	33
Suspended solids	mg/l	26	< 1	8.5	29
TOC	mg/l	12	0.9	1.34167	1.7
Temperature	°C	26	0.8	11.67692	23.5
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Total nitrogen	mg/l	26	0.8	1.44	9.33

River: Drava **Catchment:** 15356.00
Distance from mouth: 300 **Altitude:** 192
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus	mg/l	26	0.007	0.04354	0.142
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05
Zinc (Zn), dissolved	µg/l	12	< 5	9.08333	19
p,p'-DDT	µg/l	12	< 0.0015	< 0.0015	< 0.0015
pH	-	26	7.7	8.17308	8.4

0.05	0.05
0.50	1.30
291.00	326.00
1.40	3.70
9.80	8.30
236.00	395.00
0.50	1.50
0.0015	0.0015

8.30	11.00
0.005	0.005
1.00	1.90
1.107	1.311
0.007	0.01
0.005	0.045
0.0075	0.0075
2.10	3.40
5.60	7.60
24.00	29.00
6.70	22.00
1.40	1.70
12.60	20.30
0.05	0.05
1.12	1.62

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km2 **2011**
m **SI1**

C50	C90
0.03	0.112
0.05	0.05
5.00	16.00
0.0015	0.0015
8.20	8.00

River: Sava **Catchment:** 10878.00
Distance from mouth: 729 **Altitude:** 135
Location: Right

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	4	< 3	3.975	6.9
Aluminium (Al), dissolved	µg/l	12	1.4	7.6	19
Ammonium (NH ₄ -N)	mg/l	26	0.009	0.03058	0.108
Anionic active surfactants	mg/l	4	< 0.035	< 0.035	< 0.035
Arsenic (As), dissolved	µg/l	12	0.26	0.44917	0.75
Atrazine	µg/l	4	< 0.0045	< 0.0045	< 0.0045
BOD (5)	mg/l	26	< 0.25	1.225	2.8
COD (Cr)	mg/l	12	< 2.5	4.76667	11
Cadmium (Cd), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01
Calcium (Ca ⁺⁺)	mg/l	12	52	57.25	65
Carbon tetrachloride	µg/l	12	< 0.1	< 0.1	< 0.1
Chloride (Cl ⁻)	mg/l	12	5.52	8.52417	11.5

km2 2011
m SI2

C50	C90
6.90	6.90
5.00	13.00
0.026	0.064
0.035	0.035
0.38	0.66
0.0045	0.0045
1.10	2.20
2.50	8.00
0.01	0.01
56.00	60.00
0.10	0.10
7.91	11.10

1.00 1.00
0.20 0.43
359.00 391.00
1.20 1.50
11.10 8.20
138.00 314.00
0.05 0.05
0.0002 0.0002

14.00 16.00
0.0075 0.0075
0.80 1.40
1.379 1.657
0.016 0.025
0.014 0.037
0.0025 0.0025
1.30 1.80
6.20 8.30
13.20 18.10
4.30 9.50
1.38 1.75
14.90 22.80
0.03 0.03
1.40 1.70

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km2 2011
m SI2

C50	C90
0.057	0.096
0.10	0.10
4.50	4.50
0.0004	0.0004
8.26	8.11

River: Danube **Catchment:** 131329.00
Distance from mouth: 1869 **Altitude:** 128
Location: Left

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	2	13.1	14.95	16.8
Alkalinity - total	mmol/l	12	2.95	3.4525	4.64
Ammonium (NH ₄ -N)	mg/l	25	< 0.01	0.0392	0.13
Anionic active surfactants	mg/l	2	< 0.015	< 0.015	< 0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Atrazine	µg/l	2	< 0.09	< 0.09	< 0.09
BOD (5)	mg/l	25	< 0.35	1.978	3.6
COD (Cr)	mg/l	12	6.4	10.39167	16.4
Cadmium (Cd), dissolved	µg/l	2	< 0.025	< 0.025	< 0.025
Calcium (Ca ⁺⁺)	mg/l	2	72.5	75.45	78.4
Carbon tetrachloride	µg/l	2	< 0.2	< 0.2	< 0.2
Chloride (Cl ⁻)	mg/l	2	26.2	26.4	26.6

km2 2011
m SK1

C50	C90
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3.35 3.90

0.03 0.06

0.50 0.50

1.90 3.20

10.00 13.00

Chloroform	µg/l	2	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	354	439.33333	560
Copper (Cu), dissolved	µg/l	12	< 0.25	0.915	1.43
Dissolved oxygen	mg/l	12	8	10.61667	13.9
Lead (Pb), dissolved	µg/l	2	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	2	< 0.01	< 0.01	< 0.01
Macrozoobenthos - number of families	-	1	1	1	1
Macrozoobenthos no. of taxa	-	1	4	4	4
Macrozoobenthos sapr. index	-	1	2.099	2.099	2.099
Magnesium (Mg++)	mg/l	2	17.2	17.9	18.6
Mercury (Hg), dissolved	µg/l	2	0.004	0.004	0.004
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.555	1.16
Nitrate (NO3-N)	mg/l	25	1.31	2.0848	3.6
Nitrite (NO2-N)	mg/l	4	0.022	0.02475	0.028
Organic nitrogen	mg/l	2	0.31	0.315	0.32
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0462	0.08
Petroleum hydrocarbons	mg/l	2	0.02	0.02	0.02
Phenol index	mg/l	2	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	3.4	17.88	35.63
Suspended solids	mg/l	4	12	13.75	17
TOC	mg/l	2	3	3.1	3.2
Temperature	°C	12	2.2	11.65	20.5
Tetrachloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Total nitrogen	mg/l	25	1.69	2.7004	4.2
Total phosphorus	mg/l	25	0.04	0.0916	0.17

River: Danube **Catchment:** 131329.00
Distance from mouth: 1869 **Altitude:** 128
Location: Left

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus, dissolved	mg/l	2	0.075	0.0925	0.11
Trichloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Zinc (Zn), dissolved	µg/l	12	< 5	8.41667	16
p,p'-DDT	µg/l	2	< 0.0115	< 0.0115	< 0.0115
pH	-	12	8.08	8.2075	8.39

0.10 1.00
433.00 556.00
1.00 1.08
10.00 8.80

0.50 0.50
1.65 3.43
0.028 0.028

0.06 0.07

35.63 35.63
17.00 17.00

10.90 19.90

2.40 4.01
0.09 0.12

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km2 2011
m SK1

C50	C90
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10.00 10.00

8.18 8.12

km2 2011
m SK1

C50	C90
10.70	12.30
3.25	3.88
140.00	445.00
0.03	0.06
0.015	0.015
0.50	0.50
1.70	3.20
4.00	4.00
0.025	0.05
57.80	72.00
18.70	26.40
0.10	1.00

Conductivity	µS/cm	12	346	421.58333	550
Copper (Cu), dissolved	µg/l	12	< 0.25	1.0125	2.8
Dissolved oxygen	mg/l	12	8.5	10.56667	13.9
Flow	m3/s	365	815.538	1700.3682	6881.417
Iron (Fe)	mg/l	12	0.01	0.17125	0.403
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Magnesium (Mg++)	mg/l	12	12.5	14.74167	17.9
Manganese (Mn)	mg/l	12	< 0.0025	0.01442	0.049
Mercury (Hg), dissolved	µg/l	12	0.014	0.057	0.17
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	25	1.26	1.9724	3.31
Nitrite (NO2-N)	mg/l	25	0.004	0.0124	0.027
Organic nitrogen	mg/l	2	0.23	0.405	0.58
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0422	0.08
Petroleum hydrocarbons	mg/l	10	< 0.01	0.016	0.03
Phenol index	mg/l	12	< 0.001	0.00192	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	3.5	17.66	36.73
Potassium (K+)	mg/l	12	2	2.675	3.1
Silicates (SiO2)	mg/l	25	1.9	5.328	7.8
Sodium (Na+)	mg/l	12	10.1	14	19.3
Sulphate (SO4--)	mg/l	12	24.3	33.65833	40.8
Suspended solids	mg/l	25	3	19.72	83
TOC	mg/l	12	1.8	2.70833	3.6
Temperature	°C	12	4	4	4
Total nitrogen	mg/l	25	1.71	2.5068	3.85
Total phosphorus	mg/l	25	0.04	0.0824	0.16

River: Danube **Catchment:** 131329.00
Distance from mouth: 1869 **Altitude:** 128
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus, dissolved	mg/l	25	< 0.015	0.0496	0.09
Zinc (Zn)	µg/l	10	< 5	8.9	14
Zinc (Zn), dissolved	µg/l	12	< 5	8.5	17
pH	-	12	8.13	8.255	8.43

409.00	530.00
1.00	1.72
9.60	9.00
1565.875	2401.292
0.095	0.353
0.50	0.50
14.70	17.30
0.0125	0.031
0.025	0.14
0.50	0.50
1.65	3.25
0.011	0.02
0.05	0.06
0.03	0.03
0.001	0.006
36.73	36.73
2.70	3.00
5.60	7.20
13.40	17.10
32.10	39.80
13.00	45.00
2.60	3.20
4.00	4.00
2.19	3.68
0.08	0.11

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km2 **2011**
m **SK1**

C50	C90
0.06	0.08
14.00	14.00
10.00	10.00
8.24	8.16

km2 2011
m SK1

C50	C90
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3.17 3.99
0.02 0.06

0.50 0.50

1.60 2.90
8.00 11.70

Chloroform	µg/l	2	< 0.5	< 0.5	< 0.5
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	338	411	539
Copper (Cu), dissolved	µg/l	12	< 0.25	1.05667	2.7
Dissolved oxygen	mg/l	12	8.3	10.68333	13.9
Lead (Pb), dissolved	µg/l	2	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	2	< 0.01	< 0.01	< 0.01
Macrozoobenthos - number of families	-	1	9	9	9
Macrozoobenthos no. of taxa	-	1	24	24	24
Macrozoobenthos sapr. index	-	1	2.3	2.3	2.3
Magnesium (Mg++)	mg/l	2	15.6	16	16.4
Mercury (Hg), dissolved	µg/l	2	0.004	0.011	0.018
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	25	1.31	1.9192	3.11
Nitrite (NO2-N)	mg/l	4	0.019	0.0235	0.028
Organic nitrogen	mg/l	2	< 0.1	0.27	0.44
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0382	0.07
Petroleum hydrocarbons	mg/l	2	< 0.01	0.015	0.02
Phenol index	mg/l	2	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.5	14.28571	31.36
Suspended solids	mg/l	4	4	8.5	16
TOC	mg/l	2	2.5	2.5	2.5
Temperature	°C	12	2.2	11.375	20
Tetrachloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Total nitrogen	mg/l	25	1.76	2.3992	3.55
Total phosphorus	mg/l	25	0.04	0.0736	0.13

River: Danube **Catchment:** 131329.00
Distance from mouth: 1869 **Altitude:** 128
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus, dissolved	mg/l	2	0.06	0.07	0.08
Trichloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Zinc (Zn), dissolved	µg/l	12	< 5	8.83333	21
p,p'-DDT	µg/l	2	< 0.0115	< 0.0115	< 0.0115
pH	-	12	8.17	8.25667	8.46

0.10 1.00
390.00 513.00
1.00 2.20
10.00 9.00

0.50 0.50
1.64 2.99
0.028 0.028

0.04 0.06

31.36 31.36
16.00 16.00

10.60 19.10

2.16 3.47
0.07 0.11

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km2 2011
m SK1

C50	C90
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10.00 10.00

8.23 8.17

km2 2011
m SK2

C50	C90
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3.25 3.92
0.02 0.05

0.50 1.06
0.09 0.09

1.60 3.70
6.30 11.50

59.50 76.10

0.10 1.00
401.00 518.00

1.00 1.29
10.50 8.80
1498.667 2223.333
0.01 0.01
14.70 16.80
0.50 0.50
1.55 3.04

0.04 0.0561

41.90 41.90

11.10 20.00
2.05 3.52
0.07 0.08
5.00 10.00
0.0115 0.0115
8.24 8.13

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km2 2011
m SK2

C50	C90
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River: Danube **Catchment:** 151961.00
Distance from mouth: 1768 **Altitude:** 103
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Flow	m3/s	365	7.439	112.72852	389.646

km2 2011
m SK3

C50	C90
86.35	206.42

km2 2011
m SK4

C50	C90
14.10	18.00
3.73	4.18
800.00	800.00
0.07	0.25
0.015	0.015
1.24	1.61
0.09	0.09
2.00	3.90
4.00	4.00
65.40	76.50

Chloride (Cl-)	mg/l	12	13.5	20.775	30.9
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	349	467.66667	591
Copper (Cu), dissolved	µg/l	12	< 0.25	0.86167	1.08
Dissolved oxygen	mg/l	12	7.6	10.36667	13.4
Flow	m3/s	365	49.167	162.39369	482.277
Iron (Fe)	mg/l	12	0.012	0.26842	0.476
Lead (Pb), dissolved	µg/l	2	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.00625	< 0.01
Magnesium (Mg++)	mg/l	12	11.8	16.36667	20.3
Manganese (Mn)	mg/l	12	0.005	0.04579	0.074
Mercury (Hg), dissolved	µg/l	2	0.004	0.0045	0.005
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	12	1.18	1.98333	2.82
Nitrite (NO2-N)	mg/l	12	0.015	0.03408	0.07
Organic nitrogen	mg/l	2	< 0.1	0.35	0.6
Orthophosphate (PO4-P)	mg/l	12	0.03	0.07167	0.09
Petroleum hydrocarbons	mg/l	11	< 0.01	0.02455	0.05
Phenol index	mg/l	12	< 0.001	0.00142	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.7	14.24571	44.59
Potassium (K+)	mg/l	12	2.7	3.4	4.4
Silicates (SiO2)	mg/l	12	3.3	5.99167	8.2
Sodium (Na+)	mg/l	12	11.2	17.81667	26.7
Sulphate (SO4--)	mg/l	12	29.8	43.31667	56.4
Suspended solids	mg/l	12	7	15.66667	27
TOC	mg/l	12	2.5	3.15	3.9

River: Vah **Catchment:** 19661.00
Distance from mouth: 1 **Altitude:** 106
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Temperature	°C	12	4	4	4
Total nitrogen	mg/l	12	1.82	2.6825	3.48
Total phosphorus	mg/l	12	0.08	0.125	0.21
Total phosphorus, dissolved	mg/l	11	0.05	0.08909	0.12
Zinc (Zn)	µg/l	10	< 5	10.3	16
Zinc (Zn), dissolved	µg/l	12	< 5	< 7.5	< 10
p,p'-DDT	µg/l	12	< 0.001	0.00871	0.02
pH	-	12	7.99	8.14333	8.38

19.20	26.70
0.10	1.00
456.00	558.00
1.00	1.00
10.00	7.80
132.768	276.369
0.25	0.40
0.01	0.01
16.70	18.80
0.042	0.068
0.50	0.50
1.79	2.56
0.029	0.05
0.08	0.09
0.02	0.03
0.001	0.001
44.59	44.59
3.40	4.00
6.10	8.10
17.30	22.10
42.90	53.20
13.00	24.00
3.10	3.60

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km2 **2011**
m **SK4**

C50	C90
4.00	4.00
2.63	3.46
0.12	0.15
0.09	0.12
16.00	16.00
5.00	10.00
0.0115	0.0115
8.14	8.03

River: Vah **Catchment:** 19661.00
Distance from mouth: 1 **Altitude:** 106
Location: Right

Determinand name	Unit	N	Min	Mean	Max
Macrozoobenthos - number of families	-	1	11	11	11
Macrozoobenthos no. of taxa	-	1	24	24	24
Macrozoobenthos sapr. index	-	1	2.7	2.7	2.7

km2 2011
m SK4

C50	C90
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km2 2011
m SK5

C50	C90
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3.52 4.49

0.03 0.06

1.27 2.72

1.80 3.30

8.90 16.70

443.00 541.00
10.50 8.40

1.86 3.05

0.05 0.08

11.60 21.50

2.51 3.31
0.10 0.13

8.23 8.13

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km2 2011
m SK5

C50	C90
5.00	12.50
3.36	3.96
1560.00	1560.00
0.02	0.05
0.015	0.015
0.50	1.16
1.20	4.00

COD (Cr)	mg/l	12	< 2.5	9.29167	15
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.075	< 0.5
Calcium (Ca++)	mg/l	12	52.3	63.30833	77
Chloride (Cl-)	mg/l	12	14.5	20.28333	27.5
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	347	430.58333	555
Copper (Cu), dissolved	µg/l	12	< 0.25	0.86417	< 1
Dissolved oxygen	mg/l	12	8.3	11.25	15.1
Iron (Fe)	mg/l	12	0.013	0.18508	0.38
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Magnesium (Mg++)	mg/l	12	11.6	15.38333	18.6
Manganese (Mn)	mg/l	12	< 0.0025	0.01729	0.041
Mercury (Hg), dissolved	µg/l	12	< 0.0015	0.03125	0.087
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5
Nitrate (NO3-N)	mg/l	12	1.07	1.935	3.24
Nitrite (NO2-N)	mg/l	2	0.025	0.0265	0.028
Organic nitrogen	mg/l	2	0.33	0.335	0.34
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.04375	0.09
Petroleum hydrocarbons	mg/l	11	< 0.01	0.02	0.03
Phenol index	mg/l	12	< 0.001	0.00142	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	1.2	25.68571	61.89
Potassium (K+)	mg/l	12	1.8	2.66667	3.2
Silicates (SiO2)	mg/l	12	1.7	5.34167	7.6
Sodium (Na+)	mg/l	12	9.3	14.76667	19.8
Sulphate (SO4--)	mg/l	12	24.7	35.31667	44
Suspended solids	mg/l	12	5	13.66667	26
TOC	mg/l	12	2	2.85	4.3
Temperature	°C	12	2	12.09167	21.7
Total nitrogen	mg/l	12	1.79	2.495	3.66
Total phosphorus	mg/l	12	0.05	0.08	0.12

River: Danube **Catchment:** 183350.00
Distance from mouth: 1707 **Altitude:** 100
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus, dissolved	mg/l	12	< 0.015	0.0525	0.09
Zinc (Zn), dissolved	µg/l	12	< 5	< 7.5	< 10
pH	-	11	8.14	8.33364	8.67

8.70	14.80
0.025	0.05
60.60	74.10
18.90	26.70
0.10	1.00
420.00	544.00
1.00	1.00
11.40	8.40
0.144	0.333
0.50	0.50
15.50	18.30
0.0125	0.038
0.025	0.05
0.50	0.50
1.60	3.16

0.04	0.08
0.02	0.03
0.001	0.001
61.89	61.89
2.70	3.10
5.60	7.60
15.30	18.30
32.00	43.90
13.00	25.00
2.90	3.60
11.50	21.60
2.09	3.61
0.07	0.11

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km2 **2011**
m **SK5**

C50	C90
0.05	0.09
5.00	10.00
8.27	8.18

km2 2011
m SK5

C50	C90
-----	-----

3.42	4.41
0.02	0.09
0.50	1.20
1.50	4.00
8.30	13.20

432.00 560.00
11.30 8.30

1.63 3.17

0.05 0.07

11.50 21.80

2.08 3.70
0.07 0.11

8.29 8.15

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km2 2011
m SK6

C50	C90
20.90	24.50
3.56	3.75
359.00	1140.00
0.06	0.17
0.015	0.03
0.50	1.58
2.90	5.70
4.00	4.00

76.50 83.00

36.90 41.90

0.50 1.00

593.00 642.00

1.00 2.08

10.00 7.60

75.629 183.496

0.32 0.793

20.00 23.00

0.082 0.184

1.87 4.54

0.022 0.029

0.08 0.16

0.03 0.06

0.001 0.001

71.30 71.30

6.20 7.80

7.90 11.40

27.00 34.30

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km2 2011

m SK6

C50	C90
88.60	108.00
23.00	71.00
4.90	5.40
4.00	4.00

Tetrachloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Total nitrogen	mg/l	12	2.37	3.5775	5.76
Total phosphorus	mg/l	12	0.07	0.19	0.31
Total phosphorus, dissolved	mg/l	12	< 0.015	0.12208	0.27
Trichloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25
Zinc (Zn)	µg/l	12	< 5	13	38
Zinc (Zn), dissolved	µg/l	12	< 5	< 7.91667	< 10
p,p'-DDT	µg/l	2	< 0.0115	< 0.0115	< 0.0115
pH	-	12	7.94	8.10833	8.29

River: Danube/Hron **Catchment:** 5416.83
Distance from mouth: 2 **Altitude:** 114
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
AOX	µg/l	12	< 5	10.2	14.8
Alkalinity - total	mmol/l	12	2.25	3.07917	3.82
Aluminium (Al)	µg/l	10	< 5	288.33	881

2.77 5.21
0.17 0.28
0.11 0.18

10.00 22.00
10.00 10.00

8.08 7.98

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km2 2011
m SK7

C50	C90
10.90	13.40
2.96	3.72
881.00	881.00

Aluminium (Al), dissolved	µg/l	2	< 5	< 5	< 5
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.0425	0.12
Anionic active surfactants	mg/l	11	< 0.015	< 0.015	< 0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	6.0475	10.1
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09
BOD (5)	mg/l	12	1.4	2.09167	3.3
COD (Cr)	mg/l	12	< 2.5	6.54167	13.8
Cadmium (Cd), dissolved	µg/l	2	< 0.025	< 0.025	< 0.025
Calcium (Ca ⁺⁺)	mg/l	12	42.7	55.11667	67.1
Chloride (Cl ⁻)	mg/l	12	9.8	14.85833	20.1
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	296	424.25	523
Copper (Cu), dissolved	µg/l	12	< 0.25	1.14333	2.5
Dissolved oxygen	mg/l	12	8.6	11.01667	14.8
Flow	m ³ /s	334	11.151	35.84737	342.629
Iron (Fe)	mg/l	12	0.017	0.26017	0.681
Lead (Pb), dissolved	µg/l	2	< 0.5	< 0.5	< 0.5
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.00625	< 0.01
Macrozoobenthos - number of families	-	1	4	4	4
Macrozoobenthos no. of taxa	-	1	13	13	13
Macrozoobenthos sapr. index	-	1	2.6	2.6	2.6
Magnesium (Mg ⁺⁺)	mg/l	12	12.3	18.68333	24.1
Manganese (Mn)	mg/l	12	< 0.0125	0.06613	0.112
Mercury (Hg), dissolved	µg/l	2	< 0.0015	0.00275	0.004
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.57917	1.45
Nitrate (NO ₃ -N)	mg/l	12	1.39	2.67167	3.39
Nitrite (NO ₂ -N)	mg/l	12	0.006	0.02142	0.048
Organic nitrogen	mg/l	2	< 0.1	0.165	0.23
Orthophosphate (PO ₄ -P)	mg/l	12	0.02	0.08667	0.12
Petroleum hydrocarbons	mg/l	10	< 0.01	0.018	0.03
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	6.16	18.44	32.9
Potassium (K ⁺)	mg/l	12	2.8	3.525	4.7
Silicates (SiO ₂)	mg/l	12	8.6	11.48333	15.8
Sodium (Na ⁺)	mg/l	12	9.6	14.6	20.4

River: Danube/Hron **Catchment:** 5416.83
Distance from mouth: 2 **Altitude:** 114
Location: Middle

0.03	0.10
0.015	0.015
6.16	9.08
0.09	0.09
1.90	2.70
4.00	10.70

54.80	62.30
14.90	17.80
0.10	1.00
415.00	521.00
1.00	2.26
9.90	8.80
27.995	59.789
0.231	0.505

0.01	0.01
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18.60	23.00
0.067	0.101

0.50	0.50
2.87	3.24
0.02	0.03

0.09	0.11
0.03	0.03
0.001	0.001
32.90	32.90
3.20	4.20
10.50	14.90
14.00	19.50

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km2	2011
m	SK7

Determinand name	Unit	N	Min	Mean	Max
Sulphate (SO4--)	mg/l	12	40	58.28333	75.2
Suspended solids	mg/l	12	4	12.91667	41
TOC	mg/l	12	2.1	2.76667	3.4
Temperature	°C	12	1.5	8.225	20.8
Total nitrogen	mg/l	12	1.98	3.14417	3.97
Total phosphorus	mg/l	12	0.05	0.12333	0.17
Total phosphorus, dissolved	mg/l	11	0.03	0.09909	0.13
Zinc (Zn)	µg/l	10	< 10	20.4	42
Zinc (Zn), dissolved	µg/l	12	< 5	11.08333	25
p,p'-DDT	µg/l	12	< 0.001	< 0.00713	< 0.0115
pH	-	12	7.96	8.15917	8.45

River: Danube/Ipoly **Catchment:** 5060.34
Distance from mouth: 12 **Altitude:** 110
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
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C50	C90
59.60	74.20
7.00	29.00
2.90	3.00
4.00	20.20
3.12	3.77
0.13	0.15
0.10	0.13
42.00	42.00
10.00	21.00
0.0115	0.0115
8.15	8.02

km2 2011
m SK8

C50	C90
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AOX	µg/l	12	10.4	15.11667	20.4
Alkalinity - total	mmol/l	12	3.52	4.5025	5.97
Aluminium (Al)	µg/l	10	< 5	526.61	1838
Aluminium (Al), dissolved	µg/l	1	< 5	< 5	< 5
Ammonium (NH4-N)	mg/l	12	< 0.01	0.07417	0.25
Anionic active surfactants	mg/l	12	< 0.015	0.01625	0.03
Arsenic (As), dissolved	µg/l	12	< 0.5	1.15583	2.09
BOD (5)	mg/l	12	0.8	2.125	3.5
COD (Cr)	mg/l	12	4	8.83333	19.1
Calcium (Ca++)	mg/l	12	63.7	77.35	94.1
Chloride (Cl-)	mg/l	12	18.5	27.25833	33.3
Chromium (Cr), total	µg/l	12	< 0.1	< 0.50833	< 1
Conductivity	µS/cm	12	480	598.66667	741
Copper (Cu), dissolved	µg/l	12	< 0.25	0.75667	< 1
Dissolved oxygen	mg/l	12	8.1	11.10833	13.4
Flow	m3/s	365	2.765	16.16581	130.367
Iron (Fe)	mg/l	12	0.015	0.46875	2.21
Macrozoobenthos - number of families	-	1	14	14	14
Macrozoobenthos no. of taxa	-	1	31	31	31
Macrozoobenthos sapr. index	-	1	2	2	2
Magnesium (Mg++)	mg/l	12	20.3	25.025	30.8
Manganese (Mn)	mg/l	12	< 0.0125	0.10679	0.185
Nitrate (NO3-N)	mg/l	12	1.6	2.75917	3.31
Nitrite (NO2-N)	mg/l	12	0.01	0.02017	0.044
Organic nitrogen	mg/l	2	< 0.1	0.28	0.46
Orthophosphate (PO4-P)	mg/l	12	0.05	0.12333	0.21
Petroleum hydrocarbons	mg/l	11	< 0.01	0.01818	0.02
Phenol index	mg/l	12	< 0.001	0.00192	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	3.86	17.07429	40.62
Potassium (K+)	mg/l	12	5.2	7.59167	9.7
Silicates (SiO2)	mg/l	12	11.7	18.91667	23.9
Sodium (Na+)	mg/l	12	16.7	23.90833	30.4
Sulphate (SO4--)	mg/l	12	63.6	76.30833	97.8
Suspended solids	mg/l	12	4	24.58333	77
TOC	mg/l	12	3.5	4.23333	5.7
Temperature	°C	12	2.2	8.38333	22.4
Total nitrogen	mg/l	12	2.24	3.38	4.04
Total phosphorus	mg/l	12	0.1	0.17	0.26

15.60	18.10
4.59	5.48
1838.00	1838.00

0.03	0.16
0.015	0.015
1.08	1.99
2.40	2.90
4.00	16.10
78.20	90.10
27.50	32.40
0.10	1.00
623.00	704.00
1.00	1.00
10.80	9.30
7.99	40.986
0.337	0.567

25.60	28.50
0.102	0.179
2.78	3.30
0.017	0.028

0.12	0.17
0.02	0.02
0.001	0.006
40.62	40.62
7.10	9.40
19.70	20.60
23.10	29.80
71.60	91.50
22.00	41.00
4.10	5.00
4.00	20.70
3.47	4.00
0.16	0.22

River: Danube/Ipoly **Catchment:** 5060.34
Distance from mouth: 12 **Altitude:** 110
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Total phosphorus, dissolved	mg/l	11	0.06	0.15273	0.27
Zinc (Zn)	µg/l	10	< 10	20.3	32
Zinc (Zn), dissolved	µg/l	12	< 5	9.66667	20
pH	-	12	7.88	8.13833	8.3

River: Danube **Catchment:** 805700.00
Distance from mouth: 132 **Altitude:** 4
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.03	3.29667	3.8
Ammonium (NH4-N)	mg/l	12	< 0.01	0.0675	0.15
Anionic active surfactants	mg/l	12	< 0.005	0.0175	0.07

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m SK8

C50	C90
0.14	0.23
32.00	32.00
10.00	16.00
8.16	8.01

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km2 2011
m UA1

C50	C90
3.18	3.65
0.06	0.10
0.01	0.03

BOD (5)	mg/l	12	< 0.00000	1.48333	2.7
COD (Cr)	mg/l	12	13.3	21.1	31.1
COD (Mn)	mg/l	12	3.1	3.71667	4.8
Calcium (Ca++)	mg/l	12	43.4	49.15	59.8
Chloride (Cl-)	mg/l	12	30.3	34.95	39
Chromium (Cr), total	µg/l	12	4	8.75	17
Copper (Cu), dissolved	µg/l	12	2.2	6.29167	36.7
Dissolved oxygen	mg/l	12	6.13	9.355	11.9
Flow	m3/s	365	2340	5338.7671	11600
Lindane (gama-HCH)	µg/l	9	< 0.025	< 0.025	< 0.025
Magnesium (Mg++)	mg/l	12	15.4	19.25833	21.9
Nitrate (NO3-N)	mg/l	12	0.8	1.46667	2
Nitrite (NO2-N)	mg/l	12	< 0.01	0.01983	0.051
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.03958	0.07
Petroleum hydrocarbons	mg/l	12	< 0.0025	< 0.0025	< 0.0025
Silicates (SiO2)	mg/l	12	0.7	2.39167	5.3
Sulphate (SO4--)	mg/l	12	45.9	56.325	66.8
Suspended solids	mg/l	12	24.5	81.06667	281
Temperature	°C	12	1.7	14.475	27
Total phosphorus, dissolved	mg/l	12	0.065	0.12108	0.189
Zinc (Zn), dissolved	µg/l	12	< 1.25	20.5375	153.3
p,p'-DDT	µg/l	9	< 0.025	< 0.025	< 0.025
pH	-	12	7.6	7.95417	8.25

River: Danube **Catchment:** 817000.00
Distance from mouth: 18 **Altitude:** 1
Location: Middle

1.40	2.50
18.70	28.20
3.50	4.30
48.20	59.80
34.70	39.00
8.00	13.00
2.90	5.60
8.86	6.85
4970.00	9530.00
0.025	0.025
19.30	21.80
1.40	2.00
0.02	0.026
0.025	0.07
0.0025	0.0025
2.10	4.70
54.10	66.80
57.40	107.00
11.80	25.10
0.119	0.163
7.20	28.50
0.025	0.025
7.95	7.80

Determinand name	Unit	N	Min	Mean	Max
Alkalinity - total	mmol/l	12	3.04	3.22667	3.46
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.07583	0.2
Anionic active surfactants	mg/l	12	< 0.005	0.01292	0.04
BOD (5)	mg/l	12	0.6	1.79167	3.4
COD (Cr)	mg/l	12	9.4	15.40833	25.8
COD (Mn)	mg/l	12	3.1	3.59167	4.4
Calcium (Ca ⁺⁺)	mg/l	12	21.2	46.2	55.8
Chloride (Cl ⁻)	mg/l	12	30.3	35.53333	39
Chromium (Cr), total	µg/l	12	3	8.41667	20
Dissolved oxygen	mg/l	12	6.46	9.27833	11.7
Flow	m ³ /s	365	1160	2596.1917	5660
Lindane (gamma-HCH)	µg/l	9	< 0.025	< 0.025	< 0.025
Magnesium (Mg ⁺⁺)	mg/l	12	13.9	19.475	24.1
Nitrate (NO ₃ -N)	mg/l	12	0.5	1.375	2.2
Nitrite (NO ₂ -N)	mg/l	12	< 0.01	0.01908	0.044
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.025	0.02792	0.06
Petroleum hydrocarbons	mg/l	12	< 0.0025	< 0.0025	< 0.0025
Silicates (SiO ₂)	mg/l	12	0.96	2.56333	3.96
Sulphate (SO ₄ ⁻⁻)	mg/l	12	53.1	58.33333	64.3
Suspended solids	mg/l	12	13.5	44.78333	117
Temperature	°C	12	1.8	14.80833	27.1
Total phosphorus, dissolved	mg/l	12	0.058	0.12408	0.19
p,p'-DDT	µg/l	9	< 0.025	< 0.025	< 0.025
pH	-	12	7.75	8.05417	8.35

C50	C90
3.20	3.46
0.05	0.13
0.005	0.04
1.60	2.40
14.10	20.80
3.50	4.10
46.90	55.80
34.70	39.00
7.00	18.00
8.43	6.68
2400.00	4580.00
0.025	0.025
19.80	21.30
1.30	2.10
0.021	0.025
0.025	0.025
0.0025	0.0025
2.66	3.45
57.30	64.30
36.40	75.60
14.10	25.60
0.103	0.183
0.025	0.025
8.05	7.90

River: Tisza **Catchment:** 33000.00
Distance from mouth: 342 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH ₄ -N)	mg/l	15	< 0.05	0.17333	0.3
Anionic active surfactants	mg/l	15	< 0.005	0.01154	0.031
BOD (5)	mg/l	15	< 1.5	2.302	4.64
COD (Cr)	mg/l	15	7.4	11.04	15
COD (Mn)	mg/l	15	3.12	4.486	5.8
Cadmium (Cd)	µg/l	15	< 0.25	< 0.25	< 0.25
Calcium (Ca ⁺⁺)	mg/l	15	24	39.53333	62
Chloride (Cl ⁻)	mg/l	15	5.5	36.66667	63.7
Chromium (Cr) - total	µg/l	15	< 2.5	< 2.5	< 2.5
Copper (Cu)	µg/l	15	< 2.5	2.86667	8
Dissolved oxygen	mg/l	15	7.9	10.82067	12.8
Lead (Pb)	µg/l	15	< 2.5	< 2.5	< 2.5
Magnesium (Mg ⁺⁺)	mg/l	15	< 5	13.82667	25.2
Manganese (Mn)	mg/l	15	< 0.0025	0.03017	0.077
Nickel (Ni)	µg/l	15	< 2.5	< 2.5	< 2.5
Nitrate (NO ₃ -N)	mg/l	15	0.6	2.34667	3.3
Nitrite (NO ₂ -N)	mg/l	15	< 0.01	0.03933	0.27
Orthophosphate (PO ₄ -P)	mg/l	15	< 0.025	0.03333	0.07
Petroleum hydrocarbons	mg/l	15	< 0.0025	0.01533	0.033
Sulphate (SO ₄ --)	mg/l	15	12.8	33.33333	62.3
Suspended solids	mg/l	15	6	17.13333	70
Temperature	°C	15	0.2	13.01333	26.5
Total nitrogen	mg/l	4	0.3	0.625	0.8
Zinc (Zn)	µg/l	15	9	27.73333	71
pH	-	15	7.08	7.934	8.43

km2 2011
m UA4

C50	C90
0.20	0.30
0.011	0.014
1.50	3.49
11.00	14.20
4.40	5.60
0.25	0.25
40.00	48.00
35.40	63.70
2.50	2.50
2.50	2.50
10.96	9.52
2.50	2.50
12.60	21.70
0.027	0.069
2.50	2.50
2.40	3.30
0.01	0.09
0.025	0.07
0.015	0.024
34.80	48.90
12.00	34.00
12.20	25.20
0.80	0.80
23.00	54.00
8.01	7.33

River: Iisza/Bodrog/Latori **Catchment:** 4418.00
Distance from mouth: 144 **Altitude:**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max
Ammonium (NH ₄ -N)	mg/l	12	< 0.05	0.25	0.5
Anionic active surfactants	mg/l	12	0.011	0.01767	0.059
BOD (5)	mg/l	12	< 1.5	2.61417	4.25
COD (Cr)	mg/l	12	11	13.70833	17
COD (Mn)	mg/l	12	2.6	4.93167	6.8
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25
Calcium (Ca ⁺⁺)	mg/l	12	24	35.5	44
Chloride (Cl ⁻)	mg/l	12	7	13.20833	31.1
Chromium (Cr) - total	µg/l	12	< 2.5	< 2.5	< 2.5
Copper (Cu)	µg/l	12	< 2.5	3.33333	8
Dissolved oxygen	mg/l	12	6.32	9.23917	11.7
Lead (Pb)	µg/l	12	< 2.5	< 2.5	< 2.5
Magnesium (Mg ⁺⁺)	mg/l	12	< 5	12.98333	22.7
Manganese (Mn)	mg/l	12	< 0.0025	0.02763	0.075
Nickel (Ni)	µg/l	12	< 2.5	< 2.5	< 2.5
Nitrate (NO ₃ -N)	mg/l	12	1.8	3.18333	4.6
Nitrite (NO ₂ -N)	mg/l	12	< 0.01	0.08583	0.21
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.025	0.08542	0.16
Petroleum hydrocarbons	mg/l	12	< 0.0025	0.01392	0.019
Sulphate (SO ₄ ⁻⁻)	mg/l	12	< 5	21.73333	35.1
Suspended solids	mg/l	12	7	11.83333	22

km2 2011
m UA5

C50	C90
0.30	0.40
0.014	0.017
3.00	3.60
13.60	16.00
5.00	6.60
0.25	0.25
36.00	44.00
10.60	16.90
2.50	2.50
2.50	7.00
8.56	7.60
2.50	2.50
12.20	17.00
0.025	0.05
2.50	2.50
3.20	4.40
0.07	0.19
0.08	0.15
0.016	0.019
21.40	32.90
10.00	17.00

8.10 21.40
8.00 17.00
7.60 7.28

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km2 2011
m UA6

C50	C90
5.20	5.20
0.13	0.20
0.02	0.03
2.24	3.28
3.38	4.80
68.00	77.70
39.80	50.60
10.00	10.00
10.00	10.00
8.10	7.20
25.00	25.00
18.60	25.60
26.00	26.00
4.10	7.30
0.06	0.35
0.09	0.16
0.101	0.101

4.40	5.70
35.10	41.90
56.60	72.00
21.00	85.00
11.00	20.00
9.00	9.00
7.56	7.30

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km2 **2011**
m **UA7**

C50	C90
4.00	4.60
0.10	0.27
0.10	0.10
1.50	2.50
9.70	9.70
2.80	4.00
0.25	0.25
64.80	75.50
23.50	33.70
15.00	15.00
10.00	10.00
9.30	7.50
25.00	25.00

15.90	21.10
27.00	27.00
3.10	6.50
0.03	0.06
0.05	0.21
0.093	0.093
3.50	4.30
23.90	36.20
39.50	76.70
10.00	43.00
6.00	26.00
10.00	10.00
7.89	7.65

km2 **2011**
m **UA8**

C50	C90
0.20	0.40
0.014	0.107
3.00	3.50
12.50	15.00
4.70	6.20
0.25	0.25
38.00	42.00
8.40	21.90
2.50	2.50

Copper (Cu)	µg/l	12	< 2.5	3.70833	17
Dissolved oxygen	mg/l	12	6.2	10.29917	13.48
Lead (Pb)	µg/l	12	< 2.5	< 2.5	< 2.5
Magnesium (Mg++)	mg/l	12	< 5	10.58333	16.4
Manganese (Mn)	mg/l	12	< 0.0025	0.018	0.036
Nickel (Ni)	µg/l	12	< 2.5	< 2.5	< 2.5
Nitrate (NO3-N)	mg/l	12	1.6	3.275	5.4
Nitrite (NO2-N)	mg/l	12	< 0.01	0.10667	0.28
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.15167	0.39
Petroleum hydrocarbons	mg/l	12	< 0.0025	0.01475	0.032
Sulphate (SO4--)	mg/l	12	< 5	20.175	37
Suspended solids	mg/l	12	6	10.25	19
Temperature	°C	12	0.4	10.925	22
Zinc (Zn)	µg/l	12	5	19.41667	78
pH	-	12	6.92	7.76917	9.17

2.50	2.50
10.64	6.64
2.50	2.50
10.10	16.40
0.018	0.035
2.50	2.50
2.90	5.10
0.08	0.28
0.09	0.31
0.014	0.02
20.20	32.80
9.00	13.00
8.40	20.00
10.00	51.00
7.60	7.10