

River: Danube **Catchment:** 77086.00 km2 **2013**
Distance from mouth: 2204 **Altitude:** 290 m **AT1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.88	3.21083	3.62	3.04	3.56
Aluminium (Al)	µg/l	12	58	168.31667	546.7	80.50	377.00
Aluminium (Al), dissolved	µg/l	12	< 5	13.90833	28.7	11.50	22.30
Ammonium (NH4-N)	mg/l	38	< 0.004	0.03066	0.08	0.03	0.06
Arsenic (As)	µg/l	12	< 0.5	0.75833	1.7	0.50	1.20
Arsenic (As), dissolved	µg/l	12	< 0.5	0.68333	1.1	0.50	1.10
BOD (5)	mg/l	12	1.1	2.05833	2.8	2.10	2.70
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	48	55.5	64.2	55.00	62.60
Chloride (Cl-)	mg/l	12	12	18.31667	28.5	16.20	24.30
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	301	366	440	358.00	423.00
Copper (Cu)	µg/l	12	1.2	1.96667	3.1	1.70	3.00
Copper (Cu), dissolved	µg/l	12	1.1	1.4	2	1.40	1.90
DOC	mg/l	12	1.4	1.89167	2.6	1.70	2.40
Dissolved oxygen	mg/l	12	8.9	10.75	12.8	10.10	9.30
Flow	m3/s	365	782	1671.5260	9600	1388.00	2660.00
Iron (Fe)	mg/l	12	0.1	0.31917	1.25	0.20	0.52
Lead (Pb)	µg/l	12	< 0.5	0.59167	1.6	0.50	0.50
Lead (Pb), dissolved	µg/l	12	< 0.5	0.58333	1.5	0.50	0.50
Macrozoobenthos sapr. index	-	1	2.47	2.47	2.47		
Magnesium (Mg++)	mg/l	12	10.7	13.01667	14.6	13.60	14.40
Manganese (Mn)	mg/l	12	< 0.005	0.01617	0.035	0.016	0.022
Mercury (Hg)	µg/l	12	< 0.025	0.02875	0.07	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.02875	0.07	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.5	1.2	3.7	0.50	2.50
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.54167	1	0.50	0.50
Nitrate (NO3-N)	mg/l	38	1.18	2.04895	3.2	1.95	2.80
Nitrite (NO2-N)	mg/l	38	0.005	0.01176	0.021	0.012	0.018
Orthophosphate (PO4-P)	mg/l	38	< 0.0025	0.02684	0.06	0.029	0.041
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	3.1	3.1	3.1		
Potassium (K+)	mg/l	12	1.7	2.35	2.8	2.50	2.70
Sodium (Na+)	mg/l	12	8.1	11.69167	15.3	11.00	15.30
Sulphate (SO4--)	mg/l	12	19.1	23.35	27.5	22.80	27.10
Suspended solids	mg/l	12	< 0.25	13.12917	47.2	7.20	35.90
TOC	mg/l	12	1.5	1.99167	2.7	1.90	2.70

River: Danube **Catchment:** 77086.00 km2 **2013**
Distance from mouth: 2204 **Altitude:** 290 m **AT1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	2.3	11	21.3	11.30	17.70
Total phosphorus	mg/l	38	0.028	0.06053	0.16	0.054	0.11
Total phosphorus, dissolved	mg/l	38	0.015	0.03976	0.098	0.039	0.052
Zinc (Zn)	µg/l	12	1	3.59167	12.2	3.00	4.00
Zinc (Zn), dissolved	µg/l	12	< 0.5	2.4	10.4	1.30	4.00
pH	-	12	8.1	8.225	8.4	8.20	8.10

25.06.2015

Page 2 of

River: Danube **Catchment:** 101700.00 km2 **2013**
Distance from mouth: 1935 **Altitude:** 159 m **AT3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.81	3.09917	3.64	3.04	3.56
Aluminium (Al)	µg/l	12	44.7	138.975	461	88.50	267.40
Aluminium (Al), dissolved	µg/l	12	< 5	10.89167	22.2	5.00	19.90
Ammonium (NH4-N)	mg/l	12	< 0.004	0.02467	0.075	0.02	0.048
Arsenic (As)	µg/l	12	< 0.5	0.73333	1.4	0.50	1.20
Arsenic (As), dissolved	µg/l	12	< 0.5	0.56667	1.3	0.50	0.50
BOD (5)	mg/l	12	< 0.5	2.175	2.9	2.20	2.60
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	46.3	54.15833	64.1	51.50	60.00
Chloride (Cl-)	mg/l	12	11.9	16.6	25.6	14.70	20.80

Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	309	362.91667	434	364.00	410.00
Copper (Cu)	µg/l	12	1.3	1.99167	3.7	1.90	2.90
Copper (Cu), dissolved	µg/l	12	< 0.5	1.55833	2.4	1.50	2.00
DOC	mg/l	12	1.4	1.88333	2.2	1.80	2.20
Dissolved oxygen	mg/l	12	8.9	10.775	12.8	10.40	9.20
Flow	m3/s	365	1059	2213.1369	10734	1797.00	3359.00
Iron (Fe)	mg/l	12	0.05	0.27333	0.89	0.16	0.53
Lead (Pb)	µg/l	12	< 0.5	0.6	1.7	0.50	0.50
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Macrozoobenthos sapr. index	-	1	2.27	2.27	2.27		
Magnesium (Mg++)	mg/l	12	11.1	13.15	14.9	13.50	14.50
Manganese (Mn)	mg/l	12	< 0.005	0.01825	0.06	0.012	0.045
Mercury (Hg)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.5	0.85	2.2	0.50	1.20
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.38	2.005	3.2	1.70	2.70
Nitrite (NO2-N)	mg/l	12	0.005	0.01125	0.028	0.007	0.017
Orthophosphate (PO4-P)	mg/l	12	0.006	0.02225	0.035	0.024	0.035
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	4.5	4.5	4.5		
Potassium (K+)	mg/l	12	1.5	2.26667	2.9	2.30	2.70
Sodium (Na+)	mg/l	12	7.8	10.775	13.9	10.70	13.50
Sulphate (SO4--)	mg/l	12	17.3	23.99167	29.3	23.90	29.10
Suspended solids	mg/l	12	< 0.25	13.45	64.1	7.60	29.60
TOC	mg/l	12	1.5	2.01667	2.4	2.00	2.40

25.06.2015

Page 3 of

River: Danube **Catchment:** 101700.00 km2 **2013**
Distance from mouth: 1935 **Altitude:** 159 m **AT3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	2.7	12.025	22.4	11.70	19.80
Total phosphorus	mg/l	12	0.023	0.0405	0.054	0.04	0.05
Total phosphorus, dissolved	mg/l	12	0.019	0.03633	0.046	0.037	0.045
Zinc (Zn)	µg/l	12	< 0.5	3.33333	11.4	2.20	6.60
Zinc (Zn), dissolved	µg/l	12	< 0.5	2.23333	11.4	1.40	3.00
pH	-	12	8.1	8.26667	8.4	8.20	8.20

River: Danube **Catchment:** 84869.00 km2 **2013**
Distance from mouth: 2113 **Altitude:** 241 m **AT5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.92	3.28917	3.7	3.20	3.59
Aluminium (Al)	µg/l	12	46	197.49167	774	118.60	379.90
Aluminium (Al), dissolved	µg/l	12	< 5	12.60833	28.3	5.00	27.60
Ammonium (NH4-N)	mg/l	12	< 0.004	0.0265	0.07	0.022	0.043
Arsenic (As)	µg/l	12	< 0.5	0.73333	1.5	0.50	1.30
Arsenic (As), dissolved	µg/l	12	< 0.5	0.6	1.2	0.50	1.00
BOD (5)	mg/l	12	< 0.5	1.9	3	1.70	2.70
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	47.7	55.725	65.4	54.10	63.00
Chloride (Cl-)	mg/l	12	12.6	19.125	30.5	17.00	24.80
Chromium (Cr) - total	µg/l	12	< 0.5	0.58333	1.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	315	376.25	460	366.00	424.00
Copper (Cu)	µg/l	12	1.3	1.88333	3.5	1.60	2.20
Copper (Cu), dissolved	µg/l	12	1	1.30833	1.7	1.30	1.50
DOC	mg/l	12	1.5	1.93333	2.5	1.90	2.30
Dissolved oxygen	mg/l	12	8.6	10.74167	12.7	10.40	9.40
Flow	m3/s	365	849	1816.9835	8699	1509.00	2826.00
Iron (Fe)	mg/l	12	0.11	0.385	1.25	0.22	0.84
Lead (Pb)	µg/l	12	< 0.5	0.69167	1.8	0.50	1.50
Lead (Pb), dissolved	µg/l	12	< 0.5	0.58333	1.5	0.50	0.50

Macrozoobenthos sapr. index	-	1	1.88	1.88	1.88		
Magnesium (Mg++)	mg/l	12	10.3	12.89167	14.8	13.00	14.70
Manganese (Mn)	mg/l	12	< 0.005	0.01983	0.058	0.02	0.024
Mercury (Hg)	µg/l	12	< 0.025	0.03042	0.09	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.02875	0.07	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.5	1.04167	3.2	0.50	1.90
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.33	2.14917	3	1.86	3.00
Nitrite (NO2-N)	mg/l	12	0.007	0.01325	0.024	0.01	0.018
Orthophosphate (PO4-P)	mg/l	12	0.01	0.02667	0.039	0.022	0.038
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	3.3	3.3	3.3		
Potassium (K+)	mg/l	12	1.6	2.36667	2.9	2.30	2.90
Sodium (Na+)	mg/l	12	9.6	12.275	17.2	11.90	16.20
Sulphate (SO4--)	mg/l	12	17.6	23.44167	30.2	23.90	28.80
Suspended solids	mg/l	12	< 0.25	17.60833	125.2	7.00	19.30
TOC	mg/l	12	1.5	2	2.6	2.00	2.30

25.06.2015

Page 5 of

River: Danube **Catchment:** 84869.00 km2 **2013**
Distance from mouth: 2113 **Altitude:** 241 m **AT5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	2.8	11.14167	20.1	11.40	19.40
Total phosphorus	mg/l	12	0.022	0.04583	0.065	0.049	0.055
Total phosphorus, dissolved	mg/l	12	0.022	0.04167	0.062	0.039	0.053
Zinc (Zn)	µg/l	12	< 0.5	4.80833	16.1	3.60	11.20
Zinc (Zn), dissolved	µg/l	12	< 0.5	2.34167	11.2	1.30	4.00
pH	-	12	8.1	8.19167	8.3	8.20	8.10

River: Danube **Catchment:** 130759.00 km2 **2013**
Distance from mouth: 1879 **Altitude:** 136 m **AT6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	4.47	15.10583	23.8	14.90	23.80
Alkalinity - total	mmol/l	24	2.8	3.20042	3.65	3.17	3.60
Aluminium (Al)	µg/l	12	71.6	142.04167	409	95.90	270.00
Aluminium (Al), dissolved	µg/l	12	< 5	13.04167	29.9	11.20	25.40
Ammonium (NH4-N)	mg/l	24	< 0.004	0.04533	0.15	0.019	0.13
Arsenic (As)	µg/l	12	< 0.5	0.69167	1.4	0.50	1.20
Arsenic (As), dissolved	µg/l	12	< 0.5	0.61667	1.3	0.50	1.10
BOD (5)	mg/l	24	1.5	2.20417	3.4	2.10	2.70
COD (Cr)	mg/l	11	4.74	9.26636	11.49	10.30	11.40
COD (Mn)	mg/l	1	16.9	16.9	16.9		
Cadmium (Cd)	µg/l	12	< 0.05	0.06917	0.28	0.05	0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.05917	0.16	0.05	0.05
Calcium (Ca++)	mg/l	24	46.9	55.1875	67	53.00	60.60
Chloride (Cl-)	mg/l	24	10	18.60833	33.4	15.90	24.60
Chromium (Cr) - total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	24	287	372.66667	465	375.00	432.00
Copper (Cu)	µg/l	12	2	3.19167	5.2	3.30	4.40
Copper (Cu), dissolved	µg/l	12	1.5	1.925	2.7	1.90	2.50
DOC	mg/l	24	1.5	2.1	3	2.10	2.50
Dissolved oxygen	mg/l	24	8.7	10.98333	13.6	10.40	9.30
Flow	m3/s	365	1142	2376.4712	10570	1908.00	3732.00

Iron (Fe)	mg/l	12	0.12	0.29333	0.81	0.21	0.67
Lead (Pb)	µg/l	12	< 0.5	0.74167	1.9	0.50	1.50
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Macrozoobenthos sapr. index	-	2	1.98	1.98	1.98		
Magnesium (Mg++)	mg/l	24	11.1	13.21667	15.6	12.90	14.80
Manganese (Mn)	mg/l	12	< 0.005	0.02025	0.062	0.016	0.027
Mercury (Hg)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.5	1.34167	2.8	1.10	2.10
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.68333	2	0.50	1.20
Nitrate (NO3-N)	mg/l	24	1.33	2.13958	3.2	1.90	2.90
Nitrite (NO2-N)	mg/l	24	0.004	0.01542	0.042	0.013	0.031
Orthophosphate (PO4-P)	mg/l	24	< 0.0025	0.02873	0.051	0.031	0.042
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.4	4.75	7.1		
Potassium (K+)	mg/l	24	1.6	2.59583	3.7	2.60	3.10
Sodium (Na+)	mg/l	24	7.8	12.07917	21	10.80	15.90

25.06.2015

Page 7 of

River: Danube **Catchment:** 130759.00 km2 **2013**
Distance from mouth: 1879 **Altitude:** 136 m **AT6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	24	18.9	24.6375	32.5	24.40	28.10
Suspended solids	mg/l	24	< 0.25	16.42292	96.9	10.40	43.90
TOC	mg/l	24	1.7	2.32917	3.3	2.40	2.70
Temperature	°C	24	2.2	11.20417	23.9	11.40	19.20
Total phosphorus	mg/l	24	0.027	0.05471	0.101	0.056	0.067
Total phosphorus, dissolved	mg/l	24	0.025	0.04758	0.089	0.049	0.06
Zinc (Zn)	µg/l	12	2.2	14.51667	48	9.60	23.30
Zinc (Zn), dissolved	µg/l	12	1	5.29167	13	4.90	9.30
pH	-	24	8	8.24583	8.5	8.20	8.10

River: Sava/Drina **Catchment:** 19226.00 km2 **2013**
Distance from mouth: 16 **Altitude:** 90 m **BA10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.5	2.85667	3.08	2.88	3.04
Ammonium (NH4-N)	mg/l	12	0.03	0.04325	0.11	0.03	0.06
Arsenic (As), dissolved	µg/l	12	0.74	0.92417	1.91	0.74	1.34
BOD (5)	mg/l	12	0.5	2.07917	3.63	1.89	3.24
COD (Cr)	mg/l	12	9	9.83333	19	9.00	9.00
Calcium (Ca++)	mg/l	12	44.7	50.61667	59.9	49.80	54.20
Chloride (Cl-)	mg/l	12	1.32	3.10417	7.94	2.17	6.19
Chromium (Cr), total	µg/l	12	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	12	244	274.75	297	278.00	290.00
Copper (Cu), dissolved	µg/l	12	1.06	2.61667	5.84	1.98	4.94
Dissolved oxygen	mg/l	12	7.3	9.88833	13.8	9.60	7.95
Macrozoobenthos sapr. index	-	2	2	2.14	2.28		
Magnesium (Mg++)	mg/l	12	5	7.1	11.5	5.80	10.70
Nitrate (NO3-N)	mg/l	12	0.28	0.615	1.44	0.50	1.07
Nitrite (NO2-N)	mg/l	12	0.005	0.00542	0.007	0.005	0.006
Orthophosphate (PO4-P)	mg/l	12	0.007	0.00742	0.01	0.007	0.009
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.3	0.94917	1.5	0.98	1.33
Suspended solids	mg/l	12	2.6	22.93333	121	5.40	83.80
Temperature	°C	12	5	12.925	23.4	13.00	20.50
Total nitrogen	mg/l	12	1.29	1.745	2.45	1.51	2.36
Total phosphorus	mg/l	12	0.007	0.02075	0.083	0.013	0.029
Total phosphorus, dissolved	mg/l	12	0.007	0.0095	0.018	0.007	0.013

Zinc (Zn), dissolved	µg/l	12	6.57	11.4975	22.43	9.40	15.62
pH	-	12	7.8	8.2875	8.6	8.22	8.09

25.06.2015

Page 9 of

River: Sava **Catchment:** 64125.00 km2 **2013**
Distance from mouth: 190 **Altitude:** 80 m **BA11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.24	3.75333	4.1	3.92	4.02
Ammonium (NH4-N)	mg/l	12	0.03	0.059	0.14	0.05	0.09
Arsenic (As), dissolved	µg/l	12	0.74	0.77917	1.11	0.74	0.81
BOD (5)	mg/l	12	0.98	2.4075	4.19	2.25	3.60
COD (Cr)	mg/l	12	9	10.46667	22	9.00	13.60
Calcium (Ca++)	mg/l	12	55.4	64.30833	75.9	61.80	69.90
Chloride (Cl-)	mg/l	12	4.67	18.4425	41.7	13.95	31.90
Chromium (Cr), total	µg/l	12	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	12	372	428.33333	530	396.00	504.00
Copper (Cu), dissolved	µg/l	12	1.21	2.36333	4.9	1.92	3.64
Dissolved oxygen	mg/l	12	6.25	8.82833	12	8.18	7.00
Macrozoobenthos sapr. index	-	2	2.13	2.165	2.2		
Magnesium (Mg++)	mg/l	12	7.7	12.9	20.7	11.80	17.00
Nitrate (NO3-N)	mg/l	12	0.48	1.03333	1.97	1.01	1.29
Nitrite (NO2-N)	mg/l	12	0.005	0.01225	0.029	0.011	0.022
Orthophosphate (PO4-P)	mg/l	12	0.007	0.02983	0.044	0.035	0.04
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	0.59	3.64692	12.53	1.77	7.70
Suspended solids	mg/l	12	2.6	10.55	32.6	6.60	21.30
Temperature	°C	12	5.7	15.05833	29	15.50	25.00
Total nitrogen	mg/l	12	1.53	2.1575	2.98	2.03	2.80
Total phosphorus	mg/l	12	0.033	0.0655	0.119	0.063	0.074
Total phosphorus, dissolved	mg/l	12	0.007	0.03942	0.059	0.04	0.05
Zinc (Zn), dissolved	µg/l	12	5.55	10.6925	18.62	9.30	17.20
pH	-	12	7.53	8.19083	8.69	8.20	7.91

River: Sava/Una **Catchment:** 4573.00 km2 **2013**
Distance from mouth: 70 **Altitude:** 137 m **BA12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	4.16	4.21	4.34	4.34	4.34
Ammonium (NH4-N)	mg/l	4	0.03	0.0475	0.1	0.10	0.10
Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	4	1.08	1.775	2.42	2.42	2.42
COD (Cr)	mg/l	4	9	9	9	9.00	9.00
Calcium (Ca++)	mg/l	4	72.6	73.525	75.4	75.40	75.40
Chloride (Cl-)	mg/l	4	2.07	4.7675	6.2	6.20	6.20
Chromium (Cr), total	µg/l	4	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	4	378	404.75	435	435.00	435.00
Copper (Cu), dissolved	µg/l	4	1.14	2.765	5.07	5.07	5.07
Dissolved oxygen	mg/l	4	8.62	10.1425	13	8.62	8.62
Macrozoobenthos sapr. index	-	2	1.94	2	2.06		
Magnesium (Mg++)	mg/l	4	8.5	10.6	13.1	13.10	13.10
Nitrate (NO3-N)	mg/l	4	0.39	0.425	0.47	0.47	0.47
Nitrite (NO2-N)	mg/l	4	0.005	0.005	0.005	0.005	0.005
Orthophosphate (PO4-P)	mg/l	4	0.007	0.00775	0.01	0.01	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	4	1.91	1.985	2.14	2.14	2.14
Suspended solids	mg/l	4	2.6	4.975	8.2	8.20	8.20
Temperature	°C	4	11.5	15.1	20	20.00	20.00
Total nitrogen	mg/l	4	1.4	1.435	1.48	1.48	1.48
Total phosphorus	mg/l	4	0.009	0.01775	0.026	0.026	0.026
Total phosphorus, dissolved	mg/l	4	0.007	0.0125	0.016	0.016	0.016
Zinc (Zn), dissolved	µg/l	4	7.51	15.32	26.71	26.71	26.71
pH	-	4	8.3	8.4425	8.55	8.30	8.30

River: Sava/Bosna **Catchment:** 7313.00 km2 **2013**
Distance from mouth: 78 **Altitude:** 148 m **BA13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	2.92	3.44	3.7	3.70	3.70
Ammonium (NH ₄ -N)	mg/l	4	0.03	0.075	0.11	0.11	0.11
Arsenic (As), dissolved	µg/l	4	1.41	2.62	3.59	3.59	3.59
BOD (5)	mg/l	4	1.41	2.18	2.83	2.83	2.83
COD (Cr)	mg/l	4	9	9.25	10	10.00	10.00
Calcium (Ca ⁺⁺)	mg/l	4	53.2	62.4	68.6	68.60	68.60
Chloride (Cl ⁻)	mg/l	4	2.65	6.32	7.98	7.98	7.98
Chromium (Cr), total	µg/l	4	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	4	316	404.75	477	477.00	477.00
Copper (Cu), dissolved	µg/l	4	1.36	3.0775	4.06	4.06	4.06
Dissolved oxygen	mg/l	4	7.08	8.3025	10.18	7.08	7.08
Macrozoobenthos sapr. index	-	2	2.16	2.185	2.21		
Magnesium (Mg ⁺⁺)	mg/l	4	7.1	10.775	13.4	13.40	13.40
Nitrate (NO ₃ -N)	mg/l	4	0.82	1.2375	1.72	1.72	1.72
Nitrite (NO ₂ -N)	mg/l	4	0.025	0.0575	0.135	0.135	0.135
Orthophosphate (PO ₄ -P)	mg/l	4	0.03	0.06275	0.095	0.095	0.095
Phytoplankton (biomass - chlorophyll-a)	µg/l	4	1.89	2.095	2.22	2.22	2.22
Suspended solids	mg/l	4	2.6	15.65	29.4	29.40	29.40
Temperature	°C	4	13.3	17.05	22.3	22.30	22.30
Total nitrogen	mg/l	4	1.85	2.5975	4.06	4.06	4.06
Total phosphorus	mg/l	4	0.055	0.098	0.131	0.131	0.131
Total phosphorus, dissolved	mg/l	4	0.041	0.0785	0.125	0.125	0.125
Zinc (Zn), dissolved	µg/l	4	1.17	7.0975	11.4	11.40	11.40
pH	-	4	8.35	8.4625	8.64	8.35	8.35

River: Sava **Catchment:** 39150.00 km2 **2013**
Distance from mouth: 457 **Altitude:** 86 m **BA5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.4	3.85	4.3	3.70	4.22
Ammonium (NH4-N)	mg/l	12	0.03	0.09825	0.39	0.05	0.14
Arsenic (As), dissolved	µg/l	12	0.74	0.93083	2.29	0.74	1.24
BOD (5)	mg/l	12	0.99	2.2075	3.79	2.12	3.68
COD (Cr)	mg/l	12	9	9	9	9.00	9.00
Calcium (Ca++)	mg/l	12	55.1	66.00833	91.5	62.10	75.90
Chloride (Cl-)	mg/l	12	4.11	8.89667	29.3	5.12	12.61
Chromium (Cr), total	µg/l	12	2.7	2.71083	2.83	2.70	2.70
Conductivity	µS/cm	12	334	409.16667	595	392.00	530.00
Copper (Cu), dissolved	µg/l	12	1.28	3.84583	8.26	3.01	6.49
Dissolved oxygen	mg/l	11	5.7	8.84	13.27	9.26	6.16
Macrozoobenthos sapr. index	-	2	2.11	2.12	2.13		
Magnesium (Mg++)	mg/l	12	8.3	11.9	17.2	11.30	15.20
Nitrate (NO3-N)	mg/l	12	0.07	0.845	2.24	0.74	1.47
Nitrite (NO2-N)	mg/l	12	0.005	0.01592	0.036	0.013	0.025
Orthophosphate (PO4-P)	mg/l	12	0.007	0.04325	0.088	0.041	0.076
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	0.59	3.12818	9.76	1.78	4.88
Suspended solids	mg/l	12	2.6	12.80833	60.6	7.40	20.20
Temperature	°C	11	5.8	13.43636	25	13.50	23.00
Total nitrogen	mg/l	12	1.08	1.94917	3.26	1.76	3.18
Total phosphorus	mg/l	12	0.034	0.08192	0.129	0.085	0.126
Total phosphorus, dissolved	mg/l	12	0.02	0.05375	0.124	0.045	0.088
Zinc (Zn), dissolved	µg/l	12	4.28	12.07917	21.53	12.48	20.45
pH	-	12	7.76	8.15583	8.62	8.15	7.81

River: Sava/Una **Catchment:** 9130.00 km2 **2013**
Distance from mouth: 16 **Altitude:** 94 m **BA6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.78	4.20333	4.92	4.10	4.70
Ammonium (NH4-N)	mg/l	12	0.03	0.04583	0.16	0.03	0.06
Arsenic (As), dissolved	µg/l	12	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	12	1.05	2.24083	4.26	1.82	3.96
COD (Cr)	mg/l	12	9	9.6	16.2	9.00	9.00
Calcium (Ca++)	mg/l	12	61.5	73.025	90.1	70.50	85.40
Chloride (Cl-)	mg/l	12	1.48	6.49	22.61	3.74	15.40
Chromium (Cr), total	µg/l	12	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	12	378	423.41667	495	410.00	470.00
Copper (Cu), dissolved	µg/l	12	1.06	2.88583	6.04	2.50	5.70
Dissolved oxygen	mg/l	11	6.5	10.19364	12.1	10.23	8.66
Macrozoobenthos sapr. index	-	2	2.14	2.225	2.31		
Magnesium (Mg++)	mg/l	12	5	11.75	14.1	12.20	14.00
Nitrate (NO3-N)	mg/l	12	0.07	0.46583	0.85	0.43	0.78
Nitrite (NO2-N)	mg/l	12	0.005	0.00558	0.008	0.005	0.007
Orthophosphate (PO4-P)	mg/l	12	0.007	0.00808	0.014	0.007	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	0.15	1.44782	4.3	1.036	3.26
Suspended solids	mg/l	11	2.6	6.95455	18.8	4.80	16.60
Temperature	°C	11	6.4	13.32727	22	13.20	20.00
Total nitrogen	mg/l	12	1.08	1.47583	1.86	1.44	1.79
Total phosphorus	mg/l	12	0.011	0.02442	0.036	0.021	0.034
Total phosphorus, dissolved	mg/l	12	0.007	0.0145	0.021	0.014	0.021
Zinc (Zn), dissolved	µg/l	12	2.25	11.915	21.64	10.99	19.69
pH	-	12	7.9	8.2925	8.68	8.27	7.99

River: Sava/Vrbas **Catchment:** 6023.00 km2 **2013**
Distance from mouth: 12 **Altitude:** 100 m **BA7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.5	3.74833	4.16	3.70	4.08
Ammonium (NH4-N)	mg/l	12	0.03	0.07667	0.21	0.06	0.11
Arsenic (As), dissolved	µg/l	12	0.74	1.64833	11.1	0.74	1.24
BOD (5)	mg/l	12	0.98	2.64167	5.13	2.56	3.79
COD (Cr)	mg/l	12	9	9.26667	12.2	9.00	9.00
Calcium (Ca++)	mg/l	12	64.4	70.46667	78.7	67.60	76.60
Chloride (Cl-)	mg/l	12	2.12	5.2175	13.2	4.54	8.07
Chromium (Cr), total	µg/l	12	2.7	2.71083	2.83	2.70	2.70
Conductivity	µS/cm	12	340	408.75	486	405.00	462.00
Copper (Cu), dissolved	µg/l	12	1.06	2.78	5.47	2.39	4.80
Dissolved oxygen	mg/l	12	7.17	9.84083	11.9	9.70	8.81
Macrozoobenthos sapr. index	-	2	2.22	2.28	2.34		
Magnesium (Mg++)	mg/l	12	6.9	10.625	15.3	10.30	14.10
Nitrate (NO3-N)	mg/l	12	0.07	0.75083	1.85	0.64	1.28
Nitrite (NO2-N)	mg/l	12	0.006	0.01517	0.03	0.013	0.021
Orthophosphate (PO4-P)	mg/l	12	0.007	0.02617	0.063	0.02	0.046
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.3	3.24208	14.05	1.55	6.13
Suspended solids	mg/l	12	2.6	11.575	33.2	7.20	19.20
Temperature	°C	12	6.34	13.12	23.3	12.00	19.00
Total nitrogen	mg/l	12	1.08	1.76833	2.88	1.65	2.30
Total phosphorus	mg/l	12	0.028	0.05975	0.148	0.045	0.081
Total phosphorus, dissolved	mg/l	12	0.015	0.0335	0.064	0.029	0.063
Zinc (Zn), dissolved	µg/l	12	2.43	11.5175	21.89	10.34	20.33
pH	-	12	7.83	8.23667	8.49	8.30	7.95

River: Sava/Bosna **Catchment:** 11.00 km2 **2013**
Distance from mouth: 24 **Altitude:** 114 m **BA8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.76	3.30333	4.2	3.16	3.64
Ammonium (NH4-N)	mg/l	12	0.03	0.145	0.39	0.10	0.29
Arsenic (As), dissolved	µg/l	12	0.74	1.5325	3.44	1.13	3.07
BOD (5)	mg/l	12	1.41	2.64833	5.42	1.91	3.78
COD (Cr)	mg/l	12	9	9.68333	13.2	9.00	12.20
Calcium (Ca++)	mg/l	12	56.7	95.94167	154	76.60	136.00
Chloride (Cl-)	mg/l	12	6.17	54.435	167	37.30	139.60
Chromium (Cr), total	µg/l	12	2.7	3.10083	6.05	2.70	4.03
Conductivity	µS/cm	12	391	780.66667	1620	650.00	1139.00
Copper (Cu), dissolved	µg/l	12	1.24	4.36833	16.71	3.32	6.65
Dissolved oxygen	mg/l	12	4.62	8.96833	11.77	9.20	6.20
Macrozoobenthos sapr. index	-	2	2.38	2.385	2.39		
Magnesium (Mg++)	mg/l	12	8.3	13.19167	20.9	12.90	17.10
Nitrate (NO3-N)	mg/l	12	0.08	1.06333	1.89	1.09	1.50
Nitrite (NO2-N)	mg/l	12	0.012	0.06317	0.283	0.031	0.135
Orthophosphate (PO4-P)	mg/l	12	0.007	0.03142	0.058	0.03	0.054
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.6	4.32	11.84	2.59	8.78
Suspended solids	mg/l	12	2.6	22.75833	75.8	12.40	60.60
Temperature	°C	12	4.3	13.61667	23.1	13.00	22.40
Total nitrogen	mg/l	12	1.13	2.1625	3.58	2.12	2.54
Total phosphorus	mg/l	12	0.035	0.07675	0.138	0.069	0.123
Total phosphorus, dissolved	mg/l	12	0.009	0.04508	0.1	0.037	0.069
Zinc (Zn), dissolved	µg/l	12	1.17	10.33083	21.65	8.53	21.06
pH	-	12	8.02	8.25583	8.46	8.30	8.03

River: Sava/Drina **Catchment:** 3884.00 km2 **2013**
Distance from mouth: 234 **Altitude:** 442 m **BA9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	2.56	2.78	2.98	2.98	2.98
Ammonium (NH4-N)	mg/l	4	0.03	0.05975	0.119	0.119	0.119
Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	4	1.25	2.1675	2.97	2.97	2.97
COD (Cr)	mg/l	4	9	9	9	9.00	9.00
Calcium (Ca++)	mg/l	4	43.1	50.275	54.6	54.60	54.60
Chloride (Cl-)	mg/l	4	1.48	3.3175	8.1	8.10	8.10
Chromium (Cr), total	µg/l	4	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	4	214	248.5	272	272.00	272.00
Copper (Cu), dissolved	µg/l	4	1.06	2.335	4.28	4.28	4.28
Dissolved oxygen	mg/l	4	7.61	11.475	13.55	7.61	7.61
Macrozoobenthos sapr. index	-	2	1.81	1.87	1.93		
Magnesium (Mg++)	mg/l	4	5	5	5	5.00	5.00
Nitrate (NO3-N)	mg/l	4	0.3	0.39	0.55	0.55	0.55
Nitrite (NO2-N)	mg/l	4	0.005	0.005	0.005	0.005	0.005
Orthophosphate (PO4-P)	mg/l	4	0.007	0.0095	0.016	0.016	0.016
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.73	1.83667	1.98		
Suspended solids	mg/l	4	2.6	7.825	11.7	11.70	11.70
Temperature	°C	4	9.6	10.75	11.8	11.80	11.80
Total nitrogen	mg/l	4	1.31	1.4	1.56	1.56	1.56
Total phosphorus	mg/l	4	0.007	0.0155	0.026	0.026	0.026
Total phosphorus, dissolved	mg/l	4	0.007	0.01075	0.02	0.02	0.02
Zinc (Zn), dissolved	µg/l	4	7.9	11.1925	16.25	16.25	16.25
pH	-	4	8.02	8.3125	8.53	8.02	8.02

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3	3.24167	3.4	3.30	3.40
Aluminium (Al), dissolved	µg/l	12	1.14	43.78167	339	4.41	72.70
Ammonium (NH4-N)	mg/l	12	0.037	0.082	0.133	0.066	0.124
Anionic active surfactants	mg/l	12	< 0.05	0.10392	0.247	0.05	0.238
Arsenic (As), dissolved	µg/l	12	1.08	1.68	2.28	1.65	2.23
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	2.9	3.575	4.4	3.40	4.00
COD (Cr)	mg/l	12	10.5	11.65	13.8	11.40	12.30
COD (Mn)	mg/l	12	3	3.71667	4.5	3.50	4.20
Cadmium (Cd), dissolved	µg/l	12	< 0.007	0.01458	0.03	0.015	0.025
Calcium (Ca++)	mg/l	12	54.2	60.35833	68	60.10	66.00
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13	17.35	20.3	17.50	20.00
Chloroform	µg/l	11	< 0.2	< 0.2	< 0.2	0.20	0.20
Chromium (Cr), total	µg/l	12	0.15	0.38083	0.87	0.33	0.53
Conductivity	µS/cm	12	366	402.08333	435	399.00	430.00
Copper (Cu), dissolved	µg/l	12	1.14	1.96917	2.73	1.98	2.64
Dissolved oxygen	mg/l	12	5	8.31667	12.7	9.00	5.10
Lead (Pb), dissolved	µg/l	12	< 0.04	0.23717	1.18	0.11	0.51
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	11.4	13.99167	17	13.00	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	0.94	1.80333	4.46	1.49	2.37
Nitrate (NO3-N)	mg/l	12	0.633	1.43108	2.1	1.42	1.97
Nitrite (NO2-N)	mg/l	12	0.015	0.023	0.04	0.018	0.04
Orthophosphate (PO4-P)	mg/l	12	0.022	0.04358	0.06	0.041	0.057
PAHs (Borneff 6)	µg/l	12	< 0.005	0.00825	0.044	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		

Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.66	12.08167	27.23	12.14	18.94
Potassium (K+)	mg/l	12	2.2	2.62833	3.7	2.54	2.90
Sodium (Na+)	mg/l	12	9.9	12.54167	15	12.00	14.00
Sulphate (SO4--)	mg/l	12	19.4	28.21667	33	29.00	32.00
Suspended solids	mg/l	12	78	86.66667	98	88.00	93.00
TOC	mg/l	10	2.8	3.49	4.3	4.30	4.30
Temperature	°C	12	3.8	14.275	27.5	13.80	23.40
Total nitrogen	mg/l	12	1.2	2.14167	3	2.00	2.90

25.06.2015

Page 18 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.039	0.06833	0.116	0.059	0.11
Zinc (Zn), dissolved	µg/l	12	6.46	15.99333	25.6	17.70	24.60
p,p'-DDT	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	6.98	7.6175	8.38	7.58	7.06

25.06.2015

Page 19 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Alkalinity - total	mmol/l	12	3	3.24167	3.4	3.20	3.30
Aluminium (Al), dissolved	µg/l	12	1.37	66.13	585	6.26	109.00
Ammonium (NH4-N)	mg/l	12	0.038	0.0835	0.143	0.072	0.141
Anionic active surfactants	mg/l	12	< 0.05	0.1215	0.246	0.126	0.213
Arsenic (As), dissolved	µg/l	12	1.1	1.72667	2.28	1.67	2.28
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	3	3.46667	4.2	3.30	4.00
COD (Cr)	mg/l	12	10.1	11.35833	12.5	11.20	11.90
COD (Mn)	mg/l	12	3.2	3.6	4.3	3.40	4.00
Cadmium (Cd), dissolved	µg/l	12	< 0.007	0.01496	0.041	0.0145	0.02
Calcium (Ca++)	mg/l	12	56	60.50833	67	60.00	64.00
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13	17.40833	20	17.50	20.00
Chloroform	µg/l	11	< 0.2	< 0.2	< 0.2	0.20	0.20
Chromium (Cr), total	µg/l	12	0.17	0.40167	1.4	0.32	0.45
Conductivity	µS/cm	12	367	400.16667	436	397.00	431.00
Copper (Cu), dissolved	µg/l	12	1.08	2.1	3.48	2.15	2.88
Dissolved oxygen	mg/l	12	4.8	8.30833	11.8	8.90	5.00
Lead (Pb), dissolved	µg/l	12	< 0.04	0.25708	1.93	0.04	0.32
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	10.6	14.28333	17	14.00	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	0.94	1.52083	2.52	1.46	2.15
Nitrate (NO3-N)	mg/l	12	0.75	1.47608	2.1	1.50	2.02
Nitrite (NO2-N)	mg/l	12	0.014	0.01983	0.03	0.018	0.025
Orthophosphate (PO4-P)	mg/l	12	0.03	0.04842	0.099	0.04	0.068
PAHs (Borneff 6)	µg/l	12	< 0.005	0.0079	0.0398	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.89	7.54667	15.39	6.22	13.32
Potassium (K+)	mg/l	12	2.1	2.36833	2.8	2.30	2.70
Sodium (Na+)	mg/l	12	9.7	12.46667	15	12.00	15.00
Sulphate (SO4--)	mg/l	12	18.6	27.30833	33	28.00	31.20
Suspended solids	mg/l	12	82	89.5	95	90.00	95.00
TOC	mg/l	10	2.8	3.36	4.1	4.10	4.10
Temperature	°C	12	4.1	14.025	27.4	13.80	22.80
Total nitrogen	mg/l	12	1.1	2.11667	2.9	2.00	2.80

25.06.2015

Page 20 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.039	0.06317	0.123	0.055	0.092
Zinc (Zn), dissolved	µg/l	12	5.58	14.08417	27.9	12.90	25.60
p,p'-DDT	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	6.98	7.67083	8.5	7.67	7.02

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3	3.26667	3.4	3.30	3.40
Aluminium (Al), dissolved	µg/l	12	1.27	49.01917	402	6.67	48.80
Ammonium (NH4-N)	mg/l	12	0.044	0.09383	0.206	0.073	0.136
Anionic active surfactants	mg/l	12	< 0.05	0.16875	0.592	0.138	0.264
Arsenic (As), dissolved	µg/l	12	1.1	1.6925	2.38	1.66	2.32
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	2.7	3.45833	4.4	3.30	4.30
COD (Cr)	mg/l	12	9.8	11.53333	15	11.40	12.20
COD (Mn)	mg/l	12	2.9	3.63333	4.6	3.40	4.50
Cadmium (Cd), dissolved	µg/l	12	0.015	0.0245	0.047	0.02	0.04
Calcium (Ca++)	mg/l	12	56.8	61.75833	66	62.00	66.00
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13	17.36667	20	17.50	19.20
Chloroform	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chromium (Cr), total	µg/l	12	0.2	0.4075	1.16	0.31	0.52
Conductivity	µS/cm	12	367	403.91667	438	403.00	437.00
Copper (Cu), dissolved	µg/l	12	1.48	4.15583	11.8	3.12	9.20
Dissolved oxygen	mg/l	12	4.8	8.18333	11.8	8.80	5.80
Lead (Pb), dissolved	µg/l	12	< 0.04	0.22075	1.41	0.091	0.26
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	12	14.40833	18	14.00	17.00
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

Nickel (Ni), dissolved	µg/l	12	1.09	2.635	11	1.75	2.54
Nitrate (NO3-N)	mg/l	12	0.425	1.54125	2.67	1.52	2.10
Nitrite (NO2-N)	mg/l	12	0.015	0.02117	0.04	0.018	0.026
Orthophosphate (PO4-P)	mg/l	12	0.03	0.0465	0.07	0.041	0.059
PAHs (Borneff 6)	µg/l	12	< 0.005	0.0079	0.0398	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.78	7.20417	15.7	6.51	10.95
Potassium (K+)	mg/l	12	2.1	2.4125	2.7	2.40	2.70
Sodium (Na+)	mg/l	12	9.9	12.28333	15	12.00	14.00
Sulphate (SO4--)	mg/l	12	20.6	29.58333	36	30.00	34.00
Suspended solids	mg/l	12	86	93.16667	98	95.00	97.00
TOC	mg/l	10	2.6	3.35	4.2	4.20	4.20
Temperature	°C	12	4.4	14.21667	27.3	13.90	22.70
Total nitrogen	mg/l	12	1.5	2.30833	4.1	2.10	3.00

25.06.2015

Page 22 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.045	0.0725	0.189	0.056	0.107
Zinc (Zn), dissolved	µg/l	12	7.1	28.00167	160	15.60	24.90
p,p'-DDT	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.03	7.62583	8.47	7.66	7.04

25.06.2015

Page 23 of

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	4	< 1.5	9.05	31.7	31.70	31.70
Ammonium (NH4-N)	mg/l	4	< 0.025	0.47375	1.04	1.04	1.04
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Atrazine	µg/l	3	< 0.005	< 0.005	< 0.005		
BOD (5)	mg/l	4	1.8	2.825	3.9	3.90	3.90
COD (Cr)	mg/l	4	8	10.925	15.2	15.20	15.20
Cadmium (Cd), dissolved	µg/l	10	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	4	44.1	51.35	56.8	56.80	56.80
Chloride (Cl-)	mg/l	4	17.2	19.875	21.6	21.60	21.60
Chloroform	µg/l	11	< 0.2	0.26273	0.6	0.20	0.49
Chromium (Cr), total	µg/l	4	0.49	0.6325	0.88	0.88	0.88
Conductivity	µS/cm	4	458	555.25	637	637.00	637.00
Copper (Cu), dissolved	µg/l	1	< 0.5	< 0.5	< 0.5		
Dissolved oxygen	mg/l	3	4.5	6.7	9.4		
Lead (Pb), dissolved	µg/l	11	< 1	< 1	< 1	1.00	1.00
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	4	24.5	32.175	43.8	43.80	43.80
Mercury (Hg), dissolved	µg/l	11	< 0.06	< 0.06	< 0.06	0.06	0.06
Nickel (Ni), dissolved	µg/l	11	< 0.5	0.73818	1.75	0.50	1.20
Nitrate (NO3-N)	mg/l	7	2.08	3.12429	4.6	4.60	4.60
Nitrite (NO2-N)	mg/l	4	0.032	0.0805	0.15	0.15	0.15
Orthophosphate (PO4-P)	mg/l	4	0.17	0.225	0.31	0.31	0.31
PAHs (Borneff 6)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Phenol index	mg/l	4	< 0.015	< 0.015	< 0.015	0.015	0.015
Sulphate (SO4--)	mg/l	4	33.5	38.575	45.6	45.60	45.60
Suspended solids	mg/l	4	8	10.75	14	14.00	14.00
Temperature	°C	4	6.2	15.275	26.8	26.80	26.80
Total nitrogen	mg/l	4	3.164	4.141	6.2	6.20	6.20
Total phosphorus	mg/l	4	0.2	0.2775	0.38	0.38	0.38
Zinc (Zn), dissolved	µg/l	4	15	15	15	15.00	15.00
pH	-	4	8	8.145	8.25	8.00	8.00

25.06.2015

Page 25 of

River: Jantra **Catchment:** 7862.00 km2 **2013**
Distance from mouth: 4 **Altitude:** 25 m **BG14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	3	< 5	38.1	77.7		
Ammonium (NH4-N)	mg/l	3	0.059	0.09667	0.134		
Anionic active surfactants	mg/l	3	< 0.005	0.008	0.014		
BOD (5)	mg/l	3	1.5	1.8	2.2		

COD (Cr)	mg/l	3	< 5	10.16667	14.5		
Cadmium (Cd), dissolved	µg/l	7	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	3	42.3	57.5	65.1		
Chloride (Cl-)	mg/l	3	10.2	14.06667	21.2		
Chloroform	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	3	< 1	< 1	< 1		
Conductivity	µS/cm	3	274	328	412		
Copper (Cu), dissolved	µg/l	3	< 0.5	1.06667	2.2		
Dissolved oxygen	mg/l	3	6.7	8.26667	9.5		
Iron (Fe)	mg/l	2	0.042	0.089	0.136		
Lead (Pb), dissolved	µg/l	7	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	3	6.96	8.80333	11.3		
Mercury (Hg), dissolved	µg/l	7	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	7	< 1	< 1	< 1	1.00	1.00
Nitrate (NO3-N)	mg/l	5	1.02	1.472	1.88	1.88	1.88
Nitrite (NO2-N)	mg/l	3	0.019	0.046	0.099		
Orthophosphate (PO4-P)	mg/l	3	0.037	0.07233	0.094		
PAHs (Borneff 6)	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	1	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	3	< 0.005	0.00867	0.016		
Sulphate (SO4--)	mg/l	3	27.2	30.56667	37.3		
Suspended solids	mg/l	3	4	18.66667	40		
Temperature	°C	3	6.8	14.13333	22.9		
Total nitrogen	mg/l	3	1.18	1.78667	2.58		
Total phosphorus	mg/l	2	0.1	0.1165	0.133		
Zinc (Zn), dissolved	µg/l	3	< 5	33.23333	89.7		
p,p'-DDT	µg/l	3	< 0.005	< 0.005	< 0.005		
pH	-	3	7.1	7.8	8.2		

25.06.2015

Page 26 of

River: Russenski Lom **Catchment:** 2947.00 km2 **2013**
Distance from mouth: 1 **Altitude:** 17 m **BG15**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	3	13	66.73333	158		
Ammonium (NH4-N)	mg/l	3	0.229	0.272	0.309		
Anionic active surfactants	mg/l	3	< 0.005	0.00867	0.016		
Arsenic (As), dissolved	µg/l	3	0.366	1.20533	1.82		
BOD (5)	mg/l	3	2.3	3.43333	4.4		
COD (Cr)	mg/l	3	13.4	33.76667	68.1		
Cadmium (Cd), dissolved	µg/l	7	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	3	88	95.13333	103		
Chloride (Cl-)	mg/l	3	14.9	27.23333	36.5		

Chloroform	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	3	< 1	< 1	< 1		
Conductivity	µS/cm	3	623	674.66667	775		
Copper (Cu), dissolved	µg/l	3	< 0.5	3.21667	6.64		
Dissolved oxygen	mg/l	3	6.5	8	9.1		
Iron (Fe)	mg/l	2	0.087	0.1715	0.256		
Lead (Pb), dissolved	µg/l	7	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	3	36.1	37.76667	39		
Mercury (Hg), dissolved	µg/l	7	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	7	< 1	< 1	< 1	1.00	1.00
Nitrate (NO3-N)	mg/l	5	4.39	6.194	8.27	8.27	8.27
Nitrite (NO2-N)	mg/l	3	0.006	0.04133	0.071		
Orthophosphate (PO4-P)	mg/l	3	0.214	0.39033	0.735		
PAHs (Borneff 6)	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	1	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	3	< 0.005	< 0.005	< 0.005		
Sulphate (SO4--)	mg/l	3	46.5	55.06667	65.9		
Suspended solids	mg/l	3	17	54.66667	97		
Temperature	°C	3	6.6	12.66667	19.2		
Total nitrogen	mg/l	3	8.1	8.37	8.78		
Total phosphorus	mg/l	2	0.393	0.4855	0.578		
Zinc (Zn), dissolved	µg/l	3	< 5	66.06667	124		
p,p'-DDT	µg/l	3	< 0.005	< 0.005	< 0.005		
pH	-	3	7.6	8	8.3		

25.06.2015

Page 27 of

River: Danube **Catchment:** 608820.00 km2 **2013**
Distance from mouth: 641 **Altitude:** 20 m **BG2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	11	0.8	1.54545	2.5	1.70	1.90
Alkalinity - total	mmol/l	12	2.3	3.81667	11	3.40	3.70
Aluminium (Al), dissolved	µg/l	12	< 1.5	26.37167	135	6.50	60.30
Ammonium (NH4-N)	mg/l	12	0.07	0.4525	1.07	0.45	0.97
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	12	2	2.23833	2.97	2.00	2.89
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	1.8	2.75833	5	2.60	3.70
COD (Cr)	mg/l	12	< 3.5	8.44167	15.2	8.00	12.00
COD (Mn)	mg/l	12	2.5	5.59167	10.5	5.20	7.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.08583	0.43	0.05	0.10
Calcium (Ca++)	mg/l	12	14.4	47.80833	60	48.60	54.60
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13.4	18.425	23.2	19.00	22.70

Chloroform	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chromium (Cr), total	µg/l	12	0.2	0.25583	0.69	0.20	0.27
Conductivity	µS/cm	12	327	377.41667	477	362.00	417.00
Copper (Cu), dissolved	µg/l	12	1.7	3.13	6.96	2.31	4.88
Dissolved oxygen	mg/l	12	4.2	7.18583	10.8	7.10	4.20
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	3.8	11.01667	13.2	11.40	12.60
Mercury (Hg), dissolved	µg/l	12	< 0.06	< 0.06	< 0.06	0.06	0.06
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.58167	7.25	1.11	2.67
Nitrate (NO3-N)	mg/l	12	0.53	1.2575	2	1.20	1.88
Nitrite (NO2-N)	mg/l	12	0.008	0.01592	0.026	0.013	0.024
Organic nitrogen	mg/l	12	< 0.205	0.59208	1.2	0.50	1.20
Orthophosphate (PO4-P)	mg/l	12	0.017	0.05508	0.09	0.05	0.08
PAHs (Borneff 6)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	6	< 0.05	< 0.05	< 0.05	0.05	0.05
Phenol index	mg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	0.27	5.54273	21.6	4.00	7.10
Potassium (K+)	mg/l	12	0.72	3.37667	12.6	2.40	5.40
Sodium (Na+)	mg/l	12	3.7	11.625	14.7	12.30	14.30
Sulphate (SO4--)	mg/l	12	22.6	27.68333	32.5	27.70	31.40
Suspended solids	mg/l	10	4	23.3	54	54.00	54.00
TOC	mg/l	12	4.9	6.25	10.2	5.30	8.00

25.06.2015

Page 28 of

River: Danube **Catchment:** 608820.00 km2 **2013**
Distance from mouth: 641 **Altitude:** 20 m **BG2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	3	15.01667	27.8	14.70	23.80
Total nitrogen	mg/l	12	1.6	2.20258	3.2	2.00	2.80
Total phosphorus	mg/l	12	0.05	0.07642	0.13	0.07	0.10
Zinc (Zn), dissolved	µg/l	12	< 7.5	9.06667	26.3	7.50	7.50
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.56	8.0875	8.73	8.04	7.74

River: Danube **Catchment:** 650340.00 km2 **2013**
Distance from mouth: 554 **Altitude:** 16 m **BG3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2	3.61667	4.6	3.60	4.40
Aluminium (Al), dissolved	µg/l	12	< 5	16.2	79	5.00	37.10
Ammonium (NH4-N)	mg/l	12	0.018	0.07308	0.24	0.049	0.13
Anionic active surfactants	mg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Arsenic (As), dissolved	µg/l	12	1.28	2.0875	3	1.80	2.80
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.25833	3	0.50	2.80
COD (Cr)	mg/l	12	< 3	5.90833	12	6.50	10.00
COD (Mn)	mg/l	12	1.92	3.30667	5.76	2.56	5.44
Cadmium (Cd), dissolved	µg/l	12	< 0.007	0.02633	< 0.05	0.022	0.05
Calcium (Ca++)	mg/l	12	18	47.41667	60	49.00	58.00
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13.9	28.16667	137	19.20	23.10
Chloroform	µg/l	12	< 0.2	1.51667	13.3	0.20	2.90
Chromium (Cr), total	µg/l	12	0.2	0.42917	< 1	0.28	1.00
Conductivity	µS/cm	12	251	385.25	439	382.00	438.00
Copper (Cu), dissolved	µg/l	12	1.7	3.535	8.5	2.60	5.80
Dissolved oxygen	mg/l	12	6.12	7.86667	10.39	7.60	6.45
Iron (Fe)	mg/l	3	< 0.005	0.06667	0.14		
Lead (Pb), dissolved	µg/l	12	< 0.04	0.13417	< 0.5	0.04	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	6.8	12.34167	18	12.40	14.10

Mercury (Hg), dissolved	µg/l	11	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	12	1.1	3.05167	6.14	2.30	5.20
Nitrate (NO3-N)	mg/l	12	0.48	1.4925	2.33	1.60	1.80
Nitrite (NO2-N)	mg/l	12	0.005	0.014	0.026	0.011	0.022
Organic nitrogen	mg/l	12	< 0.205	1.11167	4.4	0.205	4.40
Orthophosphate (PO4-P)	mg/l	12	< 0.0015	0.06796	0.22	0.047	0.17
PAHs (Borneff 6)	µg/l	12	< 0.005	0.00625	0.02	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	0.14667	0.23		
Phenol index	mg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.5	4.99167	28.8	1.50	11.00
Potassium (K+)	mg/l	12	2.1	2.5	3.3	2.40	2.90
Sodium (Na+)	mg/l	12	10.2	13	15.8	12.80	15.40
Sulphate (SO4--)	mg/l	12	21.4	29.025	32.3	30.70	32.10
Suspended solids	mg/l	12	6	22.5	62	18.00	28.00
TOC	mg/l	12	2.9	3.925	6.2	3.60	4.60

25.06.2015

Page 30 of

River: Danube **Catchment:** 650340.00 km2 **2013**
Distance from mouth: 554 **Altitude:** 16 m **BG3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	4.3	15.1	26.8	12.40	24.50
Total nitrogen	mg/l	12	1.5	2.71667	6.1	2.00	5.40
Total phosphorus	mg/l	12	< 0.0015	0.19054	0.37	0.19	0.29
Zinc (Zn), dissolved	µg/l	12	< 0.5	6.5	18.7	3.50	17.20
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	6.97	8.08417	8.58	8.05	7.74

River: Danube **Catchment:** 669900.00 km2 **2013**
Distance from mouth: 503 **Altitude:** 12 m **BG4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.73	3.00667	3.4	3.07	3.40
Aluminium (Al)	µg/l	3	< 5	80.7	200		
Aluminium (Al), dissolved	µg/l	9	< 5	6.5	18.5	18.50	18.50
Ammonium (NH4-N)	mg/l	12	0.019	0.04742	0.091	0.038	0.075
Anionic active surfactants	mg/l	12	< 0.005	0.00733	0.015	0.005	0.014
Arsenic (As), dissolved	µg/l	12	1.1	1.91167	2.92	1.77	2.68
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.44167	2.2	1.50	1.90
COD (Cr)	mg/l	12	< 5	8.73333	17.3	5.00	15.40
COD (Mn)	mg/l	12	2.48	3.49083	4.09	3.40	4.06
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	41.9	53.49167	60.4	52.90	60.10
Carbon tetrachloride	µg/l	12	< 0.02	< 3.755	< 5	5.00	5.00
Chloride (Cl-)	mg/l	12	15.7	19.475	24.8	19.00	23.00
Chloroform	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	244	341.91667	428	333.00	405.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.895	5.55	2.82	4.04
Dissolved oxygen	mg/l	12	5.3	8.4	15.3	7.90	6.40
Iron (Fe)	mg/l	3	< 0.005	0.021	0.029		
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005

Magnesium (Mg ⁺⁺)	mg/l	12	9.4	11.43667	15.1	10.50	13.80
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Nitrate (NO ₃ -N)	mg/l	12	0.385	1.367	2.13	1.43	1.87
Nitrite (NO ₂ -N)	mg/l	12	0.006	0.01375	0.022	0.012	0.021
Orthophosphate (PO ₄ -P)	mg/l	12	0.009	0.03733	0.073	0.036	0.049
PAHs (Borneff 6)	µg/l	12	< 0.005	0.00542	0.01	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	0.07333	0.12		
Phenol index	mg/l	12	< 0.005	0.00542	0.01	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.1	5.18833	16.5	1.18	10.10
Potassium (K ⁺)	mg/l	12	2.32	2.695	3.26	2.58	3.08
Sodium (Na ⁺)	mg/l	12	11.1	13.8	16.3	13.10	16.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	21.6	30.23333	48	28.40	36.60
Suspended solids	mg/l	12	< 1	26.91667	212	8.00	30.00
TOC	mg/l	12	2.51	4.15417	5.4	3.97	5.19

25.06.2015

Page 32 of

River: Danube **Catchment:** 669900.00 km² **2013**
Distance from mouth: 503 **Altitude:** 12 m **BG4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	3.5	14.225	26.1	11.90	23.80
Total nitrogen	mg/l	12	0.7	1.77917	2.66	1.80	2.40
Total phosphorus	mg/l	12	0.042	0.099	0.183	0.099	0.152
Zinc (Zn), dissolved	µg/l	12	< 5	13.2	56.6	5.00	39.10
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.2	7.88333	8.4	8.00	7.30

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.66	2.99167	3.4	2.97	3.40
Aluminium (Al), dissolved	µg/l	12	< 5	14.00833	47.4	5.00	23.00
Ammonium (NH4-N)	mg/l	12	0.019	0.078	0.171	0.055	0.113
Anionic active surfactants	mg/l	12	< 0.005	0.0065	0.015	0.005	0.013
Arsenic (As), dissolved	µg/l	12	1.26	1.885	2.95	1.76	2.38
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.40833	2.2	1.30	1.90
COD (Cr)	mg/l	12	< 5	8.54167	14	5.00	13.20
COD (Mn)	mg/l	12	1.9	3.74333	5	3.76	4.64
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	45	52.63333	61.6	52.40	58.70
Carbon tetrachloride	µg/l	12	< 0.02	< 4.17	< 5	5.00	5.00
Chloride (Cl-)	mg/l	12	17.5	22.96667	26.6	23.70	26.30
Chloroform	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	247	350.83333	407	353.00	391.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.9375	5.97	2.07	5.81
Dissolved oxygen	mg/l	12	6.5	8.08083	13.7	7.27	6.70
Iron (Fe)	mg/l	4	0.017	0.02125	0.026	0.026	0.026
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	9.53	11.395	14.6	10.80	14.10

Manganese (Mn)	mg/l	2	0.001	0.00145	0.0019		
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Nitrate (NO3-N)	mg/l	12	0.408	1.46233	2.17	1.38	2.07
Nitrite (NO2-N)	mg/l	12	0.008	0.01592	0.034	0.015	0.02
Orthophosphate (PO4-P)	mg/l	12	0.019	0.03433	0.051	0.027	0.05
PAHs (Borneff 6)	µg/l	12	< 0.005	0.01042	0.07	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.1	4.24808	19.7	1.54	5.95
Potassium (K+)	mg/l	12	2	2.67333	3.08	2.61	2.96
Sodium (Na+)	mg/l	12	11.2	15.1	18.1	15.30	17.50
Sulphate (SO4--)	mg/l	12	19.7	28.325	37	26.90	36.20
Suspended solids	mg/l	12	6	27.83333	100	22.00	48.00
TOC	mg/l	12	3.08	4.28667	5.75	4.07	5.25

25.06.2015

Page 34 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	3.5	14.20833	25.2	14.20	24.50
Total nitrogen	mg/l	11	0.9	1.87091	2.84	1.85	2.27
Total phosphorus	mg/l	12	0.054	0.11125	0.167	0.099	0.158
Zinc (Zn), dissolved	µg/l	12	< 5	18.3	112	11.80	18.10
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.1	7.89167	8.3	8.10	7.30

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.66	3.01167	3.35	2.97	3.30
Aluminium (Al), dissolved	µg/l	12	< 5	8.89167	34.9	5.00	16.40
Ammonium (NH4-N)	mg/l	12	< 0.0025	0.04013	0.119	0.028	0.084
Anionic active surfactants	mg/l	12	< 0.005	0.00583	0.015	0.005	0.005
Arsenic (As), dissolved	µg/l	12	1.28	1.92333	2.85	1.81	2.53
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.24167	1.8	1.10	1.70
COD (Cr)	mg/l	12	< 5	6.94167	15.1	5.00	12.30
COD (Mn)	mg/l	12	1.58	3.515	4.54	3.34	4.48
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	45.6	52.525	60.4	52.50	57.80
Carbon tetrachloride	µg/l	12	< 0.02	< 4.17	< 5	5.00	5.00
Chloride (Cl-)	mg/l	12	15.3	21.34167	24.8	21.20	24.80
Chloroform	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	241	343.91667	388	348.00	384.00
Copper (Cu), dissolved	µg/l	12	2.06	3.2775	5.8	2.95	4.74
Dissolved oxygen	mg/l	12	6.6	8.15833	14.2	7.40	6.60
Iron (Fe)	mg/l	4	0.015	0.02725	0.052	0.052	0.052
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	9.83	11.76667	13.9	11.50	13.90

Manganese (Mn)	mg/l	2	< 0.00025	0.00053	0.0008		
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Nitrate (NO3-N)	mg/l	12	0.419	1.45492	2.1	1.52	2.01
Nitrite (NO2-N)	mg/l	12	0.006	0.01433	0.029	0.011	0.021
Orthophosphate (PO4-P)	mg/l	12	0.019	0.03792	0.063	0.034	0.058
PAHs (Borneff 6)	µg/l	12	< 0.005	0.01042	0.07	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	12	< 0.005	0.00608	0.013	0.005	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.148	4.20733	22.1	1.39	6.66
Potassium (K+)	mg/l	12	2.08	2.6125	3.03	2.57	2.88
Sodium (Na+)	mg/l	12	10	13.61667	16.9	13.60	15.70
Sulphate (SO4--)	mg/l	12	19.7	27.23333	35.6	26.40	30.20
Suspended solids	mg/l	12	2	20.75	79	12.00	42.00
TOC	mg/l	12	3.15	4.2925	5.8	4.02	5.41

25.06.2015

Page 36 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	3.6	14.175	25	14.20	24.40
Total nitrogen	mg/l	12	0.8	1.89583	2.61	1.90	2.41
Total phosphorus	mg/l	12	0.044	0.10225	0.144	0.105	0.132
Zinc (Zn), dissolved	µg/l	12	< 5	23.36667	89.4	5.00	67.70
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.1	7.90833	8.2	8.00	7.50

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.79	2.92333	3.4	2.97	3.29
Aluminium (Al), dissolved	µg/l	12	< 5	11.06667	30.1	5.00	24.00
Ammonium (NH4-N)	mg/l	12	0.013	0.0485	0.128	0.044	0.087
Anionic active surfactants	mg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Arsenic (As), dissolved	µg/l	12	1.18	2	3.03	2.00	2.67
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.21667	2	1.20	1.70
COD (Cr)	mg/l	12	< 5	7.775	14.3	5.00	11.90
COD (Mn)	mg/l	12	1.82	3.56917	4.65	3.34	4.46
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	44	52.28333	58.4	52.50	57.90
Carbon tetrachloride	µg/l	12	< 0.02	< 4.17	< 5	5.00	5.00
Chloride (Cl-)	mg/l	12	16.4	20.875	24.1	20.40	23.70
Chloroform	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	243	342.83333	387	340.00	385.00
Copper (Cu), dissolved	µg/l	12	2	2.64167	3.93	2.64	3.23
Dissolved oxygen	mg/l	12	6.43	8.0875	14	7.20	6.59
Iron (Fe)	mg/l	4	0.018	0.037	0.064	0.064	0.064
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	8.8	11.75583	15.6	11.80	13.60

Manganese (Mn)	mg/l	2	0.0007	0.00095	0.0012		
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Nitrate (NO3-N)	mg/l	12	0.415	1.47375	2.22	1.48	2.02
Nitrite (NO2-N)	mg/l	12	0.008	0.01458	0.03	0.01	0.022
Orthophosphate (PO4-P)	mg/l	12	0.017	0.04225	0.062	0.039	0.062
PAHs (Borneff 6)	µg/l	12	< 0.005	0.01125	0.08	0.005	0.005
PCBs (7 congeners)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Petroleum hydrocarbons	mg/l	3	< 0.05	< 0.05	< 0.05		
Phenol index	mg/l	12	< 0.005	0.00625	0.015	0.005	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.118	3.74375	18.8	1.66	5.18
Potassium (K+)	mg/l	12	2	2.605	3.01	2.49	2.95
Sodium (Na+)	mg/l	12	10.3	13.41667	16.9	13.20	14.90
Sulphate (SO4--)	mg/l	12	19.2	27.01667	36.1	26.00	29.80
Suspended solids	mg/l	12	< 1	21.66667	73	15.00	48.00
TOC	mg/l	12	2.93	4.23583	5.77	4.08	5.12

25.06.2015

Page 38 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	3.7	14.3	25.1	14.20	24.40
Total nitrogen	mg/l	12	0.8	1.86083	2.57	1.90	2.22
Total phosphorus	mg/l	12	0.064	0.12025	0.145	0.124	0.138
Zinc (Zn), dissolved	µg/l	12	< 5	14.43333	82.2	5.00	41.00
p,p'-DDT	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.2	7.91667	8.2	8.00	7.50

River: Morava **Catchment:** 9725.00 km2 **2013**
Distance from mouth: 79 **Altitude:** 150 m **CZ1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	7.1	13.53333	24	11.00	20.00
Alkalinity - total	mmol/l	12	1.74	2.89333	3.55	2.88	3.42
Aluminium (Al)	µg/l	12	77	364.16667	1130	156.00	800.00
Aluminium (Al), dissolved	µg/l	12	< 2.5	7.55833	30.5	2.50	15.60
Ammonium (NH4-N)	mg/l	12	< 0.01	0.13917	0.42	0.12	0.25
Arsenic (As)	µg/l	12	< 0.5	1.19667	1.91	1.22	1.61
Atrazine	µg/l	12	< 0.001	0.0071	0.0192	0.006	0.0173
BOD (5)	mg/l	12	1.7	3.03333	5.5	2.90	4.00
COD (Cr)	mg/l	12	9.5	19.29167	67.2	12.20	23.30
COD (Mn)	mg/l	12	2.7	4.85	7.6	3.90	7.20
Cadmium (Cd)	µg/l	12	< 0.025	0.063	0.143	0.025	0.128
Cadmium (Cd), dissolved	µg/l	12	< 0.025	0.02725	0.052	0.025	0.025
Calcium (Ca++)	mg/l	12	39.7	61.31667	83.1	63.70	75.30
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl-)	mg/l	12	15.5	30.91667	44.9	32.70	42.80
Chloroform	µg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Chromium (Cr) - total	µg/l	12	0.583	2.279	8.45	1.54	3.61
Conductivity	µS/cm	12	340	525.83333	616	522.00	597.00
Copper (Cu)	µg/l	12	2.26	6.795	12.3	6.61	10.50
Copper (Cu), dissolved	µg/l	12	1.77	4.73	9.8	4.46	6.44
DOC	mg/l	12	2.36	3.3725	3.89	3.48	3.86
Dissolved oxygen	mg/l	12	8.4	11.525	14.6	11.30	8.90

Flow	m3/s	365	12.7	64.50411	302	46.00	145.00
Iron (Fe)	mg/l	12	0.17	0.72075	1.88	0.374	1.80
Lead (Pb)	µg/l	12	< 0.25	2.07742	4.98	0.98	4.11
Lead (Pb), dissolved	µg/l	12	< 0.25	0.57058	2.28	0.25	1.80
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos sapr. index	-	2	2.02	2.03	2.04		
Magnesium (Mg++)	mg/l	12	7.22	11.48083	13.5	11.70	13.50
Manganese (Mn)	mg/l	12	0.08	0.18742	0.44	0.12	0.308
Mercury (Hg)	µg/l	12	< 0.025	0.03083	0.06	0.025	0.06
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	2.9	4.18	6.99	3.84	5.91
Nickel (Ni), dissolved	µg/l	12	1.86	2.87167	3.59	2.89	3.48
Nitrate (NO3-N)	mg/l	12	0.49	2.65833	4.39	2.64	3.82
Nitrite (NO2-N)	mg/l	12	0.016	0.03675	0.079	0.028	0.054
Organic nitrogen	mg/l	12	< 0.25	0.37208	0.704	0.25	0.698
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.06858	0.116	0.064	0.11

25.06.2015

Page 40 of

River: Morava **Catchment:** 9725.00 km2 **2013**
Distance from mouth: 79 **Altitude:** 150 m **CZ1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
PAHs (Borneff 6)	µg/l	12	0.0035	0.02778	0.0754	0.013	0.0735
Petroleum hydrocarbons	mg/l	6	< 0.015	< 0.015	< 0.015	0.015	0.015
Phenol index	mg/l	10	< 0.0004	0.00044	0.0008	0.0008	0.0008
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1.25	27.37083	119	10.50	77.90
Potassium (K+)	mg/l	12	2.83	5.58333	7.75	5.46	6.99
Silicates (SiO2)	mg/l	12	< 0.125	6.74375	9.6	7.00	9.00
Silicates(SiO2), dissolved	mg/l	12	< 0.125	3.16042	4.5	3.30	4.20
Sodium (Na+)	mg/l	12	11.5	24.125	34.1	24.40	30.70
Sulphate (SO4--)	mg/l	12	39.1	61.39167	78.2	64.20	71.70
Suspended solids	mg/l	12	6	58.83333	187	22.00	141.00
TOC	mg/l	12	2.94	4.0825	5.46	4.10	4.54
Temperature	°C	12	0.2	10.83333	23.9	11.00	20.30
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Total nitrogen	mg/l	12	1.24	3.25333	5.02	3.32	4.52
Total phosphorus	mg/l	12	0.057	0.1745	0.328	0.137	0.321
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn)	µg/l	12	6.42	26.64833	66.1	15.00	56.80
Zinc (Zn), dissolved	µg/l	12	< 2.5	5.48333	21.2	2.50	7.83
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.7	7.93333	8.1	7.90	7.70

River: Morava/Dyje **Catchment:** 12540.00 km2 **2013**
Distance from mouth: 17 **Altitude:** 155 m **CZ2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	11	16.41667	22	15.00	22.00
Alkalinity - total	mmol/l	12	2.16	2.56583	3.09	2.44	3.00
Aluminium (Al)	µg/l	12	50.4	148.54167	361	95.00	338.00
Aluminium (Al), dissolved	µg/l	12	< 2.5	4.825	23.1	2.50	9.80
Ammonium (NH4-N)	mg/l	12	0.05	0.175	0.48	0.14	0.26
Arsenic (As)	µg/l	12	< 0.5	1.8975	3.74	1.54	3.47
Atrazine	µg/l	12	0.0056	0.01006	0.0149	0.0094	0.0141
BOD (5)	mg/l	12	0.7	1.99167	3	1.90	2.90
COD (Cr)	mg/l	12	14.7	19.33333	26	18.20	21.50
COD (Mn)	mg/l	12	4.2	5.55	6.5	5.70	6.30
Cadmium (Cd)	µg/l	12	< 0.025	0.03283	0.084	0.025	0.06
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	12	36.4	55.41667	72.8	53.70	61.20
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl-)	mg/l	12	30	43.6	60.9	42.60	53.60
Chloroform	µg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Chromium (Cr) - total	µg/l	12	< 0.25	1.26942	2.85	1.12	1.97
Conductivity	µS/cm	12	538	620.33333	673	616.00	666.00
Copper (Cu)	µg/l	12	1.9	5.77667	9.4	5.23	9.39
Copper (Cu), dissolved	µg/l	12	1.81	4.32583	7.38	4.27	5.99
DOC	mg/l	12	5.24	6.02	7.58	6.09	6.43
Dissolved oxygen	mg/l	12	5.4	10.41667	14.5	10.50	6.50

Flow	m3/s	365	12.8	45.81315	268.5	32.70	93.70
Iron (Fe)	mg/l	12	0.103	0.30475	1.02	0.156	0.736
Lead (Pb)	µg/l	12	< 0.25	0.98083	2.43	0.25	2.37
Lead (Pb), dissolved	µg/l	12	< 0.25	0.525	1.98	0.25	1.82
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos sapr. index	-	2	1.96	2.04	2.12		
Magnesium (Mg++)	mg/l	12	19.5	21.75833	25.7	21.10	25.40
Manganese (Mn)	mg/l	12	0.053	0.16367	0.487	0.102	0.27
Mercury (Hg)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	2.86	3.615	4.39	3.49	4.14
Nickel (Ni), dissolved	µg/l	12	2.07	3.02667	3.6	3.04	3.58
Nitrate (NO3-N)	mg/l	12	0.95	3.08667	6.67	2.10	6.47
Nitrite (NO2-N)	mg/l	12	0.026	0.06525	0.164	0.048	0.127
Orthophosphate (PO4-P)	mg/l	12	0.051	0.20117	0.539	0.157	0.462
Organic nitrogen	mg/l	12	< 0.25	0.54417	0.843	0.559	0.822

25.06.2015

Page 42 of

River: Morava/Dyje **Catchment:** 12540.00 km2 **2013**
Distance from mouth: 17 **Altitude:** 155 m **CZ2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
PAHs (Borneff 6)	µg/l	12	0.0034	0.01223	0.0262	0.0102	0.0234
Phenol index	mg/l	10	< 0.0004	< 0.0004	< 0.0004	0.0004	0.0004
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1.25	7.32083	20	4.60	18.10
Potassium (K+)	mg/l	12	5.99	7.63917	9.39	7.74	8.76
Silicates (SiO2)	mg/l	12	3.4	8.60833	13	8.40	11.00
Silicates(SiO2), dissolved	mg/l	12	1.6	4.025	5.9	3.90	5.20
Sodium (Na+)	mg/l	12	27.1	33.21667	45.9	32.40	37.70
Sulphate (SO4--)	mg/l	12	87.4	105.61667	122	104.00	113.00
Suspended solids	mg/l	12	3	15.83333	47	10.00	42.00
TOC	mg/l	12	5.57	6.65417	7.7	6.46	7.66
Temperature	°C	12	1.4	11.46667	24.1	11.40	21.00
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Total phosphorus	mg/l	12	0.101	0.28158	0.654	0.224	0.595
Total nitrogen	mg/l	12	2.14	3.935	7.6	3.08	7.06
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn)	µg/l	12	< 2.5	7.44417	16.3	6.14	15.70
Zinc (Zn), dissolved	µg/l	12	< 2.5	3.05167	9.12	2.50	2.50
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.7	7.96667	8.1	8.00	7.90

River: Danube **Catchment:** 77086.00 km2 **2013**
Distance from mouth: 2204 **Altitude:** 290 m **DE2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	21	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	26	2.6	3.18846	3.7	3.20	3.70
Ammonium (NH4-N)	mg/l	38	< 0.01	0.03053	0.08	0.03	0.06
Arsenic (As)	µg/l	13	< 0.5	1.07692	2	1.00	2.00
Arsenic (As), dissolved	µg/l	13	< 0.5	0.84615	1	1.00	1.00
Atrazine	µg/l	17	< 0.005	0.02265	0.03	0.03	0.03
BOD (5)	mg/l	26	< 0.5	0.94231	2	1.00	1.60
COD (Cr)	mg/l	26	4.6	8.36923	17	8.40	12.00
Cadmium (Cd)	µg/l	13	< 0.05	0.06077	0.13	0.05	0.11
Cadmium (Cd), dissolved	µg/l	13	< 0.025	< 0.025	< 0.025	0.025	0.025
Carbon tetrachloride	µg/l	8	< 0.005	0.00625	0.01	0.01	0.01
Chloride (Cl-)	mg/l	26	10	18.34615	32	17.00	28.00
Chloroform	µg/l	8	< 0.005	0.01375	0.05	0.05	0.05
Chromium (Cr) - total	µg/l	13	< 0.5	1.34615	3	1.00	2.00
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	26	275	365	455	360.00	440.00
Copper (Cu)	µg/l	12	1	2.16667	6	2.00	3.00
Copper (Cu), dissolved	µg/l	13	< 0.5	1.30769	2	1.00	2.00
DOC	mg/l	26	1.4	2.53462	4.3	2.40	3.30
Dissolved oxygen	mg/l	26	8.4	10.74231	12.4	10.30	9.00
Flow	m3/s	365	782	1670.9369	9600	1388.00	2660.00
Iron (Fe)	mg/l	26	0.07	0.46154	2.1	0.26	1.10

Lead (Pb)	µg/l	13	< 0.5	0.73077	2	0.50	1.00
Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	13	< 0.005	< 0.005	< 0.005	0.005	0.005
Manganese (Mn)	mg/l	25	0.008	0.02256	0.065	0.018	0.043
Mercury (Hg), dissolved	µg/l	13	< 0.0025	0.00573	0.012	0.0025	0.011
Nickel (Ni)	µg/l	13	1	2.15385	10	1.00	3.00
Nickel (Ni), dissolved	µg/l	13	< 0.5	0.65385	1	0.50	1.00
Nitrate (NO3-N)	mg/l	38	1.2	2.05	3.2	2.00	2.80
Nitrite (NO2-N)	mg/l	38	0.005	0.01176	0.021	0.012	0.018
Orthophosphate (PO4-P)	mg/l	38	< 0.0025	0.02684	0.06	0.029	0.041
Phytoplankton (biomass - chlorophyll-a)	µg/l	16	1	8.5	29	4.00	25.00
Sulphate (SO4--)	mg/l	25	15	22.12	27	23.00	27.00
Suspended solids	mg/l	26	3	17.03846	67	12.00	42.00
TOC	mg/l	26	1.8	3.09615	5.8	3.00	4.10
Temperature	°C	26	3.8	11.34231	21.6	12.30	20.20
Tetrachloroethylene	µg/l	8	< 0.005	0.04925	0.11	0.11	0.11

25.06.2015

Page 44 of

River: Danube **Catchment:** 77086.00 km2 **2013**
Distance from mouth: 2204 **Altitude:** 290 m **DE2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	26	1.6	2.37692	3.7	2.40	3.30
Total phosphorus	mg/l	38	0.028	0.06053	0.16	0.054	0.11
Total phosphorus, dissolved	mg/l	37	0.015	0.03989	0.098	0.039	0.052
Trichloroethylene	µg/l	8	< 0.005	0.02563	0.05	0.05	0.05
Zinc (Zn)	µg/l	12	< 5	5.41667	10	5.00	5.00
Zinc (Zn), dissolved	µg/l	12	< 5	5.41667	10	5.00	5.00
pH	-	26	8.1	8.21923	8.5	8.20	8.20

River: Inn **Catchment:** 9905.00 km2 **2013**
Distance from mouth: 195 **Altitude:** 452 m **DE3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	13	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	5	1.8	2.18	2.7	2.70	2.70
Ammonium (NH4-N)	mg/l	26	< 0.01	0.02731	0.07	0.02	0.05
Arsenic (As)	µg/l	12	1	2	3	2.00	3.00
Arsenic (As), dissolved	µg/l	13	< 0.5	1.34615	2	1.00	2.00
BOD (5)	mg/l	26	< 0.5	0.75769	1.9	0.50	1.30
Cadmium (Cd)	µg/l	11	< 0.05	0.05455	0.1	0.05	0.05
Cadmium (Cd), dissolved	µg/l	13	< 0.025	0.03077	0.1	0.025	0.025
Calcium (Ca++)	mg/l	13	22	34.61538	47	36.00	47.00
Carbon tetrachloride	µg/l	8	< 0.005	0.00625	0.01	0.01	0.01
Chloride (Cl-)	mg/l	26	3	6.51538	15	4.40	13.00
Chloroform	µg/l	8	< 0.005	0.00688	0.02	0.02	0.02
Chromium (Cr) - total	µg/l	12	< 0.5	1.45833	5	0.50	4.00
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Copper (Cu)	µg/l	12	1	3.33333	8	2.00	7.00
Copper (Cu), dissolved	µg/l	12	1	1.66667	3	2.00	2.00
DOC	mg/l	13	0.5	1.14615	2.3	1.10	1.50
Dissolved oxygen	mg/l	25	9.8	11.568	15.7	11.10	10.20
Flow	m3/s	360	104	307.3	1240	270	529
Iron (Fe)	mg/l	12	0.07	1.01667	3.8	0.35	3.50
Lead (Pb)	µg/l	12	< 0.5	1.275	4.3	0.50	4.00
Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50

Magnesium (Mg ⁺⁺)	mg/l	13	5	9.93846	20	8.90	13.00
Manganese (Mn)	mg/l	12	0.006	0.02667	0.1	0.011	0.075
Mercury (Hg), dissolved	µg/l	11	< 0.0025	0.00364	0.008	0.0025	0.007
Nickel (Ni)	µg/l	12	1	2.69167	8	2.00	7.00
Nickel (Ni), dissolved	µg/l	10	< 0.5	1.05	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	26	< 0.1	0.5	0.9	0.40	0.80
Nitrite (NO ₂ -N)	mg/l	26	< 0.0025	0.0065	0.016	0.007	0.009
Orthophosphate (PO ₄ -P)	mg/l	26	< 0.0025	0.00692	0.015	0.007	0.011
Potassium (K ⁺)	mg/l	13	0.8	1.56154	2.7	1.50	2.10
Sodium (Na ⁺)	mg/l	13	2	4.23077	8	4.00	8.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	19	29.75	43	26.00	42.00
Suspended solids	mg/l	26	< 1.5	71.17308	419	20.00	226.00
TOC	mg/l	26	1	1.88846	4.4	1.60	2.90
Temperature	°C	26	2.3	8.58077	16.6	9.90	13.30
Tetrachloroethylene	µg/l	8	< 0.005	0.00788	0.028	0.028	0.028
Total nitrogen	mg/l	11	0.4	0.71818	1.1	0.70	0.90

25.06.2015

Page 46 of

River: Inn **Catchment:** 9905.00 km² **2013**
Distance from mouth: 195 **Altitude:** 452 m **DE3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	26	0.012	0.09638	0.442	0.034	0.333
Total phosphorus, dissolved	mg/l	24	0.007	0.01417	0.042	0.012	0.019
Trichloroethylene	µg/l	8	< 0.005	0.00563	0.01	0.01	0.01
Zinc (Zn)	µg/l	12	< 5	7.91667	16	5.00	14.00
Zinc (Zn), dissolved	µg/l	13	< 5	6.53846	20	5.00	10.00
pH	-	26	7.3	8.14231	8.4	8.20	8.00

River: Inn/Salzach **Catchment:** 6113.00 km2 **2013**
Distance from mouth: 47 **Altitude:** 390 m **DE4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	13	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	13	2	2.56154	2.9	2.60	2.90
Ammonium (NH4-N)	mg/l	26	< 0.01	0.02154	0.05	0.02	0.04
Arsenic (As)	µg/l	13	< 0.5	1.38462	5	1.00	2.00
Arsenic (As), dissolved	µg/l	13	< 0.5	0.65385	1	0.50	1.00
BOD (5)	mg/l	26	< 0.5	1.86154	3.6	2.10	2.60
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	13	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	13	33	42.23077	52	42.00	50.00
Carbon tetrachloride	µg/l	8	< 0.005	< 0.005	< 0.005	0.005	0.005
Chloride (Cl-)	mg/l	26	3.3	8.19231	15	7.50	14.00
Chloroform	µg/l	8	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr) - total	µg/l	13	< 0.5	1.80769	8	1.00	3.00
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	26	182	275.42308	358	273.00	345.00
Copper (Cu)	µg/l	13	< 0.5	2.73077	9	2.00	5.00
Copper (Cu), dissolved	µg/l	13	< 0.5	0.69231	1	0.50	1.00
DOC	mg/l	13	0.9	1.6	2.6	1.50	2.20
Dissolved oxygen	mg/l	26	9.5	11.58846	14.5	11.80	9.90
Flow	m3/s	365	114	283.33425	3040	223.00	508.00
Iron (Fe)	mg/l	13	0.02	1.15538	6.1	0.61	1.90
Lead (Pb)	µg/l	13	< 0.5	0.9	3	0.50	1.40

Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Magnesium (Mg++)	mg/l	13	6.7	9.19231	11.9	9.40	11.20
Manganese (Mn)	mg/l	13	0.008	0.04769	0.211	0.032	0.074
Mercury (Hg), dissolved	µg/l	13	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Nickel (Ni)	µg/l	12	< 0.5	2.29167	10	1.00	3.00
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.66667	2	0.50	1.00
Nitrate (NO3-N)	mg/l	26	0.41	0.60731	0.95	0.57	0.83
Nitrite (NO2-N)	mg/l	25	< 0.0025	0.00512	0.017	0.0025	0.013
Orthophosphate (PO4-P)	mg/l	26	< 0.0025	0.01144	0.029	0.009	0.02
Potassium (K+)	mg/l	13	0.7	1.20769	1.5	1.20	1.40
Sodium (Na+)	mg/l	13	3	6.38462	11	5.00	10.00
Sulphate (SO4--)	mg/l	13	12	19.15385	28	18.00	26.00
Suspended solids	mg/l	26	< 1.5	34.75	247	16.00	90.00
TOC	mg/l	26	1.2	2.10385	3.2	2.10	3.10
Temperature	°C	26	3	8.79231	16.9	9.00	14.60
Tetrachloroethylene	µg/l	8	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 48 of

River: Inn/Salzach **Catchment:** 6113.00 km2 **2013**
Distance from mouth: 47 **Altitude:** 390 m **DE4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	26	0.5	0.79231	1.1	0.80	1.00
Total phosphorus	mg/l	26	0.016	0.04935	0.177	0.039	0.079
Total phosphorus, dissolved	mg/l	26	0.008	0.01973	0.058	0.014	0.046
Trichloroethylene	µg/l	8	< 0.005	< 0.005	< 0.005	0.005	0.005
Zinc (Zn)	µg/l	13	< 5	6.15385	10	5.00	10.00
Zinc (Zn), dissolved	µg/l	13	< 5	< 5	< 5	5.00	5.00
pH	-	26	7.9	8.10385	8.2	8.10	8.00

River: Danube **Catchment:** 11315.00 km2 **2013**
Distance from mouth: 2538 **Altitude:** 420 m **DE5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	14	< 5	6.14286	16	5.00	10.00
Alkalinity - total	mmol/l	13	4	4.6	5.1	4.70	5.10
Ammonium (NH4-N)	mg/l	26	< 0.01	0.03654	0.08	0.04	0.06
Arsenic (As)	µg/l	13	< 0.5	0.92308	3	1.00	1.00
Arsenic (As), dissolved	µg/l	12	< 0.5	0.70833	1	0.50	1.00
Atrazine	µg/l	17	< 0.005	0.02265	0.03	0.03	0.03
BOD (5)	mg/l	26	< 0.5	1.06538	2.5	1.10	1.90
Cadmium (Cd)	µg/l	13	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	13	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	26	62	87.26923	109	88.00	99.00
Carbon tetrachloride	µg/l	16	< 0.005	0.00563	0.01	0.005	0.01
Chloride (Cl-)	mg/l	26	13	29.03846	45	29.00	38.00
Chloroform	µg/l	16	< 0.005	0.00688	0.01	0.005	0.01
Chromium (Cr) - total	µg/l	13	< 0.5	1.38462	9	1.00	1.00
Chromium (Cr), total	µg/l	9	< 0.5	0.72222	2	2.00	2.00
Copper (Cu)	µg/l	13	< 0.5	1.96154	9	1.00	2.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.20833	2	1.00	2.00
DOC	mg/l	13	1.1	2.06154	3.5	1.80	3.00
Dissolved oxygen	mg/l	26	9.3	10.90769	13.4	10.60	9.40
Flow	m3/s	365	78	193.76438	905	164.00	295.00
Iron (Fe)	mg/l	13	0.15	0.59	4.8	0.23	0.41
Lead (Pb)	µg/l	13	< 0.5	0.84615	5	0.50	0.50

Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Magnesium (Mg++)	mg/l	26	9	12.11538	15	12.00	14.00
Manganese (Mn)	mg/l	13	0.012	0.03931	0.27	0.022	0.033
Mercury (Hg), dissolved	µg/l	13	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Nickel (Ni)	µg/l	13	< 0.5	1.38462	9	1.00	1.00
Nickel (Ni), dissolved	µg/l	9	< 0.5	0.94444	2	2.00	2.00
Nitrate (NO3-N)	mg/l	26	2	3.14231	4.1	3.10	3.80
Nitrite (NO2-N)	mg/l	26	0.01	0.01573	0.021	0.016	0.018
Orthophosphate (PO4-P)	mg/l	26	0.006	0.03381	0.051	0.038	0.046
Phytoplankton (biomass - chlorophyll-a)	µg/l	26	1.1	6.92308	34.7	4.30	20.40
Potassium (K+)	mg/l	26	1.7	2.35	3.2	2.30	2.80
Sodium (Na+)	mg/l	26	8	15.42308	25	15.00	20.00
Sulphate (SO4--)	mg/l	14	13	17.42857	20	17.00	20.00
Suspended solids	mg/l	25	< 1.5	18.16	200	9.00	36.00
TOC	mg/l	26	1.5	2.79231	7.8	2.60	3.70
Temperature	°C	26	3.8	10.92308	21.1	11.70	19.10

25.06.2015

Page 50 of

River: Danube **Catchment:** 11315.00 km2 **2013**
Distance from mouth: 2538 **Altitude:** 420 m **DE5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Tetrachloroethylene	µg/l	16	< 0.005	0.0235	0.066	0.005	0.061
Total nitrogen	mg/l	24	2.4	3.5125	4.3	3.50	4.30
Total phosphorus	mg/l	26	0.05	0.0885	0.405	0.072	0.119
Total phosphorus, dissolved	mg/l	26	0.012	0.03988	0.061	0.044	0.052
Trichloroethylene	µg/l	16	< 0.005	0.00563	0.01	0.005	0.01
Zinc (Zn)	µg/l	13	< 5	6.15385	20	5.00	5.00
Zinc (Zn), dissolved	µg/l	9	< 5	< 5	< 5	5.00	5.00
pH	-	26	8.1	8.21154	8.4	8.20	8.10

River: Danube **Catchment:** 210250.00 km2 **2013**
Distance from mouth: 1429 **Altitude:** 86 m **HR1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.4088	1.66023	1.8484	1.6486	1.8184
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.04625	0.11	0.037	0.077
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03	0.03	0.03
Arsenic (As), dissolved	µg/l	12	0.971	1.40183	1.947	1.355	1.85
BOD (5)	mg/l	12	1.4	2.325	4.4	2.10	3.00
COD (Cr)	mg/l	12	7.1	11.18333	15.7	10.60	15.30
COD (Mn)	mg/l	12	1.7	3.66667	6.2	3.20	5.60
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.00783	0.017	0.005	0.013
Calcium (Ca ⁺⁺)	mg/l	12	42.7	54.59167	65.6	54.20	65.30
Chloride (Cl ⁻)	mg/l	12	14.76	19.57167	33.05	17.72	28.59
Chromium (Cr), total	µg/l	12	0.13	0.31658	0.834	0.229	0.549
Conductivity	µS/cm	12	388	441.75	547	414.00	507.00
Copper (Cu), dissolved	µg/l	12	1.155	1.4945	2.081	1.361	1.738
Dissolved oxygen	mg/l	12	8.3	10.625	12.6	10.70	9.10
Lead (Pb), dissolved	µg/l	12	0.025	0.22558	0.61	0.156	0.557
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Magnesium (Mg ⁺⁺)	mg/l	12	12.5	16.14167	20.6	15.30	18.30
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00244	0.005	0.001	0.0049
Nickel (Ni), dissolved	µg/l	12	0.289	1.12983	3.229	0.787	3.173
Nitrate (NO ₃ -N)	mg/l	12	0.91	1.95083	3.18	1.69	2.85
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.0115	0.017	0.011	0.017
Organic nitrogen	mg/l	12	0.019	0.29517	1.257	0.151	0.678

Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.04146	0.086	0.039	0.063
Phenol index	mg/l	4	< 0.0015	0.01675	0.061	0.061	0.061
Potassium (K+)	mg/l	12	2.03	2.595	3.16	2.51	3.10
Silicates(SiO2), dissolved	mg/l	12	0.25	4.96583	8.72	5.17	7.14
Sodium (Na+)	mg/l	12	8.65	13.415	19.94	13.12	17.34
Sulphate (SO4--)	mg/l	12	19.9	31.46667	48.6	28.70	42.90
Suspended solids	mg/l	12	< 1	38	94	36.00	61.00
TOC	mg/l	12	1.06	2.96	3.96	3.02	3.45
Temperature	°C	12	4	12.68333	28.3	12.50	20.20
Total nitrogen	mg/l	12	1.09	2.30333	3.4	1.90	3.09
Total phosphorus	mg/l	12	< 0.0125	0.13046	0.277	0.101	0.263
Zinc (Zn), dissolved	µg/l	12	0.577	2.44333	6.512	1.83	3.665
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012
pH	-	12	7.9	8.08	8.3	8.08	7.90

25.06.2015

Page 52 of

River: Danube **Catchment:** 210250.00 km2 **2013**
Distance from mouth: 1429 **Altitude:** 86 m **HR1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Macrozoobenthos - number of families	-	1	9	9	9		

25.06.2015

Page 53 of

River: Sava **Catchment:** 10878.00 km2 **2013**
Distance from mouth: 729 **Altitude:** 135 m **HR10**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Flow	m3/s	365	67	335.06712	1597	250.00	694.00

25.06.2015

Page 54 of

River: Danube **Catchment:** 243147.00 km2 **2013**
Distance from mouth: 1337 **Altitude:** 89 m **HR2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.4387	1.60693	1.8384	1.5786	1.7485
Ammonium (NH4-N)	mg/l	12	< 0.005	0.045	0.105	0.036	0.079
Arsenic (As), dissolved	µg/l	12	0.591	1.50217	2.465	1.446	1.793
BOD (5)	mg/l	12	0.9	2.125	2.9	2.10	2.80
COD (Mn)	mg/l	12	2	3.35	4.6	3.30	4.20
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01008	0.018	0.01	0.017
Calcium (Ca++)	mg/l	12	39.2	52.24167	60.2	54.20	60.00
Chloride (Cl-)	mg/l	12	7.9	18.53333	25.83	19.84	23.38
Chromium (Cr), total	µg/l	12	0.09	0.31267	0.63	0.266	0.586
Conductivity	µS/cm	12	335	425.91667	489	428.00	482.00
Copper (Cu), dissolved	µg/l	12	0.949	1.42467	2.323	1.404	1.682
Dissolved oxygen	mg/l	12	7.3	10.625	12.6	10.40	8.90
Flow	m3/s	365	1713	3474.4274	7770	3349.00	4986.00
Lead (Pb), dissolved	µg/l	12	0.105	0.24867	0.434	0.196	0.421
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Magnesium (Mg++)	mg/l	12	11.4	15.20833	17.9	15.80	17.20

Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00165	0.0074	0.001	0.0024
Nickel (Ni), dissolved	µg/l	12	0.43	1.17067	2.772	0.931	2.539
Nitrate (NO3-N)	mg/l	12	0.9	1.83333	2.71	1.65	2.65
Nitrite (NO2-N)	mg/l	12	< 0.0005	0.01354	0.044	0.009	0.027
Organic nitrogen	mg/l	12	0.059	0.20442	0.439	0.14	0.401
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.03221	0.048	0.034	0.047
Potassium (K+)	mg/l	12	2.03	2.54417	3.19	2.43	3.08
Silicates(SiO2), dissolved	mg/l	12	1	5.1875	7.78	5.34	7.39
Sodium (Na+)	mg/l	12	9.26	12.7425	16.35	12.33	15.82
Sulphate (SO4--)	mg/l	12	15.3	31.53333	41.6	32.30	39.40
Suspended solids	mg/l	12	7	20.625	36	19.00	27.00
TOC	mg/l	12	1.83	2.80417	4.15	2.45	3.68
Temperature	°C	12	2.7	12.95	26.1	10.30	23.20
Total nitrogen	mg/l	12	1.17	2.09583	3.13	1.86	2.92
Total phosphorus	mg/l	12	0.057	0.09133	0.15	0.088	0.119
Zinc (Zn), dissolved	µg/l	12	1.46	6.18583	19.334	3.535	12.055
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012
pH	-	12	7.9	8.10917	8.4	8.11	7.90

25.06.2015

Page 55 of

River: Drava **Catchment:** 31038.00 km2 **2013**
Distance from mouth: 227 **Altitude:** 123 m **HR4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.0691	1.28888	1.4487	1.2789	1.4288
Ammonium (NH4-N)	mg/l	12	0.029	0.0515	0.093	0.052	0.068
Anionic active surfactants	mg/l	4	< 0.03	0.041	0.074	0.074	0.074
Arsenic (As), dissolved	µg/l	12	0.878	1.20475	1.467	1.244	1.389
BOD (5)	mg/l	12	1.2	1.83333	3.7	1.60	2.20
COD (Cr)	mg/l	12	4.2	7.58333	14.7	6.30	12.10
COD (Mn)	mg/l	12	1.9	3.08333	6.6	2.70	3.90
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01392	0.032	0.013	0.021
Calcium (Ca++)	mg/l	12	31.6	41.79167	50.8	42.60	47.30
Chloride (Cl-)	mg/l	12	5.77	9.74333	16.11	9.05	14.84
Chromium (Cr), total	µg/l	12	0.138	0.38683	0.762	0.297	0.641
Conductivity	µS/cm	12	234	313	375	302.00	355.00
Copper (Cu), dissolved	µg/l	12	0.514	0.98933	1.794	0.828	1.549
Dissolved oxygen	mg/l	12	8	10.55	12.6	10.10	9.20
Lead (Pb), dissolved	µg/l	12	0.167	0.42808	0.929	0.354	0.676
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Magnesium (Mg++)	mg/l	12	8.6	11.44167	13.9	12.00	13.00
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00194	0.0077	0.001	0.0039
Nickel (Ni), dissolved	µg/l	12	0.388	0.86408	2.422	0.518	1.975
Nitrate (NO3-N)	mg/l	12	0.73	1.2375	2.15	0.99	1.82
Nitrite (NO2-N)	mg/l	12	0.007	0.0105	0.016	0.01	0.014

Organic nitrogen	mg/l	12	0.028	0.15633	0.595	0.056	0.307
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.01604	0.026	0.014	0.025
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Potassium (K+)	mg/l	12	1.48	2.0075	2.54	2.04	2.27
Silicates(SiO2), dissolved	mg/l	12	3.99	6.21583	8.83	5.90	7.36
Sodium (Na+)	mg/l	12	4.62	7.93667	11.26	8.03	9.56
Sulphate (SO4--)	mg/l	12	16.6	24.03333	30	23.50	29.40
Suspended solids	mg/l	12	4	19.5	86	11.00	28.00
TOC	mg/l	12	1.53	2.16833	3.32	1.97	2.98
Temperature	°C	12	3.5	11.85833	24.4	11.20	18.10
Total nitrogen	mg/l	12	0.86	1.45583	2.53	1.29	2.40
Total phosphorus	mg/l	12	< 0.0125	0.06504	0.196	0.051	0.082
Zinc (Zn), dissolved	µg/l	12	1.093	3.53508	9.119	2.612	5.90
p,p'-DDT	µg/l	4	< 0.00125	0.00219	0.005	0.005	0.005
pH	-	12	7.75	8.05	8.2	8.05	7.91

25.06.2015

Page 56 of

River: Drava **Catchment:** 37142.00 km2 **2013**
Distance from mouth: 78 **Altitude:** 92 m **HR5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.119	1.32635	1.5387	1.2989	1.4887
Ammonium (NH4-N)	mg/l	12	< 0.005	0.04058	0.102	0.027	0.089
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03	0.03	0.03
Arsenic (As), dissolved	µg/l	12	0.968	1.38292	1.791	1.32	1.598
BOD (5)	mg/l	12	1.2	1.85	2.6	1.80	2.40
COD (Cr)	mg/l	12	< 2	8.275	14.4	6.00	13.20
COD (Mn)	mg/l	12	1.8	3.14167	5.8	2.70	4.70
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.016	0.04	0.015	0.023
Calcium (Ca++)	mg/l	12	35	43.375	51.2	44.10	48.80
Chloride (Cl-)	mg/l	12	3.67	9.50917	16.09	8.78	15.72
Chromium (Cr), total	µg/l	12	0.169	0.44967	0.735	0.367	0.695
Conductivity	µS/cm	12	248	321.58333	381	311.00	376.00
Copper (Cu), dissolved	µg/l	12	0.591	1.30175	3.395	1.101	2.022
Dissolved oxygen	mg/l	12	9.2	10.56667	12.5	10.20	9.30
Lead (Pb), dissolved	µg/l	12	0.136	0.55817	1.482	0.401	0.968
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Magnesium (Mg++)	mg/l	12	9.4	12.15833	14.2	11.90	13.90
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00263	0.0131	0.001	0.0039
Nickel (Ni), dissolved	µg/l	12	0.405	1.08517	3.705	0.695	2.179
Nitrate (NO3-N)	mg/l	12	0.53	1.18583	2.31	1.00	2.00
Nitrite (NO2-N)	mg/l	12	0.003	0.00792	0.017	0.006	0.013
Organic nitrogen	mg/l	12	0.039	0.22775	0.855	0.117	0.711
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.01979	0.04	0.018	0.035
Phenol index	mg/l	4	< 0.0015	0.00713	0.024	0.024	0.024
Potassium (K+)	mg/l	12	1.48	2.045	2.59	1.98	2.51
Silicates(SiO2), dissolved	mg/l	12	3.1	6.46833	8.61	5.99	8.33

Sodium (Na+)	mg/l	12	5.24	8.03333	11.35	8.04	9.46
Sulphate (SO4--)	mg/l	12	10.3	23.23333	29.2	23.80	28.70
Suspended solids	mg/l	12	4	20.41667	74	14.00	34.00
TOC	mg/l	12	1.67	2.4025	3.92	1.97	3.74
Temperature	°C	12	4.3	12.69167	26.5	12.10	20.00
Total nitrogen	mg/l	12	0.74	1.46167	2.66	1.31	2.19
Total phosphorus	mg/l	12	0.028	0.07258	0.217	0.056	0.099
Zinc (Zn), dissolved	µg/l	12	0.917	2.27325	5.127	1.836	3.336
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012
pH	-	12	7.83	8.0975	8.5	8.10	7.88

25.06.2015

Page 57 of

River: Sava **Catchment:** 10834.00 km² **2013**
Distance from mouth: 729 **Altitude:** 135 m **HR6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.6985	1.97918	2.1681	2.0282	2.1481
Ammonium (NH4-N)	mg/l	11	< 0.005	0.04509	0.082	0.037	0.077
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03	0.03	0.03
Arsenic (As), dissolved	µg/l	11	0.163	0.42527	0.723	0.389	0.691
BOD (5)	mg/l	11	0.7	1.44545	2.6	1.50	1.80
COD (Cr)	mg/l	11	< 2	7.19091	11.3	6.60	10.10
COD (Mn)	mg/l	11	1.1	2.3	4.6	2.10	2.80
Cadmium (Cd), dissolved	µg/l	11	< 0.005	0.00682	0.025	0.005	0.005
Calcium (Ca++)	mg/l	11	53.6	59.51818	67.4	59.50	64.10
Chloride (Cl-)	mg/l	11	5	8.15545	14.58	7.00	13.64
Chromium (Cr), total	µg/l	11	0.138	0.29982	0.386	0.31	0.37
Conductivity	µS/cm	11	345	404.09091	453	410.00	441.00
Copper (Cu), dissolved	µg/l	11	0.473	0.86464	1.716	0.787	1.472
Dissolved oxygen	mg/l	11	8.8	10.22727	11.8	10.60	9.20
Flow	m ³ /s	365	67	335.06712	1597	250	694
Lead (Pb), dissolved	µg/l	11	0.045	0.17618	0.397	0.139	0.267
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Macrozoobenthos - number of families	-	1	26	26	26		
Magnesium (Mg++)	mg/l	11	11.1	15.1	20.9	14.90	18.00
Mercury (Hg), dissolved	µg/l	11	< 0.001	0.00215	0.0055	0.001	0.0043
Nickel (Ni), dissolved	µg/l	11	0.137	0.94273	4.96	0.428	0.993
Nitrate (NO3-N)	mg/l	11	0.88	1.31455	1.74	1.28	1.57
Nitrite (NO2-N)	mg/l	11	0.004	0.01091	0.021	0.011	0.015
Organic nitrogen	mg/l	11	0.024	0.14627	0.619	0.072	0.285
Orthophosphate (PO4-P)	mg/l	11	0.007	0.02818	0.06	0.027	0.039
Potassium (K+)	mg/l	11	0.76	1.20545	1.95	1.11	1.95
Silicates(SiO2), dissolved	mg/l	11	0.84	3.29364	5.8	3.47	4.35
Sodium (Na+)	mg/l	11	3.61	5.73273	9.73	5.28	7.88
Sulphate (SO4--)	mg/l	11	7.6	12.31818	21	11.60	18.00
Suspended solids	mg/l	11	< 1	11.81818	70	7.00	10.00
TOC	mg/l	11	1.19	1.93636	2.66	1.94	2.43

Temperature	°C	11	5.5	13.26364	23.2	13.00	22.90
Total nitrogen	mg/l	11	1.14	1.51636	1.83	1.54	1.72
Total phosphorus	mg/l	11	0.042	0.08691	0.238	0.06	0.137
Zinc (Zn), dissolved	µg/l	11	1.087	1.81255	3.788	1.405	3.269
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012
pH	-	11	7.94	8.11818	8.21	8.10	8.00

25.06.2015

Page 58 of

River: Sava **Catchment:** 30953.00 km2 **2013**
Distance from mouth: 525 **Altitude:** 87 m **HR7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.6186	1.89668	2.248	1.8584	2.1981
Ammonium (NH4-N)	mg/l	12	0.014	0.07008	0.147	0.051	0.133
Arsenic (As), dissolved	µg/l	12	0.203	0.61242	1.16	0.567	1.055
BOD (5)	mg/l	12	1.2	1.875	2.7	1.80	2.40
COD (Cr)	mg/l	12	4.8	7.36667	10.5	7.30	9.20
COD (Mn)	mg/l	12	1.9	2.90833	4.1	2.80	3.80
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.00542	0.01	0.005	0.005
Calcium (Ca++)	mg/l	12	51.8	57.63333	66	56.20	63.90
Chloride (Cl-)	mg/l	12	4.3	7.99917	14.65	7.20	10.99
Chromium (Cr), total	µg/l	12	0.22	0.55275	1.9	0.32	0.943
Conductivity	µS/cm	12	333	389.5	450	371.00	449.00
Copper (Cu), dissolved	µg/l	12	0.542	0.921	1.969	0.753	1.176
Dissolved oxygen	mg/l	12	6.2	9.50833	11.8	9.60	8.00
Flow	m3/s	365	152	971.12329	2671	797.00	2106.00
Lead (Pb), dissolved	µg/l	12	0.071	0.2325	0.432	0.235	0.359
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Macrozoobenthos - number of families	-	1	12	12	12		
Magnesium (Mg++)	mg/l	12	10.7	15.38333	22.8	14.70	22.00
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00303	0.0073	0.0027	0.0052
Nickel (Ni), dissolved	µg/l	12	0.278	1.13208	2.673	0.602	2.475
Nitrate (NO3-N)	mg/l	12	0.68	1.19583	1.62	1.25	1.47
Nitrite (NO2-N)	mg/l	12	0.002	0.01792	0.048	0.012	0.047
Organic nitrogen	mg/l	12	0.01	0.20283	1.066	0.098	0.217
Orthophosphate (PO4-P)	mg/l	12	0.006	0.04733	0.092	0.04	0.09
Potassium (K+)	mg/l	12	0.95	1.35167	1.91	1.32	1.75
Silicates(SiO2), dissolved	mg/l	12	0.35	3.68417	5.34	3.93	4.79
Sodium (Na+)	mg/l	12	3.42	5.99083	10.42	5.65	7.34
Sulphate (SO4--)	mg/l	12	6.7	11.44167	21.1	10.10	16.20
Suspended solids	mg/l	12	7	10.56667	16	10.00	15.00
TOC	mg/l	12	1.61	2.57167	3.39	2.69	3.29
Temperature	°C	12	3.8	13.06667	23.9	12.30	22.90
Total nitrogen	mg/l	12	1.03	1.48667	1.88	1.51	1.88
Total phosphorus	mg/l	12	0.05	0.1005	0.182	0.085	0.171
Zinc (Zn), dissolved	µg/l	12	0.915	2.29208	4.78	1.93	4.195
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012

pH - 12 7.76 8.02417 8.2 8.00 7.88

25.06.2015

Page 59 of

River: Sava **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 85 m **HR8**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Flow	m3/s	365	255	1326.0739	3560	1098.00	3030.00

25.06.2015

Page 60 of

River: Sava **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 85 m **HR8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.5986	1.89563	2.0582	1.9483	2.0582
Ammonium (NH4-N)	mg/l	11	< 0.005	0.051	0.116	0.052	0.093
Arsenic (As), dissolved	µg/l	11	0.267	0.98836	1.836	0.909	1.726
BOD (5)	mg/l	11	1.3	1.76364	2.6	1.60	2.40
COD (Mn)	mg/l	11	2	2.94545	4.5	2.90	4.30
Cadmium (Cd), dissolved	µg/l	11	< 0.005	0.00582	0.014	0.005	0.005
Calcium (Ca++)	mg/l	11	58.6	65.17273	79.4	63.10	71.60
Chloride (Cl-)	mg/l	11	7.95	22.92273	47.92	18.52	39.31
Chromium (Cr), total	µg/l	11	0.232	0.56218	1.284	0.357	1.048

Conductivity	µS/cm	11	350	448.27273	524	446.00	512.00
Copper (Cu), dissolved	µg/l	11	0.518	0.94464	1.456	0.938	1.363
Dissolved oxygen	mg/l	11	7.7	9.3	11.2	9.00	7.70
Lead (Pb), dissolved	µg/l	11	< 0.0035	0.18768	0.394	0.189	0.302
Magnesium (Mg++)	mg/l	11	10.6	14.64545	21.2	13.10	17.90
Mercury (Hg), dissolved	µg/l	11	< 0.001	0.00285	0.0077	0.0022	0.0053
Nickel (Ni), dissolved	µg/l	11	0.387	1.114	1.685	1.09	1.617
Nitrate (NO3-N)	mg/l	11	0.63	1.14273	1.64	1.07	1.46
Nitrite (NO2-N)	mg/l	11	0.006	0.01964	0.035	0.02	0.033
Organic nitrogen	mg/l	11	0.042	0.11709	0.324	0.091	0.224
Orthophosphate (PO4-P)	mg/l	11	0.008	0.044	0.083	0.04	0.076
Potassium (K+)	mg/l	11	1.08	1.51727	2.67	1.34	2.02
Silicates(SiO2), dissolved	mg/l	11	2.31	4.33182	5.47	4.97	5.36
Sodium (Na+)	mg/l	11	5.46	9.53364	16.27	8.04	15.37
Sulphate (SO4--)	mg/l	11	10.8	20.94545	32.5	19.20	26.40
Suspended solids	mg/l	11	4	16.07273	78.8	9.00	19.00
TOC	mg/l	11	1.82	2.46273	3.54	2.27	3.20
Temperature	°C	11	4.3	14.60909	26.3	14.30	24.40
Total nitrogen	mg/l	11	0.98	1.33	1.81	1.20	1.69
Total phosphorus	mg/l	11	0.032	0.09291	0.218	0.077	0.155
Zinc (Zn), dissolved	µg/l	11	0.557	2.75873	10.143	1.468	5.095
pH	-	11	7.9	8.05	8.2	8.00	7.97

25.06.2015

Page 61 of

River: Drava **Catchment:** 15356.00 km² **2013**
Distance from mouth: 300 **Altitude:** 192 m **HR9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	0.9791	1.26804	1.5986	1.2489	1.4787
Ammonium (NH4-N)	mg/l	12	0.012	0.03908	0.078	0.033	0.066
Anionic active surfactants	mg/l	4	< 0.03	< 0.03	< 0.03	0.03	0.03
Arsenic (As), dissolved	µg/l	12	0.624	1.23	1.566	1.236	1.452
BOD (5)	mg/l	12	0.9	1.525	2.5	1.30	2.40
COD (Cr)	mg/l	12	< 2	5.35	11.1	5.00	9.70
COD (Mn)	mg/l	12	1.1	2.18333	5	1.80	3.10
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.015	0.023	0.013	0.02
Calcium (Ca++)	mg/l	12	30.5	42.13333	52.5	40.80	50.40
Chloride (Cl-)	mg/l	12	5.6	8.88333	16.42	6.73	14.19
Chromium (Cr), total	µg/l	12	0.053	0.22758	0.447	0.205	0.343
Conductivity	µS/cm	12	223	301.83333	395	276.00	391.00
Copper (Cu), dissolved	µg/l	12	0.201	0.86333	1.61	0.893	1.192
Dissolved oxygen	mg/l	12	9.5	11.25833	13.2	11.10	10.00

Lead (Pb), dissolved	µg/l	12	0.076	0.50575	0.852	0.468	0.756
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Magnesium (Mg++)	mg/l	12	8.6	11.625	14.8	10.80	14.50
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00221	0.0047	0.001	0.0039
Nickel (Ni), dissolved	µg/l	12	0.224	0.6065	1.415	0.506	0.998
Nitrate (NO3-N)	mg/l	12	0.64	1.08333	1.68	0.84	1.67
Nitrite (NO2-N)	mg/l	12	0.003	0.00692	0.015	0.006	0.012
Organic nitrogen	mg/l	12	0.041	0.09067	0.215	0.067	0.14
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.01429	0.049	0.008	0.046
Phenol index	mg/l	5	< 0.0015	0.0024	0.006	0.006	0.006
Potassium (K+)	mg/l	12	1.14	1.69167	1.98	1.74	1.93
Silicates(SiO2), dissolved	mg/l	12	2.84	5.26	6.86	5.26	6.47
Sodium (Na+)	mg/l	12	4.61	6.6875	10.98	5.69	8.78
Sulphate (SO4--)	mg/l	12	18.2	24.7	31.1	24.30	29.50
Suspended solids	mg/l	12	< 1	13.23333	46	9.00	27.00
TOC	mg/l	12	1.06	1.735	3.07	1.68	2.03
Temperature	°C	12	3.4	12.01667	23.2	9.10	20.10
Total nitrogen	mg/l	12	0.73	1.22	1.82	1.00	1.80
Total phosphorus	mg/l	12	< 0.0125	0.07454	0.251	0.039	0.192
Zinc (Zn), dissolved	µg/l	12	1.127	3.52108	6.077	2.861	5.632
p,p'-DDT	µg/l	4	< 0.00125	< 0.00125	< 0.00125	0.0012	0.0012
pH	-	12	7.81	8.09917	8.6	8.10	7.99

25.06.2015

Page 62 of

River: Danube **Catchment:** 131605.00 km2 **2013**
Distance from mouth: 1806 **Altitude:** 108 m **HU1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.7	3.31455	3.9	3.50	3.80
Ammonium (NH4-N)	mg/l	18	< 0.008	0.10711	0.513	0.054	0.459
Arsenic (As), dissolved	µg/l	11	< 0.45	0.51818	1.2	0.45	0.45
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	3	2.43	3.49333	5.59		
COD (Cr)	mg/l	11	5	9.88182	28.1	7.90	13.70
COD (Mn)	mg/l	18	2.1	5.45	15.4	4.70	11.40
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	11	46	56.29091	66.8	54.00	66.00
Carbon tetrachloride	µg/l	1	< 0.05	< 0.05	< 0.05		
Chloride (Cl-)	mg/l	11	12.8	18.05455	29.8	15.60	25.50
Chloroform	µg/l	1	< 0.05	< 0.05	< 0.05		
Chromium (Cr), total	µg/l	11	< 0.85	< 0.85	< 0.85	0.85	0.85
Conductivity	µS/cm	18	258	345.22222	448	341.00	444.00
Copper (Cu), dissolved	µg/l	11	0.9	2.21818	6.7	1.70	3.40
Dissolved oxygen	mg/l	12	8.76	11.77833	14.43	10.73	10.23
Flow	m3/s	365	1050	2311.9726	10000	1900.00	3630.00
Iron (Fe)	mg/l	11	40	539.09091	3120	200.00	760.00
Lead (Pb), dissolved	µg/l	11	< 0.35	< 0.35	< 0.35	0.35	0.35

Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	11.2	13.87273	17	12.90	16.30
Manganese (Mn)	mg/l	11	< 0.01	31.09727	204	0.01	61.00
Mercury (Hg), dissolved	µg/l	11	< 0.01	< 0.01	< 0.01	0.01	0.01
Nickel (Ni), dissolved	µg/l	11	< 0.35	0.95909	2.3	0.90	1.80
Nitrate (NO3-N)	mg/l	18	1.15	1.93056	2.89	1.97	2.62
Nitrite (NO2-N)	mg/l	18	0.003	0.02128	0.052	0.025	0.032
Organic nitrogen	mg/l	11	< 0.5	0.62545	1.88	0.50	0.50
Orthophosphate (PO4-P)	mg/l	18	0.013	0.05634	0.0999	0.06	0.0899
Petroleum hydrocarbons	mg/l	15	< 0.01	0.02687	0.058	0.028	0.04
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 1	8.53	32	3.55	22.50
Potassium (K+)	mg/l	11	< 2	< 2	< 2	2.00	2.00
Sodium (Na+)	mg/l	11	8.3	11.45455	16.9	10.40	15.50
Sulphate (SO4--)	mg/l	11	21.6	28.75455	40.3	28.80	34.10
Suspended solids	mg/l	18	10	114.77778	627	32.00	440.00
TOC	mg/l	11	2.6	4.62727	12.7	4.00	5.70
Temperature	°C	18	4.2	12.01667	23.8	12.40	20.00
Tetrachloroethylene	µg/l	1	< 0.05	< 0.05	< 0.05		
Total nitrogen	mg/l	11	1.25	2.44091	3.86	2.13	3.63

25.06.2015

Page 63 of

River: Danube **Catchment:** 131605.00 km2 **2013**
Distance from mouth: 1806 **Altitude:** 108 m **HU1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	18	0.06	0.18667	0.62	0.16	0.55
Trichloroethylene	µg/l	1	< 0.05	< 0.05	< 0.05		
Zinc (Zn), dissolved	µg/l	11	< 5	6.63636	23	5.00	5.00
p,p'-DDT	µg/l	11	< 0.01	< 0.01	< 0.01	0.01	0.01
pH	-	18	7.3	8.07222	8.48	8.16	7.74

River: Tisza **Catchment:** 9707.00 km2 **2013**
Distance from mouth: 757 **Altitude:** 114 m **HU10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	8	7.5	41.45	98	98.00	98.00
Aluminium (Al), dissolved	µg/l	8	< 1	10.8375	24	24.00	24.00
Ammonium (NH4-N)	mg/l	12	0.02	0.0575	0.1	0.05	0.09
Arsenic (As)	µg/l	10	< 0.5	11.033	47.8	47.80	47.80
Atrazine	µg/l	5	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	10	< 2.5	8.48	25.3	25.30	25.30
COD (Mn)	mg/l	12	3.1	7.275	17.8	4.50	13.90
Cadmium (Cd)	µg/l	11	< 0.1	0.45455	3.1	0.10	0.70
Cadmium (Cd), dissolved	µg/l	11	< 0.1	0.36364	2.5	0.10	0.60
Chloride (Cl-)	mg/l	12	< 3.5	11.45833	15	12.00	15.00
Chloroform	µg/l	5	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	9	< 0.5	3.13333	13	13.00	13.00
Chromium (Cr), total	µg/l	9	< 0.5	2.33333	11	11.00	11.00
Conductivity	µS/cm	12	172.4	257.475	494	249.00	285.00
Copper (Cu)	µg/l	9	< 2.5	5.34444	11	11.00	11.00
Copper (Cu), dissolved	µg/l	9	< 2.5	4.32222	9.7	9.70	9.70
Dissolved oxygen	mg/l	2	12.9	13.65	14.4		
Flow	m3/s	365	33.3	176.47288	1130	107.00	413.00
Iron (Fe)	mg/l	9	70	106.33333	170	170.00	170.00
Lead (Pb)	µg/l	9	< 1.5	5.06667	13	13.00	13.00
Lead (Pb), dissolved	µg/l	9	< 1.5	4.47778	12	12.00	12.00
Manganese (Mn)	mg/l	9	1.2	33.91111	130	130.00	130.00

Mercury (Hg)	µg/l	12	< 0.01	0.02067	0.064	0.01	0.04
Nickel (Ni)	µg/l	9	< 0.5	3.33333	17	17.00	17.00
Nickel (Ni), dissolved	µg/l	9	< 0.5	2.14444	12	12.00	12.00
Nitrate (NO3-N)	mg/l	12	0.3	0.65	1.4	0.50	1.20
Nitrite (NO2-N)	mg/l	6	< 0.0015	0.00858	0.01	0.01	0.01
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.01109	0.0271	0.0073	0.0211
Petroleum hydrocarbons	mg/l	12	< 0.02	0.035	0.08	0.02	0.07
Phenol index	mg/l	12	< 0.001	0.0015	0.003	0.001	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.55	3.30833	16.3	1.70	8.70
Suspended solids	mg/l	12	< 5	43.08333	148	12.00	121.00
Temperature	°C	13	1.7	12.95385	26.6	12.50	25.00
Tetrachloroethylene	µg/l	5	< 0.25	< 0.25	< 0.25	0.25	0.25
Total phosphorus	mg/l	12	< 0.02	0.08162	0.222	0.057	0.202
Zinc (Zn)	µg/l	9	< 0.5	14.65556	24	24.00	24.00
Zinc (Zn), dissolved	µg/l	9	< 0.5	2.26667	13	13.00	13.00
p,p'-DDT	µg/l	5	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 65 of

River: Tisza **Catchment:** 9707.00 km2 **2013**
Distance from mouth: 757 **Altitude:** 114 m **HU10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	13	7.25	7.74923	8.25	7.78	7.25

25.06.2015

Page 66 of

River: Tisza/Szamos **Catchment:** 15283.00 km2 **2013**
Distance from mouth: 45 **Altitude:** 113 m **HU11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	8	5.1	124.7625	250	250.00	250.00
Aluminium (Al), dissolved	µg/l	8	< 1	12.0625	41	41.00	41.00
Ammonium (NH4-N)	mg/l	13	0.06	0.27846	0.96	0.18	0.54
Arsenic (As)	µg/l	12	< 0.5	12.65833	75.2	4.54	35.48
Atrazine	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	13	17.3	29.06154	44.9	26.70	44.40
COD (Mn)	mg/l	13	8	12.2	27.5	10.00	16.10
Cadmium (Cd)	µg/l	12	< 0.1	0.3	1.4	0.10	0.70
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.2	0.8	0.10	0.40
Chloride (Cl-)	mg/l	13	16	73.61538	197	68.00	112.00
Chloroform	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	9	< 0.5	2.9	12	12.00	12.00
Chromium (Cr), total	µg/l	9	< 0.5	2.21111	12	12.00	12.00
Conductivity	µS/cm	13	295	594.07692	1045	580.00	734.00
Copper (Cu)	µg/l	9	< 2.5	8.35556	20	20.00	20.00
Copper (Cu), dissolved	µg/l	9	< 2.5	5.25556	17	17.00	17.00
Dissolved oxygen	mg/l	2	12.6	13.2	13.8		
Flow	m3/s	365	18.8	96.90986	905	51.40	236.00
Iron (Fe)	mg/l	9	45	365.77778	658	658.00	658.00
Lead (Pb)	µg/l	9	< 1.5	6.25556	20	20.00	20.00
Lead (Pb), dissolved	µg/l	9	< 1.5	3.93333	15	15.00	15.00
Manganese (Mn)	mg/l	9	1.8	145.97778	388	388.00	388.00
Mercury (Hg)	µg/l	13	< 0.01	0.02269	0.047	0.01	0.046
Nickel (Ni)	µg/l	9	< 0.5	1.77778	7.6	7.60	7.60
Nickel (Ni), dissolved	µg/l	9	< 0.5	1.11111	6	6.00	6.00
Nitrate (NO3-N)	mg/l	13	0.3	1.05385	2.1	1.10	1.50
Nitrite (NO2-N)	mg/l	13	0.01	0.02615	0.06	0.02	0.05
Orthophosphate (PO4-P)	mg/l	13	< 0.0035	0.01907	0.0378	0.0177	0.0348
Petroleum hydrocarbons	mg/l	12	< 0.02	0.035	0.1	0.02	0.06
Phenol index	mg/l	13	< 0.001	0.00146	0.003	0.001	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	1.2	13.67692	39.3	8.70	33.80
Suspended solids	mg/l	19	< 5	96.73684	726	32.00	356.00
Temperature	°C	13	0.4	12.87692	26.3	13.60	22.80
Tetrachloroethylene	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Total phosphorus	mg/l	13	0.0625	0.19647	0.505	0.157	0.396
Zinc (Zn)	µg/l	9	< 0.5	136.16667	270	270.00	270.00
Zinc (Zn), dissolved	µg/l	9	< 0.5	69.27778	190	190.00	190.00
p,p'-DDT	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 67 of

River: Tisza/Szamos **Catchment:** 15283.00 km2 **2013**
Distance from mouth: 45 **Altitude:** 113 m **HU11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	13	6.96	7.73	8.62	7.64	7.10

River: Tisza/Hármas- **Catchment:** 2489.00 km² **2013**
Distance from mouth: 9 **Altitude:** 92 m **HU12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	8	2.1	23.3875	43	43.00	43.00
Aluminium (Al), dissolved	µg/l	8	< 1	4.725	8.7	8.70	8.70
Ammonium (NH ₄ -N)	mg/l	13	0.04	0.13769	0.37	0.12	0.27
Arsenic (As)	µg/l	12	< 0.5	12.66083	91.5	2.91	27.56
Atrazine	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	11	< 2.5	8.50909	11.9	8.60	11.10
COD (Mn)	mg/l	12	4.8	7.56667	11.3	7.40	10.30
Cadmium (Cd)	µg/l	11	< 0.1	0.32727	2.6	0.10	0.10
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.3	2.5	0.10	0.10
Chloride (Cl ⁻)	mg/l	13	< 3.5	12.03846	17	13.00	17.00
Chloroform	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	9	< 0.5	4.14444	13	13.00	13.00
Chromium (Cr), total	µg/l	10	< 0.5	2.54	11	11.00	11.00
Conductivity	µS/cm	13	231	281	363	299.00	313.00
Copper (Cu)	µg/l	9	< 2.5	6.23333	13	13.00	13.00
Copper (Cu), dissolved	µg/l	10	< 2.5	< 2.5	< 2.5	2.50	2.50
Dissolved oxygen	mg/l	2	8.1	10.4	12.7		
Flow	m ³ /s	365	3.34	18.96455	168	10.00	39.40
Iron (Fe)	mg/l	9	30	93.88889	229	229.00	229.00
Lead (Pb)	µg/l	9	< 1.5	11.7	26	26.00	26.00
Lead (Pb), dissolved	µg/l	10	< 1.5	8.18	26	26.00	26.00
Manganese (Mn)	mg/l	9	9.6	51.17778	157	157.00	157.00

Mercury (Hg)	µg/l	12	< 0.01	0.02042	0.061	0.01	0.031
Nickel (Ni)	µg/l	9	< 0.5	2.51111	10	10.00	10.00
Nickel (Ni), dissolved	µg/l	10	< 0.5	1.82	9.2	9.20	9.20
Nitrate (NO3-N)	mg/l	13	< 0.0565	1.07358	1.7	1.30	1.60
Nitrite (NO2-N)	mg/l	13	0.01	0.03769	0.11	0.03	0.11
Orthophosphate (PO4-P)	mg/l	13	0.0092	0.03	0.1029	0.023	0.0502
Petroleum hydrocarbons	mg/l	12	< 0.02	0.03417	0.1	0.02	0.05
Phenol index	mg/l	12	< 0.001	0.00117	0.003	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	< 0.55	2.79231	11.4	1.70	4.50
Suspended solids	mg/l	13	< 5	14.84615	46	11.00	38.00
Temperature	°C	12	1.2	13.55	26.1	13.70	20.90
Tetrachloroethylene	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Total phosphorus	mg/l	13	< 0.02	0.07636	0.172	0.0586	0.115
Zinc (Zn)	µg/l	9	< 0.5	12.62222	54	54.00	54.00
Zinc (Zn), dissolved	µg/l	10	< 0.5	0.66	2.1	2.10	2.10
p,p'-DDT	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 69 of

River: Tisza/Hármas- **Catchment:** 2489.00 km2 **2013**
Distance from mouth: 9 **Altitude:** 92 m **HU12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	10	7.22	7.927	8.96	7.22	7.22

25.06.2015

Page 70 of

River: Tisza/Hármas- **Catchment:** 4302.00 km2 **2013**
Distance from mouth: 16 **Altitude:** 85 m **HU13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	8	7.1	39.3875	130	130.00	130.00
Aluminium (Al), dissolved	µg/l	8	< 1	8.85	30	30.00	30.00
Ammonium (NH4-N)	mg/l	13	0.03	0.06462	0.11	0.07	0.10
Arsenic (As)	µg/l	11	< 0.5	8.12818	33.7	4.86	23.10
Atrazine	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	7	5.5	7.81429	9.5	9.50	9.50
COD (Mn)	mg/l	12	4.8	9.20833	25	6.80	16.50
Cadmium (Cd)	µg/l	11	< 0.1	0.32727	2.2	0.10	0.50
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.25	1.9	0.10	0.10
Chloride (Cl-)	mg/l	13	< 3.5	8.07692	12	9.00	12.00
Chloroform	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	9	< 0.5	3.72222	14	14.00	14.00
Chromium (Cr), total	µg/l	10	< 0.5	1.89	13	13.00	13.00
Conductivity	µS/cm	13	199.3	305.56154	374	301.00	357.00
Copper (Cu)	µg/l	9	< 2.5	5.45556	12	12.00	12.00
Copper (Cu), dissolved	µg/l	10	< 2.5	< 2.5	< 2.5	2.50	2.50
Dissolved oxygen	mg/l	2	8.5	10.25	12		
Flow	m3/s	365	2.15	34.55756	355	12.50	105.00
Iron (Fe)	mg/l	9	25	229.11111	449	449.00	449.00
Lead (Pb)	µg/l	9	< 1.5	6.78889	22	22.00	22.00
Lead (Pb), dissolved	µg/l	10	< 1.5	8.89	55	55.00	55.00
Manganese (Mn)	mg/l	9	< 0.0005	38.11117	90	90.00	90.00
Mercury (Hg)	µg/l	12	< 0.01	0.01983	0.055	0.01	0.042
Nickel (Ni)	µg/l	9	< 0.5	1.9	5.9	5.90	5.90
Nickel (Ni), dissolved	µg/l	10	< 0.5	1.22	5.1	5.10	5.10
Nitrate (NO3-N)	mg/l	13	< 0.0565	0.63946	1.6	0.50	1.30
Nitrite (NO2-N)	mg/l	8	< 0.0015	0.01269	0.03	0.03	0.03
Orthophosphate (PO4-P)	mg/l	13	< 0.0035	0.02602	0.0512	0.0231	0.0486
Petroleum hydrocarbons	mg/l	12	< 0.02	0.0575	0.2	0.02	0.17
Phenol index	mg/l	12	< 0.001	0.00117	0.003	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	< 0.55	1.89231	10.9	1.40	2.10
Suspended solids	mg/l	13	< 5	29.69231	200	11.00	70.00
Temperature	°C	12	1	14.09167	27.3	12.90	21.70
Tetrachloroethylene	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Total phosphorus	mg/l	13	< 0.02	0.08278	0.429	0.0448	0.159
Zinc (Zn)	µg/l	9	< 0.5	1.77778	5.2	5.20	5.20
Zinc (Zn), dissolved	µg/l	10	< 0.5	0.95	2.8	2.80	2.80
p,p'-DDT	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 71 of

River: Tisza/Hármas- **Catchment:** 4302.00 km2 **2013**
Distance from mouth: 16 **Altitude:** 85 m **HU13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	10	6.95	7.946	8.38	6.95	6.95

River: Tisza/Hármas- **Catchment:** 4251.00 km2 **2013**
Distance from mouth: 59 **Altitude:** 85 m **HU14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	8	17	53.125	190	190.00	190.00
Aluminium (Al), dissolved	µg/l	8	< 1	16.1	35	35.00	35.00
Ammonium (NH4-N)	mg/l	13	0.04	0.10538	0.23	0.10	0.15
Arsenic (As)	µg/l	11	< 0.5	7.17273	30.07	6.30	7.20
Atrazine	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	5	9.5	14.56	23.3	23.30	23.30
COD (Mn)	mg/l	12	5.8	10.63333	22.9	9.80	14.90
Cadmium (Cd)	µg/l	11	< 0.1	0.47273	4.2	0.10	0.10
Cadmium (Cd), dissolved	µg/l	12	< 0.1	0.23333	1.7	0.10	0.10
Chloride (Cl-)	mg/l	13	< 3.5	10.61538	21	10.00	19.00
Chloroform	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	9	< 0.5	4.42222	15	15.00	15.00
Chromium (Cr), total	µg/l	10	< 0.5	2.79	13	13.00	13.00
Conductivity	µS/cm	13	186.5	345.80769	504	330.00	471.00
Copper (Cu)	µg/l	9	< 2.5	5.27778	13	13.00	13.00
Copper (Cu), dissolved	µg/l	10	< 2.5	3.11	5.8	5.80	5.80
Dissolved oxygen	mg/l	2	8.5	10.75	13		
Flow	m3/s	365	1.37	20.15666	205	7.59	62.90
Iron (Fe)	mg/l	9	34	241.88889	616	616.00	616.00
Lead (Pb)	µg/l	9	< 1.5	14.58889	47	47.00	47.00
Lead (Pb), dissolved	µg/l	10	< 1.5	13.88	43	43.00	43.00
Manganese (Mn)	mg/l	9	4	48.33333	160	160.00	160.00

Mercury (Hg)	µg/l	11	< 0.01	0.01545	0.051	0.01	0.029
Nickel (Ni)	µg/l	9	< 0.5	2.7	8.7	8.70	8.70
Nickel (Ni), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	13	< 0.0565	0.62742	1.2	0.50	0.90
Nitrite (NO2-N)	mg/l	13	< 0.0015	0.01242	0.02	0.01	0.02
Orthophosphate (PO4-P)	mg/l	13	0.0173	0.05199	0.1629	0.0309	0.1219
Petroleum hydrocarbons	mg/l	12	< 0.02	0.03333	0.11	0.02	0.06
Phenol index	mg/l	12	< 0.001	0.00117	0.003	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	< 0.55	1.8	3.6	1.70	3.10
Suspended solids	mg/l	13	< 5	25.46154	116	12.00	78.00
Temperature	°C	11	0.9	13.47273	27	12.90	22.70
Tetrachloroethylene	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Total phosphorus	mg/l	13	< 0.02	0.11051	0.337	0.0696	0.20
Zinc (Zn)	µg/l	9	< 0.5	5.72222	24	24.00	24.00
Zinc (Zn), dissolved	µg/l	10	< 0.5	1.64	9.9	9.90	9.90
p,p'-DDT	µg/l	4	< 0.005	< 0.005	< 0.005	0.005	0.005

25.06.2015

Page 73 of

River: Tisza/Hármas- **Catchment:** 4251.00 km2 **2013**
Distance from mouth: 59 **Altitude:** 85 m **HU14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	9	7.08	7.94889	8.41	7.08	7.08

25.06.2015

Page 74 of

River: Tisza/Maros **Catchment:** 30149.00 km2 **2013**
Distance from mouth: 51 **Altitude:** 80 m **HU15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	1.5	2.02308	2.8	1.90	2.40
Aluminium (Al), dissolved	µg/l	12	5.3	32.325	71.3	23.60	68.10
Ammonium (NH4-N)	mg/l	12	< 0.015	0.06042	0.26	0.015	0.25
Anionic active surfactants	mg/l	2	< 0.01	0.025	0.04		
Arsenic (As), dissolved	µg/l	12	< 1	2.8925	10.3	1.00	6.22
Atrazine	µg/l	6	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
BOD (5)	mg/l	12	< 0.25	2.3875	5.1	2.10	4.70
COD (Cr)	mg/l	12	11	16.83333	28	15.00	24.00
COD (Mn)	mg/l	12	1.9	4.23333	7	3.50	6.90
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	28.9	41.50833	58.6	38.70	56.20
Carbon tetrachloride	µg/l	1	< 0.05	< 0.05	< 0.05		
Chloride (Cl-)	mg/l	12	21	47.66667	75	39.00	75.00
Chloroform	µg/l	1	< 0.4	< 0.4	< 0.4		
Chromium (Cr), total	µg/l	13	< 0.25	2.71154	10	2.00	5.00
Conductivity	µS/cm	12	250	378.16667	496	376.00	486.00
Copper (Cu), dissolved	µg/l	13	< 0.25	3.36538	5.9	3.20	5.30
Dissolved oxygen	mg/l	12	8	10.625	13.4	10.70	8.20
Flow	m3/s	365	31.5	116.35945	601	79.20	222.00
Lead (Pb), dissolved	µg/l	12	< 0.5	1.70833	7	0.50	4.00
Lindane (gama-HCH)	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	4.48	8.00917	11.2	7.84	10.60
Mercury (Hg)	µg/l	12	< 0.05	0.0725	0.32	0.05	0.05
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	13	< 0.25	0.66538	1.8	0.25	1.70
Nitrate (NO3-N)	mg/l	12	< 0.09	0.98167	1.84	0.97	1.84
Nitrite (NO2-N)	mg/l	12	< 0.005	0.00875	0.02	0.005	0.02
Organic nitrogen	mg/l	12	< 0.05	0.495	0.92	0.47	0.83
Orthophosphate (PO4-P)	mg/l	12	< 0.0045	0.02067	0.06	0.01	0.05
Petroleum hydrocarbons	mg/l	12	0.02	0.03333	0.07	0.03	0.04
Phenol index	mg/l	2	0.003	0.0035	0.004		
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	1.8	47.37692	120	46.00	100.00
Potassium (K+)	mg/l	12	2.5	4.05	5.5	4.20	4.60
Silicates (SiO2)	mg/l	1	0.7	0.7	0.7		
Sodium (Na+)	mg/l	12	16	35.58333	55	36.00	47.00
Sulphate (SO4--)	mg/l	12	19	49.41667	79	45.00	66.00
Suspended solids	mg/l	13	10	47.92308	121	36.00	117.00
TOC	mg/l	13	3	6.23077	14	5.30	13.00

25.06.2015

Page 75 of

River: Tisza/Maros **Catchment:** 30149.00 km2 **2013**
Distance from mouth: 51 **Altitude:** 80 m **HU15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	1.9	14.425	26.3	13.60	25.60

Tetrachloroethylene	µg/l	1	< 0.5	< 0.5	< 0.5		
Total nitrogen	mg/l	13	0.68	1.47692	2.4	1.40	2.40
Total phosphorus	mg/l	12	< 0.025	0.10875	0.34	0.07	0.20
Trichloroethylene	µg/l	1	< 0.05	< 0.05	< 0.05		
Zinc (Zn), dissolved	µg/l	12	< 0.25	6.5125	16.5	6.00	10.40
p,p'-DDT	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.74	8.42667	8.86	8.34	7.89

25.06.2015

Page 76 of

River: Danube **Catchment:** 150820.00 km2 **2013**
Distance from mouth: 1768 **Altitude:** 101 m **HU2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	6.74167	14.9	5.00	10.80
Alkalinity - total	mmol/l	12	3	3.415	4.24	3.30	3.90
Ammonium (NH4-N)	mg/l	21	< 0.008	0.147	0.544	0.054	0.389
Anionic active surfactants	mg/l	11	< 0.02	0.02809	0.058	0.02	0.047
Arsenic (As), dissolved	µg/l	12	< 0.45	0.57083	1.9	0.45	0.45
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	9	0.5	1.94	4.74	4.74	4.74
COD (Cr)	mg/l	12	6.7	9.84167	14.4	9.00	12.80
COD (Mn)	mg/l	21	2.3	5.64762	14	4.70	10.40
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	52	59.16667	68	59.20	64.00
Chloride (Cl-)	mg/l	12	14.9	20.20833	28.4	18.40	26.20
Chromium (Cr), total	µg/l	12	< 0.85	0.9875	2.5	0.85	0.85
Conductivity	µS/cm	29	259	353.24138	464	351.00	448.00
Copper (Cu), dissolved	µg/l	12	0.9	2.9	7.2	2.10	5.40

Dissolved oxygen	mg/l	13	6.9	10.16231	14.18	10.15	6.91
Flow	m3/s	365	1150	2451.7260	9320	2100.00	3780.00
Iron (Fe)	mg/l	1	8880	8880	8880		
Lead (Pb), dissolved	µg/l	12	< 0.35	< 0.35	< 0.35	0.35	0.35
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	11.9	14.11667	18.5	13.60	16.50
Mercury (Hg), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Nickel (Ni), dissolved	µg/l	12	< 0.35	1.09167	4.9	0.35	2.20
Nitrate (NO3-N)	mg/l	21	1.2	1.99952	2.94	2.04	2.66
Nitrite (NO2-N)	mg/l	21	0.007	0.02552	0.052	0.023	0.037
Organic nitrogen	mg/l	12	< 0.5	0.80583	1.7	0.50	1.27
Orthophosphate (PO4-P)	mg/l	21	0.023	0.06495	0.1129	0.0629	0.0969
Petroleum hydrocarbons	mg/l	20	< 0.01	0.03195	0.08	0.026	0.047
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1	6.9875	26.6	2.37	14.20
Potassium (K+)	mg/l	12	< 2	2.21667	4.6	2.00	2.00
Sodium (Na+)	mg/l	26	< 2	10.45769	18.3	9.90	16.20
Sulphate (SO4--)	mg/l	12	22.6	43.83333	60	44.60	57.60
Suspended solids	mg/l	21	9	114.14286	470	33.00	412.00
TOC	mg/l	12	2.8	4.5	5.9	4.10	5.70
Temperature	°C	27	2.2	14.65926	26	16.00	20.80
Total nitrogen	mg/l	12	1.79	2.8325	3.73	2.83	3.53
Total phosphorus	mg/l	21	0.08	0.19	0.44	0.13	0.41

25.06.2015

Page 77 of

River: Danube **Catchment:** 150820.00 km2 **2013**
Distance from mouth: 1768 **Altitude:** 101 m **HU2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 5	5.45833	10.5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
pH	-	29	7.45	7.98276	8.5	7.96	7.64

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	6.6	15.4	5.00	13.80
Alkalinity - total	mmol/l	23	1.6	2.84348	3.6	2.90	3.40
Aluminium (Al)	µg/l	12	< 5	528.66667	2000	268.00	1160.00
Aluminium (Al), dissolved	µg/l	12	< 5	97.275	443	34.50	269.00
Ammonium (NH4-N)	mg/l	23	< 0.004	0.0693	0.34	0.05	0.12
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	12	< 1	1.64083	3.42	1.00	2.45
Arsenic (As), dissolved	µg/l	12	< 1	1.3325	2.45	1.00	2.30
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	23	1.3	3.56087	6.6	3.00	6.40
COD (Cr)	mg/l	23	8	13.52174	22	13.00	20.00
COD (Mn)	mg/l	23	2.5	4.50435	7.6	4.00	7.40
Cadmium (Cd)	µg/l	12	< 0.025	0.07292	0.36	0.025	0.14
Cadmium (Cd), dissolved	µg/l	12	< 0.025	0.03375	0.13	0.025	0.025
Calcium (Ca++)	mg/l	23	25.7	47.98696	61.5	48.90	54.70
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl-)	mg/l	23	16	24.3913	40	23.90	32.10
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.465	1.06	0.25	0.82
Chromium (Cr), total	µg/l	12	< 0.25	0.30583	0.92	0.25	0.25
Conductivity	µS/cm	23	240	403.3913	500	400.00	470.00
Copper (Cu)	µg/l	12	2.33	13.67583	36	7.93	33.50

Copper (Cu), dissolved	µg/l	12	1.3	4.94917	15.6	3.12	8.53
Dissolved oxygen	mg/l	23	3.2	6.36087	9.6	6.10	4.90
Iron (Fe)	mg/l	12	91.8	884.98333	4960	313.00	1910.00
Lead (Pb)	µg/l	12	< 0.25	2.46417	13.9	0.71	3.82
Lead (Pb), dissolved	µg/l	12	< 0.25	0.76333	4.14	0.25	2.12
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	12	< 0.0025	71.50021	175	55.70	142.00
Mercury (Hg)	µg/l	12	< 0.025	0.03167	0.07	0.025	0.06
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.02792	0.06	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.25	1.20417	3.7	1.05	1.96
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.595	1.56	0.54	0.87
Nitrate (NO3-N)	mg/l	23	0.93	1.87696	3.46	1.72	3.14
Nitrite (NO2-N)	mg/l	23	< 0.0025	0.01546	0.026	0.015	0.022
Organic nitrogen	mg/l	23	< 0.025	0.02957	0.06	0.025	0.06
Orthophosphate (PO4-P)	mg/l	23	< 0.01	0.06577	0.1434	0.0554	0.1271
Petroleum hydrocarbons	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01

25.06.2015

Page 79 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	7.60833	47	3.90	9.90
Potassium (K+)	mg/l	23	1.3	3.66957	7.5	3.30	4.80
Sodium (Na+)	mg/l	23	11.3	14.68261	18.9	14.60	17.00
Sulphate (SO4--)	mg/l	23	14.4	43.55217	81.6	40.80	62.40
Suspended solids	mg/l	23	6	46.91304	204	16.00	165.00
TOC	mg/l	12	2.3	5.35	9.5	4.60	8.30
Temperature	°C	23	0.2	12.1087	25.6	12.30	21.80
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	23	0.98	2.00478	3.7	1.83	3.55
Total phosphorus	mg/l	23	0.03	0.10391	0.19	0.10	0.18
Zinc (Zn)	µg/l	12	< 10	< 10	< 10	10.00	10.00
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	20	8.1	8.35	8.8	8.30	8.10

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	23	2.6	3.12609	3.7	3.00	3.50
Aluminium (Al)	µg/l	12	58.5	339.79167	1230	164.00	659.00
Aluminium (Al), dissolved	µg/l	12	< 5	40.63333	103	31.50	72.10
Ammonium (NH4-N)	mg/l	23	0.02	0.04478	0.12	0.04	0.10
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	12	< 1	1.32333	3.3	1.00	2.58
Arsenic (As), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	23	1.1	2.77391	7.2	2.30	5.20
COD (Cr)	mg/l	23	8	11.65217	22	11.00	15.00
COD (Mn)	mg/l	23	2	3.67391	8	3.20	6.00
Cadmium (Cd)	µg/l	12	< 0.025	0.035	0.09	0.025	0.08
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	23	37.2	50.18261	60.6	50.50	54.90
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl-)	mg/l	23	19.9	26.13913	42.1	23.80	36.10
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.44667	0.97	0.25	0.96
Chromium (Cr), total	µg/l	12	< 0.25	0.2975	0.82	0.25	0.25
Conductivity	µS/cm	23	330	415.21739	520	400.00	490.00
Copper (Cu)	µg/l	11	2.05	17.79182	68.7	4.81	45.90

Copper (Cu), dissolved	µg/l	12	1.6	3.71583	7.22	3.31	6.50
Dissolved oxygen	mg/l	23	4.7	6.39565	8	6.50	5.10
Flow	m3/s	365	1240	2684.4109	9620	2350.00	4050.00
Iron (Fe)	mg/l	12	< 0.025	450.6125	2040	162.00	1070.00
Lead (Pb)	µg/l	12	< 0.25	1.14583	4.07	0.93	2.03
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	12	< 0.0025	46.09188	153	19.80	114.00
Mercury (Hg)	µg/l	12	< 0.025	0.03792	0.09	0.025	0.07
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.02792	0.06	0.025	0.025
Nickel (Ni)	µg/l	12	0.57	1.1325	2.17	0.89	1.72
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.59833	0.95	0.55	0.94
Nitrate (NO3-N)	mg/l	23	0.88	1.84609	3.66	1.67	2.83
Nitrite (NO2-N)	mg/l	23	< 0.0025	0.0137	0.027	0.012	0.023
Organic nitrogen	mg/l	23	< 0.025	0.02739	0.08	0.025	0.025
Orthophosphate (PO4-P)	mg/l	23	< 0.01	0.04312	0.0978	0.0456	0.0652

25.06.2015

Page 81 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Petroleum hydrocarbons	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	6.09167	37.3	3.00	8.60
Potassium (K+)	mg/l	23	1.9	2.73043	3.7	2.60	3.60
Sodium (Na+)	mg/l	23	10	13.7	19.6	12.90	18.50
Sulphate (SO4--)	mg/l	23	16.8	43.13478	64.8	43.30	57.60
Suspended solids	mg/l	23	5	37.86957	260	17.00	62.00
TOC	mg/l	12	2.1	4.34167	8.3	3.30	7.00
Temperature	°C	23	0.2	12.06522	25.4	12.20	21.60
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	23	0.98	1.94348	3.79	1.74	2.91
Total phosphorus	mg/l	23	< 0.01	0.0713	0.15	0.07	0.11
Zinc (Zn)	µg/l	12	< 10	14.83333	68	10.00	10.00
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	20	8.1	8.39	8.7	8.40	8.10

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	5.64167	12.7	5.00	5.00
Alkalinity - total	mmol/l	23	2.8	3.14783	3.7	3.10	3.50
Aluminium (Al)	µg/l	12	65.9	430.80833	1580	218.00	1080.00
Aluminium (Al), dissolved	µg/l	12	< 5	55.55	172	39.50	80.80
Ammonium (NH4-N)	mg/l	23	0.02	0.04913	0.12	0.04	0.11
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	12	< 1	1.37833	4.22	1.00	2.32
Arsenic (As), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	23	1.1	3.20435	13.9	2.40	6.00
COD (Cr)	mg/l	23	8	12.95652	42	11.00	20.00
COD (Mn)	mg/l	23	2.1	4.12609	15.7	3.00	6.90
Cadmium (Cd)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	23	35.7	51.23043	63.5	51.50	57.70
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl-)	mg/l	23	19.9	26.41304	42.1	23.80	38.10
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.595	2.13	0.25	0.92
Chromium (Cr), total	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	23	340	416.30435	500	410.00	500.00
Copper (Cu)	µg/l	12	2.07	7.02333	16.1	5.27	11.70

Copper (Cu), dissolved	µg/l	12	1.48	3.54333	7.48	3.34	5.46
Dissolved oxygen	mg/l	23	4	6.33043	8	6.20	4.90
Iron (Fe)	mg/l	12	62.9	319.7	1730	136.00	505.00
Lead (Pb)	µg/l	12	< 0.25	1.42917	6.23	0.82	3.38
Lead (Pb), dissolved	µg/l	12	< 0.25	0.36	0.79	0.25	0.72
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	12	< 0.0025	62.40854	337	28.40	122.00
Mercury (Hg)	µg/l	12	< 0.025	0.02875	0.07	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.02875	0.07	0.025	0.025
Nickel (Ni)	µg/l	12	0.51	1.12167	2.49	0.92	1.89
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.66917	1.38	0.60	0.93
Nitrate (NO3-N)	mg/l	23	0.86	1.86174	3.68	1.65	2.73
Nitrite (NO2-N)	mg/l	23	< 0.0025	0.01409	0.03	0.013	0.023
Organic nitrogen	mg/l	23	< 0.025	0.02739	0.08	0.025	0.025
Orthophosphate (PO4-P)	mg/l	23	< 0.01	0.04241	0.0848	0.0456	0.0685
Petroleum hydrocarbons	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01

25.06.2015

Page 83 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	6.95833	40.8	2.70	11.60
Potassium (K+)	mg/l	23	2	2.67391	3.8	2.60	3.20
Sodium (Na+)	mg/l	23	10.3	14.06087	21.7	12.70	19.70
Sulphate (SO4--)	mg/l	23	14.4	39.78261	62.4	43.20	52.90
Suspended solids	mg/l	23	5	60.3913	358	20.00	302.00
TOC	mg/l	12	2.1	4.58333	9.1	3.40	7.30
Temperature	°C	23	0.2	12.16522	25.2	12.20	22.60
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	23	0.96	1.96478	3.82	1.71	2.90
Total phosphorus	mg/l	23	< 0.01	0.07522	0.14	0.08	0.10
Zinc (Zn)	µg/l	12	< 10	10.91667	21	10.00	10.00
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	20	8.1	8.38	8.8	8.30	8.10

River: Danube **Catchment:** 188700.00 km² **2013**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.9	3.33333	3.8	3.30	3.80
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.05583	0.13	0.04	0.12
Arsenic (As), dissolved	µg/l	12	< 0.5	1.125	2.7	1.20	1.50
BOD (5)	mg/l	23	1	2.40435	3.9	2.00	3.70
COD (Cr)	mg/l	24	8	12.29167	19	12.00	16.00
COD (Mn)	mg/l	24	2.1	3.79167	7	3.80	4.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	41.1	54.85	63.3	53.30	63.00
Chloride (Cl ⁻)	mg/l	24	15.8	22.575	33.4	21.80	30.20
Chromium (Cr), total	µg/l	12	< 0.1	0.29167	0.8	0.10	0.80
Conductivity	µS/cm	24	375	452.91667	565	445.00	540.00
Copper (Cu), dissolved	µg/l	12	2	2.96667	4.9	2.80	3.90
Dissolved oxygen	mg/l	24	7.6	9.8125	12.4	9.50	8.00
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Magnesium (Mg ⁺⁺)	mg/l	12	12.2	16.98333	25.2	17.00	20.90
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.83333	1.3	0.90	1.10
Nitrate (NO ₃ -N)	mg/l	24	0.95	2.04125	3.28	1.76	2.80
Nitrite (NO ₂ -N)	mg/l	24	< 0.005	0.012	0.029	0.011	0.02
Organic nitrogen	mg/l	24	< 0.125	0.58771	1.3	0.55	0.96
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.025	0.04212	0.1108	0.025	0.0815
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	13.16667	63	3.60	47.00

Silicates (SiO ₂)	mg/l	24	2.45	3.783	5.288	3.65	4.815
Suspended solids	mg/l	23	6	33.56522	98	28.00	63.00
TOC	mg/l	13	3.4	4.66923	7	4.60	5.40
Temperature	°C	24	2.8	11.87083	27	12.10	20.90
Total nitrogen	mg/l	24	1.69	2.70667	4.02	2.63	3.79
Total phosphorus	mg/l	24	0.06	0.11208	0.22	0.10	0.16
Zinc (Zn), dissolved	µg/l	12	< 2.5	3.58333	7.5	2.50	7.00
pH	-	1	8.35	8.35	8.35		

25.06.2015

Page 85 of

River: Danube **Catchment:** 188700.00 km² **2013**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.9	3.33542	4.2	3.30	3.60
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.05604	0.11	0.05	0.10
Arsenic (As), dissolved	µg/l	12	< 0.5	1.06667	2.6	0.50	2.10
BOD (5)	mg/l	22	1	2.46818	4.3	2.50	3.70
COD (Cr)	mg/l	24	7	11.83333	18	12.00	16.00
COD (Mn)	mg/l	24	2.1	3.6875	6.3	3.70	4.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	41.1	55.06667	64.1	53.30	62.20
Chloride (Cl ⁻)	mg/l	24	15.8	22.24167	33.4	21.60	29.40
Chromium (Cr), total	µg/l	12	< 0.1	0.21667	0.4	0.10	0.40
Conductivity	µS/cm	24	375	452.91667	565	445.00	540.00
Copper (Cu), dissolved	µg/l	12	2.1	3.14167	6.1	2.70	4.50
Dissolved oxygen	mg/l	24	7	9.93333	12.4	10.10	7.70
Flow	m ³ /s	365	1300	2804.1917	8980	2470.00	4300.00
Lead (Pb), dissolved	µg/l	12	< 0.25	0.52083	3.5	0.25	0.25
Magnesium (Mg ⁺⁺)	mg/l	12	11.7	16.70833	23.8	17.00	19.50
Mercury (Hg), dissolved	µg/l	12	< 0.05	0.07083	0.2	0.05	0.15
Nickel (Ni), dissolved	µg/l	12	0.6	0.95	1.9	0.90	1.10
Nitrate (NO ₃ -N)	mg/l	24	0.97	2.05167	3.39	1.79	2.78
Nitrite (NO ₂ -N)	mg/l	24	< 0.005	0.01204	0.03	0.012	0.021
Organic nitrogen	mg/l	24	< 0.125	0.53875	1.18	0.52	1.14
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.025	0.03882	0.1011	0.025	0.0685
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	12.42083	61	3.80	32.00
Potassium (K ⁺)	mg/l	4	2.2	3.05	3.9	3.90	3.90
Silicates (SiO ₂)	mg/l	24	2.45	3.7445	5.377	3.59	4.807
Sodium (Na ⁺)	mg/l	4	10.2	15.4	19.8	19.80	19.80
Sulphate (SO ₄ ⁻⁻)	mg/l	4	38.4	45.75	63	63.00	63.00

Suspended solids	mg/l	23	5	30.52174	86	22.00	60.00
TOC	mg/l	13	3.1	4.52308	6.2	4.40	5.30
Temperature	°C	24	3	11.87917	26.9	11.80	20.70
Total nitrogen	mg/l	24	1.59	2.66667	3.93	2.53	3.85
Total phosphorus	mg/l	24	0.06	0.10458	0.28	0.09	0.14
Zinc (Zn), dissolved	µg/l	12	< 2.5	3.125	7	2.50	5.50
pH	-	1	8.35	8.35	8.35		

25.06.2015

Page 86 of

River: Danube **Catchment:** 188700.00 km2 **2013**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.9	3.33333	4.2	3.30	3.70
Ammonium (NH4-N)	mg/l	24	< 0.005	0.06229	0.11	0.05	0.10
Arsenic (As), dissolved	µg/l	12	< 0.5	1.54167	3.9	1.10	2.30
BOD (5)	mg/l	23	0.9	2.3913	4.3	2.50	3.40
COD (Cr)	mg/l	24	8	12.16667	19	12.00	15.00
COD (Mn)	mg/l	24	2.2	3.7	5.8	3.80	4.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	39.6	54.3	63.3	52.80	62.20
Chloride (Cl-)	mg/l	24	15.2	23.47083	50.5	22.20	30.00
Chromium (Cr), total	µg/l	12	< 0.1	0.21667	0.5	0.10	0.30
Conductivity	µS/cm	24	375	461.04167	690	445.00	540.00
Copper (Cu), dissolved	µg/l	12	1.7	2.9	5.8	2.50	4.40
Dissolved oxygen	mg/l	24	7.9	9.89167	12.4	9.60	8.10
Lead (Pb), dissolved	µg/l	12	< 0.25	0.52083	3.5	0.25	0.25
Magnesium (Mg++)	mg/l	12	13.1	17.125	24.2	17.10	19.30
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	0.6	0.99167	2.4	0.80	1.30
Nitrate (NO3-N)	mg/l	24	0.9	2.05292	3.16	1.92	2.98
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01296	0.031	0.012	0.021
Organic nitrogen	mg/l	24	< 0.125	0.55521	1.26	0.52	0.90
Orthophosphate (PO4-P)	mg/l	24	< 0.025	0.0342	0.0913	0.025	0.0685
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	12.0875	56	3.70	41.00
Silicates (SiO2)	mg/l	24	2.48	3.7355	5.251	3.48	4.90
Suspended solids	mg/l	23	8	30.08696	79	24.00	59.00
TOC	mg/l	13	3.1	4.59231	6.3	4.50	5.40
Temperature	°C	24	2.9	11.89167	27	12.00	20.80
Total nitrogen	mg/l	24	1.65	2.69167	3.9	2.52	3.75
Total phosphorus	mg/l	24	0.06	0.10625	0.27	0.09	0.15
Zinc (Zn), dissolved	µg/l	12	< 2.5	< 2.5	< 2.5	2.50	2.50
pH	-	1	8.35	8.35	8.35		

River: Danube **Catchment:** 211503.00 km2 **2013**
Distance from mouth: 1435 **Altitude:** 79 m **HU5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.7	3.3125	3.9	3.25	3.80
Ammonium (NH4-N)	mg/l	24	< 0.005	0.06	0.13	0.06	0.12
Anionic active surfactants	mg/l	11	< 0.02	0.02545	0.05	0.02	0.05
Arsenic (As), dissolved	µg/l	14	< 0.5	1.19286	2.5	1.30	2.00
Atrazine	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	22	1	2.35455	3.5	2.50	3.30
COD (Cr)	mg/l	24	8	11.5	16	11.00	14.00
COD (Mn)	mg/l	24	2.3	3.5	5.6	3.40	4.60
Cadmium (Cd), dissolved	µg/l	14	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	14	44.8	54.24286	63.3	56.40	59.40
Chloride (Cl-)	mg/l	24	15.1	20.64583	30	19.20	28.60
Chromium (Cr), total	µg/l	14	< 0.1	0.25	0.5	0.30	0.40
Conductivity	µS/cm	24	375	446.04167	530	445.00	520.00
Copper (Cu), dissolved	µg/l	14	1.7	2.7	6.1	2.30	4.20
Dissolved oxygen	mg/l	24	7.6	9.97083	12.1	10.00	8.00
Flow	m3/s	365	1340	2862.6849	8310	2560.00	4330.00
Lead (Pb), dissolved	µg/l	14	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	14	9	15.77857	23.3	15.30	19.40
Mercury (Hg), dissolved	µg/l	14	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	14	0.6	0.82857	1.1	0.80	1.10
Nitrate (NO3-N)	mg/l	24	0.75	1.97917	3.16	1.72	3.05
Nitrite (NO2-N)	mg/l	24	< 0.005	0.011	0.029	0.005	0.019
Organic nitrogen	mg/l	24	< 0.125	0.51917	1.14	0.50	0.90
Orthophosphate (PO4-P)	mg/l	24	< 0.025	0.04715	0.1108	0.025	0.0815
Petroleum hydrocarbons	mg/l	12	< 0.02	0.0225	0.05	0.02	0.02
Phenol index	mg/l	12	< 0.001	0.00117	0.003	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	15.50833	97	4.90	57.00
Potassium (K+)	mg/l	12	2.2	2.75833	3.5	2.60	3.40
Silicates (SiO2)	mg/l	24	2.6	3.89554	5.47	3.75	4.887
Sodium (Na+)	mg/l	12	9.6	13.24167	18.3	13.00	16.80
Sulphate (SO4--)	mg/l	11	< 3	41.06364	65.5	38.40	60.50
Suspended solids	mg/l	23	5	34.17391	84	22.00	66.00
TOC	mg/l	13	3.3	4.53077	6.5	4.50	5.30
Temperature	°C	24	2.7	12.33333	26.5	12.00	21.30

Total nitrogen	mg/l	24	1.38	2.57958	3.77	2.36	3.72
Total phosphorus	mg/l	24	0.05	0.11708	0.23	0.10	0.20
Zinc (Zn), dissolved	µg/l	14	< 2.5	3.92857	8.5	2.50	7.00

25.06.2015

Page 88 of

River: Danube **Catchment:** 211503.00 km2 **2013**
Distance from mouth: 1435 **Altitude:** 79 m **HU5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	2	8.31	8.33	8.35		

25.06.2015

Page 89 of

River: Sio **Catchment:** 14693.00 km2 **2013**
Distance from mouth: 13 **Altitude:** 85 m **HU6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	17.6	39.99167	55.2	38.70	54.80
Alkalinity - total	mmol/l	13	4.76	7.32769	8.56	7.54	7.84
Ammonium (NH4-N)	mg/l	13	0.03108	0.27374	0.70707	0.1632	0.4895
Anionic active surfactants	mg/l	13	< 0.005	0.02615	0.04	0.03	0.04
Arsenic (As)	µg/l	13	2	5.23077	10	6.00	8.00
Arsenic (As), dissolved	µg/l	13	< 0.5	4.15385	8	4.00	8.00
Atrazine	µg/l	1	< 0.0075	< 0.0075	< 0.0075		
BOD (5)	mg/l	13	3.4	5.15385	10	4.50	7.00

COD (Cr)	mg/l	13	21	28.76923	43	28.00	36.00
COD (Mn)	mg/l	13	5.9	8.75385	11	8.70	11.00
Cadmium (Cd)	µg/l	13	< 0.1	< 0.1	< 0.1	0.10	0.10
Cadmium (Cd), dissolved	µg/l	13	< 0.1	< 0.1	< 0.1	0.10	0.10
Calcium (Ca++)	mg/l	13	69	91.76923	113	90.00	110.00
Chloride (Cl-)	mg/l	13	27	49.23077	62	49.00	62.00
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	13	610	910.76923	1050	920.00	1010.00
Copper (Cu)	µg/l	12	2	4.5	7	4.00	6.00
Copper (Cu), dissolved	µg/l	13	< 0.5	2.88462	6	3.00	5.00
Dissolved oxygen	mg/l	13	4.5	8.94077	15	8.30	6.00
Flow	m3/s	365	1.5	10.74548	50.2	7.05	23.20
Lead (Pb)	µg/l	13	< 0.5	1.07692	5	0.50	2.00
Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	1	< 0.00000	< 0.00000	< 0.00000		
Magnesium (Mg++)	mg/l	13	38	59	69	61.00	67.00
Mercury (Hg)	µg/l	13	< 0.01	0.04231	0.09	0.04	0.08
Mercury (Hg), dissolved	µg/l	13	< 0.01	0.01385	0.04	0.01	0.03
Nickel (Ni)	µg/l	13	< 0.5	2.53846	6	2.00	5.00
Nickel (Ni), dissolved	µg/l	13	< 0.5	1.53846	2	2.00	2.00
Nitrate (NO3-N)	mg/l	13	1.4	4.35385	13.1	3.90	6.56
Nitrite (NO2-N)	mg/l	13	0.053	0.10169	0.244	0.079	0.187
Organic nitrogen	mg/l	13	0.41322	1.21687	1.79607	1.3199	1.6558
Orthophosphate (PO4-P)	mg/l	13	0.1409	0.26572	0.4207	0.2668	0.3747
Petroleum hydrocarbons	mg/l	4	0.0203	0.02708	0.0395	0.0395	0.0395
Phenol index	mg/l	13	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	8.14	63.29538	163	35.50	146.00
Potassium (K+)	mg/l	13	6	9.30769	14	8.80	11.00
Sodium (Na+)	mg/l	13	27	46.38462	67	46.00	59.00
Sulphate (SO4--)	mg/l	13	67	111.69231	171	113.00	139.00

25.06.2015

Page 90 of

River: Sio **Catchment:** 14693.00 km2 **2013**
Distance from mouth: 13 **Altitude:** 85 m **HU6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	10	64.41667	205	28.00	188.00
TOC	mg/l	12	8.5	12.63333	18	13.00	15.00
Temperature	°C	13	2.5	14.49231	27.5	15.50	23.50
Total nitrogen	mg/l	13	3.1	5.94615	15	5.10	8.10
Total phosphorus	mg/l	13	0.282	0.52738	0.724	0.511	0.69
Zinc (Zn)	µg/l	12	< 10	25.5	52	21.00	48.00
Zinc (Zn), dissolved	µg/l	13	< 10	12.30769	26	10.00	24.00
p,p'-DDT	µg/l	1	< 0.01	< 0.01	< 0.01		

River: Drava **Catchment:** 35764.00 km2 **2013**
Distance from mouth: 78 **Altitude:** 92 m **HU7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.2	2.72708	3.15	2.70	3.00
Ammonium (NH4-N)	mg/l	24	< 0.005	0.05979	0.15	0.06	0.09
Anionic active surfactants	mg/l	4	< 0.02	0.03	0.06	0.06	0.06
Arsenic (As), dissolved	µg/l	10	< 0.5	0.63	1.2	1.20	1.20
BOD (5)	mg/l	22	1.2	2.17273	3.3	2.00	3.10
COD (Cr)	mg/l	24	5	8.79167	14	8.00	13.00
COD (Mn)	mg/l	24	1	2.62917	4.2	2.40	3.90
Cadmium (Cd), dissolved	µg/l	10	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	11	39.6	45.61818	52.2	46.60	50.90
Chloride (Cl-)	mg/l	24	< 1.5	12.61458	31.2	11.60	18.20
Chromium (Cr), total	µg/l	10	< 0.1	0.25	0.4	0.40	0.40
Conductivity	µS/cm	24	255	340	415	330.00	385.00
Copper (Cu), dissolved	µg/l	10	1.4	1.84	3.1	3.10	3.10
Dissolved oxygen	mg/l	24	7.4	9.6	11.7	9.30	8.20
Flow	m3/s	365	235	622.86849	1410	505.00	1070.00
Lead (Pb), dissolved	µg/l	10	< 0.25	0.315	0.9	0.90	0.90
Magnesium (Mg++)	mg/l	11	10.8	13.36364	15.2	13.50	15.10
Mercury (Hg), dissolved	µg/l	10	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	10	< 0.25	0.595	1	1.00	1.00
Nitrate (NO3-N)	mg/l	24	< 0.25	1.1375	2.24	0.90	1.88
Nitrite (NO2-N)	mg/l	24	< 0.005	0.00908	0.03	0.005	0.02
Organic nitrogen	mg/l	24	< 0.125	0.36333	1.04	0.32	0.69

Orthophosphate (PO4-P)	mg/l	24	< 0.025	0.03555	0.1011	0.025	0.0685
Petroleum hydrocarbons	mg/l	3	< 0.02	< 0.02	< 0.02		
Phenol index	mg/l	3	< 0.001	0.00167	0.003		
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	6.94167	39	2.80	19.00
Potassium (K+)	mg/l	6	1.7	2.23333	2.6	2.60	2.60
Silicates (SiO2)	mg/l	5	2.95	4.0242	5.048	5.048	5.048
Sodium (Na+)	mg/l	6	6.4	8.11667	10.9	10.90	10.90
Sulphate (SO4--)	mg/l	6	24	32.56667	36.4	36.40	36.40
Suspended solids	mg/l	11	< 1.5	17.68182	52	15.00	26.00
TOC	mg/l	13	1.7	3.01538	5.2	2.80	5.10
Temperature	°C	24	3.1	12.4875	26.7	13.70	21.20
Total nitrogen	mg/l	24	0.8	1.57917	3.04	1.50	2.38
Total phosphorus	mg/l	24	< 0.01	0.07	0.17	0.06	0.12
Zinc (Zn), dissolved	µg/l	10	< 2.5	2.95	7	7.00	7.00
pH	-	1	8.27	8.27	8.27		

25.06.2015

Page 92 of

River: Tisza/Sajo **Catchment:** 3224.00 km2 **2013**
Distance from mouth: 124 **Altitude:** 148 m **HU8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	15.42857	40	40.00	40.00
Alkalinity - total	mmol/l	7	1.8	2.62143	3.4	3.40	3.40
Aluminium (Al)	µg/l	7	84	1527.2857	5690	5690.00	5690.00
Aluminium (Al), dissolved	µg/l	7	< 5	20.55714	47.8	47.80	47.80
Ammonium (NH4-N)	mg/l	7	0.04	0.10571	0.2	0.20	0.20
Anionic active surfactants	mg/l	7	< 0.01	0.01986	0.05	0.05	0.05
Arsenic (As)	µg/l	7	< 0.5	1.85714	4.8	4.80	4.80
Arsenic (As), dissolved	µg/l	7	< 0.5	0.72857	1.5	1.50	1.50
Atrazine	µg/l	7	< 0.005	0.01286	0.06	0.06	0.06
BOD (5)	mg/l	7	2	5.6	13	13.00	13.00
COD (Cr)	mg/l	7	8	27	73	73.00	73.00
COD (Mn)	mg/l	7	2.6	10.7	26.2	26.20	26.20
Cadmium (Cd)	µg/l	7	< 0.05	0.08571	0.2	0.20	0.20
Cadmium (Cd), dissolved	µg/l	7	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	7	38	50.22857	65.2	65.20	65.20
Carbon tetrachloride	µg/l	6	< 0.1	< 0.1	< 0.1	0.10	0.10
Chloride (Cl-)	mg/l	7	7	10.85714	20	20.00	20.00
Chloroform	µg/l	6	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	7	< 0.5	2.08571	5.5	5.50	5.50
Chromium (Cr), total	µg/l	7	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	7	285	387.85714	532	532.00	532.00
Copper (Cu)	µg/l	7	3	8.22857	19.4	19.40	19.40
Copper (Cu), dissolved	µg/l	7	2.4	2.95714	4.5	4.50	4.50
Dissolved oxygen	mg/l	7	8.8	10.68571	13	8.80	8.80
Flow	m3/s	365	5.36	37.62811	201	22.00	99.70
Iron (Fe)	mg/l	5	170	1770	4000	4000.00	4000.00
Lead (Pb)	µg/l	7	< 0.5	5.95714	15.8	15.80	15.80

Lead (Pb), dissolved	µg/l	7	< 0.5	0.78571	1.6	1.60	1.60
Lindane (gama-HCH)	µg/l	7	< 0.002	< 0.002	< 0.002	0.002	0.002
Magnesium (Mg++)	mg/l	7	3.4	10.97143	17.4	17.40	17.40
Manganese (Mn)	mg/l	5	60	214	440	440.00	440.00
Mercury (Hg)	µg/l	7	< 0.02	0.09286	0.28	0.28	0.28
Mercury (Hg), dissolved	µg/l	7	< 0.02	< 0.02	< 0.02	0.02	0.02
Nickel (Ni)	µg/l	7	< 0.5	4.45714	9.8	9.80	9.80
Nickel (Ni), dissolved	µg/l	7	< 0.5	2.2	4.2	4.20	4.20
Nitrate (NO3-N)	mg/l	7	1.4	2.15714	3.6	3.60	3.60
Nitrite (NO2-N)	mg/l	7	0.01	0.02	0.04	0.04	0.04
Organic nitrogen	mg/l	7	0.24	1.17857	2.9	2.90	2.90

25.06.2015

Page 93 of

River: Tisza/Sajo **Catchment:** 3224.00 km2 **2013**
Distance from mouth: 124 **Altitude:** 148 m **HU8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Orthophosphate (PO4-P)	mg/l	7	0.0424	0.05217	0.0587	0.0587	0.0587
Petroleum hydrocarbons	mg/l	7	< 0.01	0.03257	0.078	0.078	0.078
Phenol index	mg/l	7	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	1.6	5.14286	12.2	12.20	12.20
Potassium (K+)	mg/l	6	1.7	2.76667	4.6	4.60	4.60
Sodium (Na+)	mg/l	6	2.1	4.28333	12.3	12.30	12.30
Suspended solids	mg/l	7	< 2.5	199.28571	669	669.00	669.00
TOC	mg/l	7	2.47	8.10429	24.1	24.10	24.10
Temperature	°C	7	< 0.00000	8.17143	16.8	16.80	16.80
Tetrachloroethylene	µg/l	6	< 0.1	< 0.1	< 0.1	0.10	0.10
Total nitrogen	mg/l	7	1.8	3.49571	5.2	5.20	5.20
Total phosphorus	mg/l	7	0.07	0.22857	0.66	0.66	0.66
Trichloroethylene	µg/l	6	< 0.1	< 0.1	< 0.1	0.10	0.10
Zinc (Zn)	µg/l	7	62	110.42857	184	184.00	184.00
Zinc (Zn), dissolved	µg/l	7	23	44	55	55.00	55.00
p,p'-DDT	µg/l	6	< 0.006	< 0.006	< 0.006	0.006	0.006

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.4	2.9	2.40	2.80
Aluminium (Al), dissolved	µg/l	12	10.2	75.43333	281	28.00	148.00
Ammonium (NH4-N)	mg/l	26	< 0.015	0.07058	0.3	0.05	0.14
Anionic active surfactants	mg/l	12	< 0.01	0.025	0.04	0.03	0.04
Arsenic (As), dissolved	µg/l	12	< 1	3.87083	13	1.00	11.50
Atrazine	µg/l	6	< 0.0025	0.00425	0.013	0.013	0.013
BOD (5)	mg/l	11	< 0.25	1.30909	2.6	1.20	2.20
COD (Cr)	mg/l	12	6	15.41667	24	14.00	23.00
COD (Mn)	mg/l	12	2.3	4.6	10	4.20	6.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	32.4	43.28333	54.7	42.60	52.40
Chloride (Cl-)	mg/l	12	13	33.33333	68	29.00	62.00
Chromium (Cr), total	µg/l	12	< 0.25	0.85417	2	1.00	2.00
Conductivity	µS/cm	14	244	372.28571	498	390.00	444.00
Copper (Cu), dissolved	µg/l	12	2	3.68333	6.7	3.40	5.10
Dissolved oxygen	mg/l	14	4.9	8.83571	12.4	8.80	6.30
Lead (Pb), dissolved	µg/l	12	< 0.5	2.58333	9	0.50	5.00
Lindane (gama-HCH)	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	6.6	9.32583	12.1	9.61	10.80
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	1.04583	3.2	0.70	3.10
Nitrate (NO3-N)	mg/l	26	0.19	1.06808	2.07	1.03	1.77

Nitrite (NO2-N)	mg/l	26	< 0.005	0.01173	0.03	0.005	0.02
Organic nitrogen	mg/l	26	< 0.05	0.37923	0.98	0.44	0.61
Orthophosphate (PO4-P)	mg/l	26	< 0.0045	0.03517	0.0699	0.04	0.06
Petroleum hydrocarbons	mg/l	12	< 0.0075	0.02729	0.05	0.03	0.04
Phenol index	mg/l	12	< 0.001	0.00258	0.006	0.001	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.5	15.30833	44	5.00	35.00
Potassium (K+)	mg/l	12	2.1	3.725	5.1	3.60	4.50
Silicates (SiO2)	mg/l	26	0.8	6.85	9.9	7.70	9.40
Sodium (Na+)	mg/l	12	12	27.33333	52	26.00	37.00
Sulphate (SO4--)	mg/l	12	22	47	63	47.00	60.00
Suspended solids	mg/l	26	< 2	43.15385	252	24.00	85.00
TOC	mg/l	12	2.2	5.125	11	4.80	7.40
Temperature	°C	14	1	12.45	26.4	14.20	24.20
Total nitrogen	mg/l	25	0.7	1.5404	2.5	1.50	2.20
Total phosphorus	mg/l	26	< 0.025	0.13596	0.38	0.12	0.27
Zinc (Zn), dissolved	µg/l	12	3.2	9.33333	22.5	6.40	18.60

25.06.2015

Page 95 of

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	14	7.74	8.02143	8.22	8.08	7.76

25.06.2015

Page 96 of

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.50833	2.9	2.60	2.80
Aluminium (Al), dissolved	µg/l	12	7.4	47.425	194	18.50	138.00
Ammonium (NH4-N)	mg/l	24	< 0.015	0.05771	0.28	0.05	0.12
Anionic active surfactants	mg/l	12	< 0.01	0.02417	0.04	0.03	0.03
Arsenic (As), dissolved	µg/l	12	< 1	3.335	9.17	1.00	8.96
Atrazine	µg/l	6	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
BOD (5)	mg/l	12	< 0.25	1.42083	2.5	1.40	2.30
COD (Cr)	mg/l	12	8	15.16667	26	13.00	21.00
COD (Mn)	mg/l	12	2.4	4.225	8.2	3.50	6.10
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	31.9	43.49167	51	43.50	50.90
Chloride (Cl-)	mg/l	12	10	30.66667	54	28.00	50.00
Chromium (Cr), total	µg/l	12	< 0.25	0.625	1	0.25	1.00
Conductivity	µS/cm	13	264	370.76923	492	384.00	446.00
Copper (Cu), dissolved	µg/l	12	2	3.90833	7.3	3.70	5.00
Dissolved oxygen	mg/l	13	4.7	8.6	12.5	8.40	6.30
Flow	m3/s	365	129	736.7726	2490	435.00	1960.00
Lead (Pb), dissolved	µg/l	12	< 0.5	2.58333	10	0.50	6.00
Lindane (gama-HCH)	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	5.79	9.25417	11.4	9.00	11.20
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	1.3875	5.4	0.90	3.70
Nitrate (NO3-N)	mg/l	24	0.23	1.005	2.09	0.94	1.61
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01167	0.03	0.005	0.02
Organic nitrogen	mg/l	24	< 0.05	0.39333	0.7	0.41	0.64
Orthophosphate (PO4-P)	mg/l	24	< 0.0045	0.03685	0.0699	0.04	0.06
Petroleum hydrocarbons	mg/l	12	< 0.0075	0.02542	0.05	0.02	0.04
Phenol index	mg/l	12	< 0.001	0.0025	0.005	0.001	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	13.66667	44	3.00	34.00
Potassium (K+)	mg/l	12	2.2	3.71667	4.9	3.70	4.60
Silicates (SiO2)	mg/l	24	0.9	7.0375	11.1	7.70	9.30
Sodium (Na+)	mg/l	12	11	26.5	49	25.00	34.00
Sulphate (SO4--)	mg/l	12	20	46.16667	60	45.00	57.00
Suspended solids	mg/l	24	< 2	35.20833	218	14.00	77.00
TOC	mg/l	12	2.1	4.7	9.3	4.80	6.20
Temperature	°C	13	0.9	13.36154	26.1	14.30	24.20
Total nitrogen	mg/l	24	0.58	1.47	2.5	1.40	2.30
Total phosphorus	mg/l	24	< 0.025	0.12958	0.32	0.11	0.21

25.06.2015

Page 97 of

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Zinc (Zn), dissolved	µg/l	12	1.4	8.01667	28.1	4.90	11.80
p,p'-DDT	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	13	7.61	7.97615	8.32	7.94	7.65

25.06.2015

Page 98 of

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.525	2.9	2.60	2.90
Aluminium (Al), dissolved	µg/l	12	6.3	38.43333	165	16.60	132.00
Ammonium (NH4-N)	mg/l	26	< 0.015	0.07231	0.32	0.05	0.14
Anionic active surfactants	mg/l	12	< 0.01	0.02833	0.04	0.03	0.04
Arsenic (As), dissolved	µg/l	12	< 1	3.11333	8.21	1.00	7.84
Atrazine	µg/l	6	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
BOD (5)	mg/l	12	< 0.25	1.3875	2.5	1.20	2.00
COD (Cr)	mg/l	12	< 2	12.83333	25	12.00	18.00
COD (Mn)	mg/l	12	2.4	4.175	9	3.10	6.10
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	32.1	43.26667	51.9	43.40	51.20
Chloride (Cl-)	mg/l	12	11	29.5	54	26.00	51.00
Chromium (Cr), total	µg/l	12	< 0.25	0.70833	2	0.25	1.00
Conductivity	µS/cm	14	236	369.71429	496	388.00	454.00
Copper (Cu), dissolved	µg/l	12	2.1	4.56667	13.6	3.40	6.70
Dissolved oxygen	mg/l	14	4.5	8.76429	12.5	8.50	6.30
Lead (Pb), dissolved	µg/l	12	< 0.5	2.79167	10	2.00	6.00
Lindane (gama-HCH)	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	5.89	9.305	11.3	9.49	11.00

Mercury (Hg), dissolved	µg/l	12	< 0.05	0.0625	0.2	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	1.04583	3.6	0.70	2.40
Nitrate (NO3-N)	mg/l	26	0.2	1.06615	2.25	1.00	1.70
Nitrite (NO2-N)	mg/l	26	< 0.005	0.01346	0.03	0.02	0.02
Organic nitrogen	mg/l	26	< 0.05	0.40269	0.81	0.43	0.63
Orthophosphate (PO4-P)	mg/l	26	< 0.0045	0.04055	0.0699	0.04	0.0699
Petroleum hydrocarbons	mg/l	12	< 0.0075	0.02813	0.05	0.03	0.05
Phenol index	mg/l	12	< 0.001	0.00258	0.006	0.001	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	11.84167	35	2.40	34.00
Potassium (K+)	mg/l	12	2.3	3.76667	5.1	3.70	4.60
Silicates (SiO2)	mg/l	26	0.8	6.89231	10	7.70	9.50
Sodium (Na+)	mg/l	12	11	26.5	50	25.00	37.00
Sulphate (SO4--)	mg/l	12	20	46.08333	64	46.00	58.00
Suspended solids	mg/l	26	5	41.11538	225	18.00	111.00
TOC	mg/l	12	1.9	4.8	9.9	4.00	8.40
Temperature	°C	14	0.5	12.43571	25.8	14.40	24.30
Total nitrogen	mg/l	26	0.74	1.55385	2.6	1.50	2.20
Total phosphorus	mg/l	26	< 0.025	0.13404	0.34	0.12	0.24
Zinc (Zn), dissolved	µg/l	12	3.2	12.75833	62.5	5.80	26.10

25.06.2015

Page 99 of

River: Tisza **Catchment:** 138498.00 km2 **2013**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	6	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	14	7.6	7.96571	8.28	7.95	7.66

River: Prut **Catchment:** 8750.00 km2 **2013**
Distance from mouth: 658 **Altitude:** 100 m **MD1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	111	167.58333	220	171.00	199.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.1675	0.53	0.10	0.46
Anionic active surfactants	mg/l	12	< 0.005	0.00833	0.02	0.005	0.01
BOD (5)	mg/l	12	2	2.5825	3.66	2.33	3.30
COD (Cr)	mg/l	12	10.01	13.05917	16.8	12.90	16.10
COD (Mn)	mg/l	5	1.9	2.834	3.25	3.25	3.25
Cadmium (Cd)	µg/l	12	< 0.25	0.286	0.682	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	12	40.1	63.78333	80.2	68.10	76.20
Chloride (Cl-)	mg/l	12	16	32.79167	56.7	24.80	56.70
Conductivity	µS/cm	12	439	1031.25	5580	659.00	783.00
Copper (Cu)	µg/l	12	< 1.5	10.21958	30.315	7.681	20.394
Copper (Cu), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Dissolved oxygen	mg/l	12	8.14	10.58417	13.52	10.91	8.30
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	3	8	9.33333	10		
Macrozoobenthos sapr. index	-	3	1.8	1.87	1.99		
Magnesium (Mg++)	mg/l	12	7.3	11.8725	19.5	12.20	14.60
Mercury (Hg)	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni)	µg/l	12	< 1.5	5.58217	27.883	3.896	7.696
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.25	5.625	58	0.75	1.29
Nitrite (NO2-N)	mg/l	12	0.005	0.01608	0.047	0.012	0.04
Orthophosphate (PO4-P)	mg/l	12	0.008	0.02467	0.057	0.025	0.033
Petroleum hydrocarbons	mg/l	12	0.03	0.135	0.35	0.10	0.31
Phenol index	mg/l	12	< 0.0005	0.00167	0.007	0.0005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.97	3.50667	6.58		
Potassium (K+)	mg/l	12	3	4.5	6	4.20	6.00
Silicates(SiO2), dissolved	mg/l	12	0.8	2.11667	3.4	2.10	3.20
Sodium (Na+)	mg/l	12	15.4	28.6325	49.6	25.60	38.79
Sulphate (SO4--)	mg/l	12	43.5	84.04167	117	77.30	113.00
Suspended solids	mg/l	12	6	151.25	837	75.00	239.00
Temperature	°C	12	0.3	11.15	23.7	10.10	21.30
Total phosphorus, dissolved	mg/l	12	0.018	0.0435	0.064	0.04	0.062
Zinc (Zn)	µg/l	11	< 1.5	22.48318	52.525	15.423	43.274

River: Prut **Catchment:** 8750.00 km2 **2013**
Distance from mouth: 658 **Altitude:** 100 m **MD1**

Location:

Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	11	< 1.5	3.04191	9.981	1.50	9.98
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	8.01	8.35833	8.65	8.34	8.18

25.06.2015

Page 102 of

River:

Prut

Catchment:

27480.00 km2

2013

Distance from mouth:

0

Altitude:

5 m

MD3

Location:

Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	179	207.33333	247	199.00	237.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.09083	0.2	0.03	0.20
Anionic active surfactants	mg/l	12	< 0.005	0.01042	0.02	0.01	0.02
BOD (5)	mg/l	12	1.67	2.25917	2.67	2.32	2.65
COD (Cr)	mg/l	12	10.1	14.83333	19.8	13.90	18.90
COD (Mn)	mg/l	12	2.53	3.84333	7.51	3.32	4.64
Cadmium (Cd)	µg/l	12	< 0.25	3.227	10.12	2.799	9.082
Cadmium (Cd), dissolved	µg/l	12	< 0.25	0.78317	2.528	0.504	1.583
Calcium (Ca++)	mg/l	12	52.1	60.43333	68.1	60.10	64.10
Chloride (Cl-)	mg/l	12	24.8	32.20833	49.6	28.40	39.00
Conductivity	µS/cm	12	495	670.83333	842	657.00	841.00
Copper (Cu)	µg/l	12	3.486	8.10358	25.33	5.733	12.237
Copper (Cu), dissolved	µg/l	12	< 1.5	1.90067	6.308	1.50	1.50
Dissolved oxygen	mg/l	12	7	9.51083	12.21	8.95	7.49
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50

Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	4	2	5.25	12	12.00	12.00
Macrozoobenthos sapr. index	-	4	1.52	1.84	2.2	2.20	2.20
Magnesium (Mg++)	mg/l	12	9.73	19.46917	29.2	17.00	26.80
Mercury (Hg)	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni)	µg/l	12	< 1.5	5.45658	12.51	4.593	9.629
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.68	1.25917	2.08	1.18	2.04
Nitrite (NO2-N)	mg/l	12	0.007	0.01792	0.036	0.013	0.031
Orthophosphate (PO4-P)	mg/l	12	0.022	0.0435	0.064	0.042	0.063
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.10333	0.32	0.06	0.21
Phenol index	mg/l	12	< 0.0005	0.00108	0.003	0.0005	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.97	3.29	3.95		
Potassium (K+)	mg/l	12	3.4	6.20833	8	6.40	7.20
Silicates(SiO2), dissolved	mg/l	12	1.8	2.66667	3.7	2.50	3.60
Sodium (Na+)	mg/l	12	28.8	54.15	86.4	49.60	82.40
Sulphate (SO4--)	mg/l	12	73.1	130.325	189	114.00	187.00
Suspended solids	mg/l	12	13	76.33333	203	65.00	188.00
Temperature	°C	12	0.7	13.96667	26	13.10	26.00
Total phosphorus, dissolved	mg/l	12	0.044	0.08742	0.168	0.074	0.144
Zinc (Zn)	µg/l	12	5.601	24.86183	79.491	13.56	50.023

25.06.2015

Page 103 of

River: Prut **Catchment:** 27480.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 5 m **MD3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 1.5	4.30733	24.386	1.50	8.494
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	8.11	8.245	8.37	8.26	8.15

River: Prut **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 91 m **MD5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	117	155.25	185	156.00	174.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.06333	0.23	0.01	0.23
Anionic active surfactants	mg/l	12	< 0.005	0.01083	0.04	0.005	0.02
BOD (5)	mg/l	12	2	2.25	2.51	2.32	2.48
COD (Cr)	mg/l	12	10.1	15.18333	30.4	12.90	18.90
COD (Mn)	mg/l	6	1.95	2.19	2.69	2.69	2.69
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	12	46.1	52.76667	56.1	52.10	56.10
Chloride (Cl-)	mg/l	12	17.7	23.94167	31.9	21.30	28.40
Conductivity	µS/cm	12	440	488.83333	577	476.00	541.00
Copper (Cu)	µg/l	12	< 1.5	6.45217	10.862	5.737	10.209
Copper (Cu), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Dissolved oxygen	mg/l	12	7.49	10.80167	13.02	10.26	8.95
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	2	4	5.5	7		
Macrozoobenthos sapr. index	-	2	1.85	1.885	1.92		
Magnesium (Mg++)	mg/l	12	7.3	12.46833	17	12.20	17.00
Mercury (Hg)	µg/l	12	< 0.15	0.16717	0.356	0.15	0.15
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15

Nickel (Ni)	µg/l	12	< 1.5	2.54383	6.285	1.50	5.646
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.25	0.59333	1.04	0.50	1.02
Nitrite (NO2-N)	mg/l	12	0.005	0.01467	0.025	0.011	0.023
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.01154	0.026	0.01	0.021
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.11083	0.57	0.05	0.24
Phenol index	mg/l	12	< 0.0005	0.00054	0.001	0.0005	0.0005
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	0.4	2.10667	3.95		
Potassium (K+)	mg/l	12	3	4.2	5	4.20	5.00
Silicates(SiO2), dissolved	mg/l	12	1.7	2.425	3	2.30	2.80
Sodium (Na+)	mg/l	12	20.6	26.325	34	24.30	32.40
Sulphate (SO4--)	mg/l	12	60.5	75.68333	89.3	71.40	87.40
Suspended solids	mg/l	12	< 0.5	28.16667	117	15.00	43.00
Temperature	°C	12	0.1	12.56667	24.8	12.20	22.80
Total phosphorus, dissolved	mg/l	12	0.016	0.03733	0.083	0.026	0.062
Zinc (Zn)	µg/l	12	< 1.5	18.31567	60.716	8.956	53.739

25.06.2015

Page 105 of

River: Prut **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 91 m **MD5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 1.5	3.96842	17.982	1.50	8.622
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	8.06	8.44833	8.68	8.48	8.21

25.06.2015

Page 106 of

River: Prut **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 63 m **MD6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	108	157.58333	202	160.00	183.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.09083	0.23	0.05	0.22
Anionic active surfactants	mg/l	12	< 0.005	0.0125	0.04	0.005	0.03
BOD (5)	mg/l	12	1.7	2.09417	3.01	2.01	2.64
COD (Cr)	mg/l	12	9.92	14.66	19.8	14.20	19.20
Cadmium (Cd)	µg/l	12	< 0.25	0.327	1.174	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	12	44.1	56.93333	74.1	54.10	64.10
Chloride (Cl-)	mg/l	12	17.7	27.03333	40.8	23.00	39.00
Conductivity	µS/cm	12	466	527.16667	607	496.00	606.00
Copper (Cu)	µg/l	12	< 1.5	7.25592	13.704	6.436	12.29
Copper (Cu), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Dissolved oxygen	mg/l	12	7.92	10.72833	13.68	10.09	8.14
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	3	6	11.33333	20		
Macrozoobenthos sapr. index	-	3	1.87	2.00333	2.09		
Magnesium (Mg++)	mg/l	12	7.3	11.26083	15.8	12.20	12.20
Mercury (Hg)	µg/l	12	< 0.15	0.81667	7.3	0.15	1.00
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni)	µg/l	12	< 1.5	3.03667	5.469	1.50	5.063
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.53	0.82333	1.4	0.70	1.19
Nitrite (NO2-N)	mg/l	12	0.007	0.013	0.027	0.011	0.018
Orthophosphate (PO4-P)	mg/l	12	< 0.0025	0.01263	0.034	0.01	0.018
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.0925	0.27	0.08	0.17
Phenol index	mg/l	12	< 0.0005	0.00121	0.007	0.0005	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.78	2.56667	3.95		
Potassium (K+)	mg/l	12	3	4.45	6	4.20	5.00
Silicates(SiO2), dissolved	mg/l	12	2.1	2.48333	3.1	2.50	2.70
Sodium (Na+)	mg/l	12	17.6	28.15	41.2	26.80	40.60
Sulphate (SO4--)	mg/l	12	68.6	80.76667	102	79.10	89.30
Suspended solids	mg/l	12	< 0.5	48.29167	173	22.00	140.00
Temperature	°C	12	0.5	11.44167	22.7	11.90	21.40
Total phosphorus, dissolved	mg/l	12	0.009	0.0255	0.058	0.018	0.045
Zinc (Zn)	µg/l	12	5.024	20.98333	111.099	8.15	45.837
Zinc (Zn), dissolved	µg/l	12	< 1.5	2.53942	8.284	1.50	4.96

25.06.2015

Page 107 of

River: Prut **Catchment:** 62890.00 km2 **2013**
Distance from mouth: 254 **Altitude:** 63 m **MD6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.96	8.4175	8.58	8.44	8.29

25.06.2015

Page 108 of

River: Prut **Catchment:** 30953.00 km2 **2013**
Distance from mouth: 525 **Altitude:** 55 m **MD7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	171	208.5	251	201.00	245.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.19083	0.36	0.17	0.33
Anionic active surfactants	mg/l	12	< 0.005	0.00667	0.01	0.005	0.01
BOD (5)	mg/l	12	2.15	2.91167	3.96	2.65	3.61
COD (Cr)	mg/l	12	6	16.01667	20.8	17.20	20.80
COD (Mn)	mg/l	12	2.37	3.50083	5.32	3.36	4.16
Cadmium (Cd)	µg/l	12	< 0.25	0.47517	2.024	0.25	0.875
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	12	52.1	61.275	76.2	56.10	72.10
Chloride (Cl-)	mg/l	12	24.8	31.01667	49.6	28.40	42.50
Conductivity	µS/cm	12	7	615	908	631.00	847.00
Copper (Cu)	µg/l	12	< 1.5	9.06483	27.706	5.448	17.326
Copper (Cu), dissolved	µg/l	12	< 1.5	1.81542	3.612	1.50	3.173
Dissolved oxygen	mg/l	12	7.33	9.8775	12.37	9.44	7.49
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	3	3	8	11		
Macrozoobenthos sapr. index	-	3	1.72	1.87	2		

Magnesium (Mg++)	mg/l	12	9.73	19.56083	34	18.20	28.00
Mercury (Hg)	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Mercury (Hg), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Nickel (Ni)	µg/l	12	< 1.5	5.75258	16.663	3.813	14.312
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.9	1.465	2.25	1.35	2.04
Nitrite (NO2-N)	mg/l	12	0.005	0.02458	0.086	0.014	0.048
Orthophosphate (PO4-P)	mg/l	12	0.016	0.07242	0.136	0.072	0.11
Petroleum hydrocarbons	mg/l	12	0.06	0.21417	0.9	0.10	0.44
Phenol index	mg/l	12	< 0.0005	0.00083	0.003	0.0005	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.97	3.29	3.95		
Potassium (K+)	mg/l	12	4.2	6.31667	8.8	6.40	8.00
Silicates(SiO2), dissolved	mg/l	12	0.5	2.35833	3.8	2.40	3.30
Sodium (Na+)	mg/l	12	34	53.3	95.2	47.60	73.40
Sulphate (SO4--)	mg/l	12	89.2	133.76667	219	122.00	197.00
Suspended solids	mg/l	12	7	89.08333	247	60.00	217.00
Temperature	°C	12	0.6	11.4	25	10.60	20.60
Total phosphorus, dissolved	mg/l	12	0.041	0.23542	1	0.124	0.41
Zinc (Zn)	µg/l	12	< 1.5	25.46125	66.083	14.983	58.831

25.06.2015

Page 109 of

River: Prut **Catchment:** 30953.00 km2 **2013**
Distance from mouth: 525 **Altitude:** 55 m **MD7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 1.5	1.90233	4.395	1.50	3.433
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	8.19	8.32917	8.48	8.33	8.23

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.62	3.045	3.4	3.06	3.36
Ammonium (NH ₄ -N)	mg/l	26	< 0.0125	0.07371	0.144	0.07	0.12
Anionic active surfactants	mg/l	12	< 0.05	0.12425	0.251	0.116	0.129
Arsenic (As), dissolved	µg/l	12	< 0.5	0.61167	1.23	0.50	1.11
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	1.32	1.64423	3.16	1.60	1.95
COD (Cr)	mg/l	12	8.25	10.3625	13.26	10.24	12.35
COD (Mn)	mg/l	12	1.8	2.18	3.2	1.92	2.92
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	33.33	43.06917	50.78	42.85	47.61
Chloride (Cl ⁻)	mg/l	12	12.507	15.35342	20.768	14.245	18.761
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	354	409.83333	452	409.00	444.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.62325	4.96	2.831	4.09
Dissolved oxygen	mg/l	12	6.86	9.495	11.91	8.89	7.45
Flow	m ³ /s	365	2180	6061.4794	12000	5900.00	10600.00
Iron (Fe)	mg/l	3	< 0.015	0.03133	0.064		
Lead (Pb), dissolved	µg/l	12	< 0.15	0.44258	1.726	0.15	1.128
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.18	2.23	2.28		
Magnesium (Mg ⁺⁺)	mg/l	12	9.7	13.01417	18.43	12.61	17.46
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.02039	0.048	0.048	0.048

Nickel (Ni), dissolved	µg/l	12	< 0.5	1.03308	3.157	0.50	2.541
Nitrate (NO3-N)	mg/l	26	0.556	1.14685	1.902	1.093	1.524
Nitrite (NO2-N)	mg/l	26	0.005	0.01542	0.025	0.017	0.022
Orthophosphate (PO4-P)	mg/l	26	0.022	0.04227	0.081	0.043	0.052
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	7.93	9.055	10.18		
Potassium (K+)	mg/l	12	2	2.25	3	2.00	3.00
Sodium (Na+)	mg/l	12	13	18.5	23	19.00	22.00
Sulphate (SO4--)	mg/l	12	23.92	34.184	42.248	33.98	40.92
Suspended solids	mg/l	26	30	34.84615	38	35.00	37.00
TOC	mg/l	13	2.211	3.85731	6.694	3.195	5.967
Temperature	°C	26	1.5	13.89231	27	15.00	25.00
Total nitrogen	mg/l	26	0.904	1.6735	2.79	1.64	2.186
Total phosphorus	mg/l	26	0.046	0.10088	0.285	0.068	0.248
Total phosphorus, dissolved	mg/l	25	0.03	0.072	0.202	0.056	0.152

25.06.2015

Page 111 of

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.69	7.93667	8.15	7.92	7.69

25.06.2015

Page 112 of

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.6	2.939	3.22	3.22	3.22
Ammonium (NH4-N)	mg/l	19	0.028	0.06421	0.122	0.051	0.111
Anionic active surfactants	mg/l	10	< 0.05	0.1056	0.2	0.20	0.20
Arsenic (As), dissolved	µg/l	9	< 0.5	0.87422	1.32	1.32	1.32
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	19	< 0.25	1.36632	2.6	1.40	1.60
COD (Cr)	mg/l	10	7.95	9.723	12.05	12.05	12.05
COD (Mn)	mg/l	10	1.28	1.894	3	3.00	3.00
Cadmium (Cd), dissolved	µg/l	9	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	10	33.65	41.377	49.2	49.20	49.20
Chloride (Cl-)	mg/l	10	12.16	15.1446	20.41	20.41	20.41
Chromium (Cr), total	µg/l	9	< 0.5	0.56222	1.06	1.06	1.06
Conductivity	µS/cm	10	351	398.2	431	431.00	431.00
Copper (Cu), dissolved	µg/l	9	1.426	2.38156	3.102	3.102	3.102
Dissolved oxygen	mg/l	10	6.52	9.165	11.56	6.52	6.52
Flow	m3/s	365	2180	6061.4794	12000	5900.00	10600.00
Iron (Fe)	mg/l	2	0.092	0.096	0.1		
Lead (Pb), dissolved	µg/l	9	< 0.15	0.69522	1.245	1.245	1.245
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	10	8.73	12.319	17.46	17.46	17.46
Mercury (Hg), dissolved	µg/l	7	< 0.0075	0.02386	0.048	0.048	0.048
Nickel (Ni), dissolved	µg/l	9	< 0.5	1.12333	2.91	2.91	2.91
Nitrate (NO3-N)	mg/l	19	0.47	1.11516	1.853	1.031	1.633
Nitrite (NO2-N)	mg/l	19	0.009	0.01581	0.025	0.0153	0.024
Orthophosphate (PO4-P)	mg/l	19	0.018	0.03763	0.049	0.041	0.048
Petroleum hydrocarbons	mg/l	10	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	10	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	6.27	7.81	9.35		
Potassium (K+)	mg/l	10	2	2.2	3	3.00	3.00
Sodium (Na+)	mg/l	10	12	18.6	23	23.00	23.00
Sulphate (SO4--)	mg/l	10	22.266	32.6676	42.19	42.19	42.19
Suspended solids	mg/l	18	29	32.94444	35	34.00	35.00
TOC	mg/l	10	1.611	3.4991	6.017	6.017	6.017
Temperature	°C	19	2	14.30526	28	15.00	25.50
Total nitrogen	mg/l	19	0.793	1.63321	2.706	1.558	2.383
Total phosphorus	mg/l	19	0.04	0.08911	0.277	0.056	0.232
Total phosphorus, dissolved	mg/l	18	0.03	0.06572	0.172	0.051	0.163
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 113 of

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

pH - 10 7.57 7.888 8.16 7.57 7.57

25.06.2015

Page 114 of

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.57	2.903	3.3	3.30	3.30
Ammonium (NH4-N)	mg/l	19	0.037	0.07463	0.125	0.072	0.118
Anionic active surfactants	mg/l	10	< 0.05	0.1182	0.235	0.235	0.235
Arsenic (As), dissolved	µg/l	9	< 0.5	0.83844	1.18	1.18	1.18
Atrazine	µg/l	9	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	19	< 0.25	1.39579	2.78	1.34	1.80
COD (Cr)	mg/l	10	8.32	9.968	11.75	11.75	11.75
COD (Mn)	mg/l	10	1.58	2.084	2.87	2.87	2.87
Cadmium (Cd), dissolved	µg/l	9	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	10	36.5	41.655	52.37	52.37	52.37
Chloride (Cl-)	mg/l	10	12.507	15.5989	20.052	20.052	20.052
Chromium (Cr), total	µg/l	9	< 0.5	0.56344	1.071	1.071	1.071
Conductivity	µS/cm	10	350	396.2	435	435.00	435.00
Copper (Cu), dissolved	µg/l	9	1.45	2.76	4.575	4.575	4.575
Dissolved oxygen	mg/l	10	6.67	9.245	11.85	6.67	6.67
Flow	m3/s	365	2180	6061.4794	12000	5900.00	10600.00
Iron (Fe)	mg/l	2	0.07	0.0835	0.097		
Lead (Pb), dissolved	µg/l	9	< 0.15	0.78544	1.497	1.497	1.497
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	10	7.76	13.095	18.43	18.43	18.43
Mercury (Hg), dissolved	µg/l	7	< 0.0075	0.02729	0.051	0.051	0.051

Nickel (Ni), dissolved	µg/l	9	< 0.5	0.97656	3.208	3.208	3.208
Nitrate (NO3-N)	mg/l	19	0.528	1.102	1.83	1.05	1.508
Nitrite (NO2-N)	mg/l	19	0.005	0.0151	0.025	0.014	0.024
Orthophosphate (PO4-P)	mg/l	19	0.02	0.04089	0.058	0.044	0.054
Petroleum hydrocarbons	mg/l	10	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	10	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	6.51	7.75	8.99		
Potassium (K+)	mg/l	10	2	2.3	3	3.00	3.00
Sodium (Na+)	mg/l	10	13	19.6	24	24.00	24.00
Sulphate (SO4--)	mg/l	10	20.363	32.1853	43.22	43.22	43.22
Suspended solids	mg/l	18	30	32.72222	35	33.00	35.00
TOC	mg/l	10	2.135	3.6368	6.822	6.822	6.822
Temperature	°C	19	2	14.37895	28	15.00	27.00
Total nitrogen	mg/l	19	0.885	1.65426	2.707	1.61	2.25
Total phosphorus	mg/l	19	0.048	0.09463	0.293	0.062	0.232
Total phosphorus, dissolved	mg/l	18	0.031	0.0635	0.156	0.055	0.116
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 115 of

River: Danube **Catchment:** 570896.00 km2 **2013**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	10	7.5	7.88	8.17	7.50	7.50

25.06.2015

Page 116 of

River: Siret **Catchment:** 42890.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 4 m **RO10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	3.05	3.43846	4.07	3.37	4.05
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.31823	2.53	0.09	0.816
Arsenic (As), dissolved	µg/l	12	1.3	1.73333	2.1	1.80	1.90
Atrazine	µg/l	13	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	1.01	2.48173	6.4	2.10	4.315
COD (Cr)	mg/l	12	20.91	27.91083	34.89	27.42	33.05
COD (Mn)	mg/l	13	2.92	5.16308	8.59	4.26	8.58
Cadmium (Cd), dissolved	µg/l	11	< 0.075	0.11717	0.3704	0.075	0.2435
Calcium (Ca++)	mg/l	12	53.8	60.55	73.8	59.80	69.80
Chloride (Cl-)	mg/l	13	50.89	94.66231	140.04	86.85	139.69
Chromium (Cr), total	µg/l	12	< 0.5	1.27042	2.903	0.50	2.50
Conductivity	µS/cm	14	537	825	1090	820.00	1041.00
Copper (Cu)	µg/l	1	6.97	6.97	6.97		
Copper (Cu), dissolved	µg/l	10	2.44	4.678	7.8	7.80	7.80
Dissolved oxygen	mg/l	26	1.43	8.92885	11.93	9.16	6.73
Flow	m3/s	365	30.35	186.556	951.97	134.82	354.50
Iron (Fe)	mg/l	6	< 0.015	0.20683	0.815	0.815	0.815
Lead (Pb), dissolved	µg/l	13	0.75	4.38815	10.5	4.162	7.695
Lindane (gama-HCH)	µg/l	13	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.23	2.25	2.27		
Magnesium (Mg++)	mg/l	12	10.8	14.88333	19	14.20	19.00
Manganese (Mn)	mg/l	3	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	1	0.0356	0.0356	0.0356		
Mercury (Hg), dissolved	µg/l	11	< 0.0075	0.04615	0.105	0.046	0.064
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.67442	4.093	1.50	2.10
Nitrate (NO3-N)	mg/l	26	1.157	2.08969	3.93	1.89	3.19
Nitrite (NO2-N)	mg/l	26	< 0.0015	0.02977	0.098	0.02	0.078
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.04611	0.199	0.03	0.103
Petroleum hydrocarbons	mg/l	2	< 0.0625	0.09505	0.1276		
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.95	23.115	43.28		
Potassium (K+)	mg/l	6	2.9	4.26667	5.9	5.90	5.90
Sodium (Na+)	mg/l	6	23	29.9	36.8	36.80	36.80
Sulphate (SO4--)	mg/l	6	59.3	83.295	101.3	101.30	101.30
Suspended solids	mg/l	26	4	113.44231	773	92.00	164.00
Temperature	°C	26	0.5	13.95385	26.5	12.90	26.10
Total nitrogen	mg/l	24	1.31	2.69508	4.88	2.12	4.42
Total phosphorus	mg/l	26	0.011	0.06588	0.205	0.054	0.137
Total phosphorus, dissolved	mg/l	26	0.008	0.05196	0.199	0.043	0.104

25.06.2015

Page 117 of

River: Siret **Catchment:** 42890.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 4 m **RO10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Magnesium (Mg ⁺⁺)	mg/l	12	15.4	21.01667	37.6	17.00	36.80
Manganese (Mn)	mg/l	3	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	1	0.0875	0.0875	0.0875		
Mercury (Hg), dissolved	µg/l	11	< 0.0075	0.02382	0.049	0.02	0.045
Nickel (Ni), dissolved	µg/l	12	1	1.78817	5.635	1.40	1.80
Nitrate (NO ₃ -N)	mg/l	26	0.77	1.89965	3.28	1.81	3.06
Nitrite (NO ₂ -N)	mg/l	26	< 0.0015	0.02312	0.05	0.022	0.041
Orthophosphate (PO ₄ -P)	mg/l	26	0.009	0.04542	0.107	0.047	0.069
Petroleum hydrocarbons	mg/l	2	0.131	0.3578	0.5846		
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.54	6.195	8.85		
Potassium (K ⁺)	mg/l	2	2.2	2.3	2.4		
Sodium (Na ⁺)	mg/l	2	18.5	21.25	24		
Sulphate (SO ₄ ⁻⁻)	mg/l	3	62.02	76.00667	87.7		
Suspended solids	mg/l	26	4	70.86538	236	42.00	172.00
Temperature	°C	26	1	14.28846	28.5	13.20	26.50
Total nitrogen	mg/l	26	0.99	2.19912	3.61	1.99	3.38
Total phosphorus	mg/l	26	0.046	0.07904	0.179	0.075	0.144
Total phosphorus, dissolved	mg/l	26	0.016	0.05608	0.109	0.057	0.084

25.06.2015

Page 119 of

River: Prut **Catchment:** 27480.00 km² **2013**
Distance from mouth: 0 **Altitude:** 5 m **RO11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	15	6.73	7.66533	8.09	7.64	7.54

25.06.2015

Page 120 of

River: **Somes** **Catchment:** **15780.00 km2** **2013**
Distance from mouth: **3** **Altitude:** **118 m** **RO12**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	6	2.18	2.96167	4.3	4.30	4.30
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.31363	1.32	0.245	0.66
Arsenic (As)	µg/l	5	1.32	2.054	3.05	3.05	3.05
Arsenic (As), dissolved	µg/l	11	< 0.5	0.64182	1.42	0.50	1.14
BOD (5)	mg/l	11	1.1	3.08182	4.9	2.70	4.70
COD (Cr)	mg/l	12	17.7	29.425	45	29.70	35.60
COD (Mn)	mg/l	9	2.8	5.44444	8.2	8.20	8.20
Cadmium (Cd)	µg/l	5	0.16	0.352	0.6	0.60	0.60
Cadmium (Cd), dissolved	µg/l	11	< 0.075	0.14091	0.37	0.075	0.32
Calcium (Ca++)	mg/l	12	34.7	55.3125	77.67	52.46	73.29
Chloride (Cl-)	mg/l	6	28.2	76.85333	127.07	127.07	127.07
Chromium (Cr) - total	µg/l	5	< 0.5	1.032	3.16	3.16	3.16
Chromium (Cr), total	µg/l	11	< 0.5	0.56182	1.18	0.50	0.50
Conductivity	µS/cm	9	356	616.55556	898	898.00	898.00
Copper (Cu)	µg/l	5	2.15	7.266	15.31	15.31	15.31
Copper (Cu), dissolved	µg/l	11	1.42	2.89909	5.95	1.97	5.83
Dissolved oxygen	mg/l	12	8.3	11.03333	13.9	10.50	8.70
Iron (Fe)	mg/l	4	0.431	0.63275	0.828	0.828	0.828
Lead (Pb)	µg/l	5	1.36	3.062	8.64	8.64	8.64
Lead (Pb), dissolved	µg/l	25	< 0.15	0.2112	1.68	0.15	0.15
Lindane (gama-HCH)	µg/l	3	< 0.00425	< 0.00425	< 0.00425		
Macrozoobenthos sapr. index	-	2	2.314	2.512	2.71		
Magnesium (Mg++)	mg/l	12	10.06	18.76583	28.53	15.66	28.26
Manganese (Mn)	mg/l	5	0.218	0.3202	0.588	0.588	0.588
Mercury (Hg)	µg/l	9	< 0.0075	0.01567	0.049	0.049	0.049
Mercury (Hg), dissolved	µg/l	11	< 0.0075	< 0.0075	< 0.0075	0.0075	0.0075
Nickel (Ni)	µg/l	5	1.47	2.76	5.94	5.94	5.94
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.51727	2.54	1.77	2.08
Nitrate (NO3-N)	mg/l	26	0.157	0.59527	1.438	0.56	1.136
Nitrite (NO2-N)	mg/l	26	< 0.0015	0.02067	0.083	0.019	0.028
Organic nitrogen	mg/l	1	< 0.5	< 0.5	< 0.5		
Orthophosphate (PO4-P)	mg/l	25	< 0.0035	0.02728	0.069	0.025	0.066
Petroleum hydrocarbons	mg/l	8	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	2.7	36.73636	117.3	17.80	90.60
Potassium (K+)	mg/l	8	3.56	5.0525	7.37	7.37	7.37
Sodium (Na+)	mg/l	8	31.01	55.31338	68.88	68.88	68.88
Sulphate (SO4--)	mg/l	6	36.9	49.6	64.1	64.10	64.10
Suspended solids	mg/l	26	8.4	113.31538	794	36.00	370.00

25.06.2015

Page 121 of

River: **Somes** **Catchment:** **15780.00 km2** **2013**
Distance from mouth: **3** **Altitude:** **118 m** **RO12**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	2	13.125	24.1	13.00	24.10
Total nitrogen	mg/l	19	0.77	2.34737	8.029	1.72	7.465
Total phosphorus	mg/l	24	0.018	0.11063	0.387	0.099	0.14
Zinc (Zn)	µg/l	5	52.73	110.93	181.77	181.77	181.77
Zinc (Zn), dissolved	µg/l	11	8.89	69.52727	243.95	29.82	149.92
p,p'-DDT	µg/l	3	< 0.0025	< 0.0025	< 0.0025		
pH	-	15	7.11	7.71133	8.06	7.78	7.29

25.06.2015

Page 122 of

River: Crisul Repede **Catchment:** 2413.00 km2 **2013**
Distance from mouth: 3 **Altitude:** 116 m **RO13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.8	2.04167	2.5	2.00	2.30
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.13263	0.35	0.073	0.316
Arsenic (As), dissolved	µg/l	12	< 0.5	0.55	1.1	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.1	1.90833	3.1	1.60	2.50
COD (Cr)	mg/l	12	5	11.58333	18	12.00	18.00
COD (Mn)	mg/l	6	2.1	2.55	2.8	2.80	2.80
Cadmium (Cd)	µg/l	4	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	32.5	39.125	49.8	39.30	44.20
Chloride (Cl-)	mg/l	12	7.2	11.35833	19.1	10.60	15.50
Chromium (Cr), total	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	221	288.25	389	283.00	352.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.44167	15	1.20	2.10

Dissolved oxygen	mg/l	12	7.3	9.675	13.3	8.30	7.40
Lead (Pb)	µg/l	4	0.5	1	2.5	2.50	2.50
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17917	0.5	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.33	2.42	2.51		
Magnesium (Mg++)	mg/l	12	2.7	5.00833	8.7	4.70	6.60
Mercury (Hg)	µg/l	12	< 0.0075	0.01246	0.067	0.0075	0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01021	0.04	0.0075	0.0075
Nickel (Ni)	µg/l	3	< 0.5	< 0.5	< 0.5		
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.78333	15.9	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.79	1.28167	1.85	1.23	1.75
Nitrite (NO2-N)	mg/l	12	0.005	0.0455	0.146	0.031	0.108
Orthophosphate (PO4-P)	mg/l	12	0.012	0.04883	0.23	0.024	0.10
Petroleum hydrocarbons	mg/l	12	< 0.0625	0.07063	0.16	0.0625	0.0625
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	0.9	2.25	3.5	3.50	3.50
Potassium (K+)	mg/l	6	2.1	3.05	4	4.00	4.00
Silicates(SiO2), dissolved	mg/l	12	1.1	1.83333	3.3	1.50	2.80
Sodium (Na+)	mg/l	6	6.5	10.3	14.8	14.80	14.80
Sulphate (SO4--)	mg/l	6	19.7	27.85	34.5	34.50	34.50
Suspended solids	mg/l	12	4	35	151	21.00	73.00
TOC	mg/l	12	2.15	2.3825	2.53	2.39	2.52
Temperature	°C	11	3	14.27273	23	15.00	23.00
Total nitrogen	mg/l	12	0.99	1.5725	2.16	1.48	2.07
Total phosphorus	mg/l	11	0.022	0.05245	0.15	0.045	0.094
Zinc (Zn)	µg/l	4	5	7.5	15	15.00	15.00

25.06.2015

Page 123 of

River: Crisul Repede **Catchment:** 2413.00 km2 **2013**
Distance from mouth: 3 **Altitude:** 116 m **RO13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	5	6.41667	15	5.00	12.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.7	7.91333	8.04	7.90	7.85

River: Crisul Negru **Catchment:** 3750.00 km2 **2013**
Distance from mouth: 13 **Altitude:** 86 m **RO14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.64167	3.2	2.70	3.00
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.08175	0.654	0.0125	0.065
Arsenic (As)	µg/l	7	< 0.5	< 0.5	< 0.5	0.50	0.50
Arsenic (As), dissolved	µg/l	5	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.5	1.48333	4.2	1.40	2.10
COD (Cr)	mg/l	12	5	10.83333	25	5.00	24.00
COD (Mn)	mg/l	7	1	2.95714	5.5	5.50	5.50
Cadmium (Cd)	µg/l	4	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	38.3	45.78333	53.8	45.40	51.60
Chloride (Cl-)	mg/l	11	< 2.5	7.99091	13.8	8.30	8.70
Chromium (Cr), total	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	214	313.91667	369	319.00	354.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.49167	4.6	1.10	2.70
Dissolved oxygen	mg/l	12	6.9	9.93333	13.7	9.00	7.30
Lead (Pb)	µg/l	4	0.5	0.5	0.5	0.50	0.50
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17917	0.5	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2	2	2		
Magnesium (Mg++)	mg/l	12	3.7	7.4	10.2	7.10	9.90
Mercury (Hg)	µg/l	12	< 0.0075	0.01238	0.066	0.0075	0.0075

Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01063	0.045	0.0075	0.0075
Nickel (Ni)	µg/l	4	< 0.5	1.325	3.8	3.80	3.80
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.75833	3.6	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.19	0.66333	1.37	0.53	1.10
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.01654	0.097	0.007	0.028
Orthophosphate (PO4-P)	mg/l	12	0.009	0.023	0.079	0.016	0.042
Petroleum hydrocarbons	mg/l	11	< 0.0625	0.07064	0.152	0.0625	0.0625
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	0.5	1.58333	3.1	3.10	3.10
Potassium (K+)	mg/l	6	2.1	2.61667	3.2	3.20	3.20
Silicates(SiO2), dissolved	mg/l	12	0.5	1.68333	4.3	1.40	3.00
Sodium (Na+)	mg/l	6	6	8.48333	14.6	14.60	14.60
Sulphate (SO4--)	mg/l	6	16.1	22.03333	26.1	26.10	26.10
Suspended solids	mg/l	12	< 0.92	20.99333	115	6.00	52.00
TOC	mg/l	12	1.45	2.38083	4.02	2.18	3.78
Temperature	°C	12	3	13.91667	26	14.00	24.00
Total nitrogen	mg/l	10	0.59	0.991	1.88	1.88	1.88

25.06.2015

Page 125 of

River: Crisul Negru **Catchment:** 3750.00 km2 **2013**
Distance from mouth: 13 **Altitude:** 86 m **RO14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.018	0.05167	0.19	0.029	0.11
Zinc (Zn)	µg/l	11	5	5	5	5.00	5.00
Zinc (Zn), dissolved	µg/l	5	5	5	5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.79	7.99167	8.19	7.97	7.80

River: Crisul Alb **Catchment:** 4240.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 89 m **RO15**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.3	2.65833	3.7	2.80	3.40
Ammonium (NH4-N)	mg/l	12	0.035	0.09492	0.178	0.077	0.16
Arsenic (As), dissolved	µg/l	12	< 0.5	1.49167	2.8	1.40	2.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.1	1.96667	6.7	1.60	2.10
COD (Cr)	mg/l	12	5	12.33333	38	12.00	18.00
COD (Mn)	mg/l	8	2.1	3.45	9.7	9.70	9.70
Cadmium (Cd)	µg/l	4	0.15	0.15	0.15	0.15	0.15
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	15.8	45.75	58.7	48.20	58.60
Chloride (Cl-)	mg/l	12	< 2.5	12.25	22.6	12.50	16.90
Chromium (Cr), total	µg/l	12	< 0.5	0.79167	1.9	0.50	1.60
Conductivity	µS/cm	12	180	378.25	526	391.00	493.00
Copper (Cu), dissolved	µg/l	12	1.2	2.78333	7.4	2.20	3.70
Dissolved oxygen	mg/l	12	6.5	9.28333	13.3	8.50	6.60
Lead (Pb)	µg/l	4	0.5	0.5	0.5	0.50	0.50
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17917	0.5	0.15	0.15
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.3525	2.4476	2.5427		
Magnesium (Mg++)	mg/l	12	5.7	10.35	17.6	9.30	13.80
Mercury (Hg)	µg/l	11	< 0.0075	0.01205	0.041	0.0075	0.024
Mercury (Hg), dissolved	µg/l	11	< 0.0075	0.00909	0.025	0.0075	0.0075
Nickel (Ni)	µg/l	4	< 0.5	1.925	6.2	6.20	6.20
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.925	5.6	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.34	0.7025	0.94	0.76	0.91
Nitrite (NO2-N)	mg/l	12	0.006	0.0145	0.034	0.012	0.025
Orthophosphate (PO4-P)	mg/l	12	0.017	0.04875	0.14	0.03	0.10
Petroleum hydrocarbons	mg/l	10	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	1	2.55	5.8	5.80	5.80
Potassium (K+)	mg/l	6	2.2	3.21667	4.6	4.60	4.60
Silicates(SiO2), dissolved	mg/l	12	1.6	3.05833	6.5	2.80	4.00
Sodium (Na+)	mg/l	6	13	16.6	28	28.00	28.00
Sulphate (SO4--)	mg/l	6	32.3	44	62.8	62.80	62.80
Suspended solids	mg/l	12	< 0.92	28.41	208	12.00	35.00
TOC	mg/l	12	1.89	2.89333	3.98	2.85	3.46
Temperature	°C	12	2	13.33333	26	12.00	23.00
Total nitrogen	mg/l	12	0.6	1	1.51	0.90	1.26
Total phosphorus	mg/l	12	0.024	0.06608	0.17	0.044	0.14

River: Crisul Alb **Catchment:** 4240.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 89 m **RO15**

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	4	5	5	5	5.00	5.00
Zinc (Zn), dissolved	µg/l	12	5	5	5	5.00	5.00
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.73	7.955	8.15	8.00	7.76

25.06.2015

Page 128 of

River:

Mures

Catchment:

27818.00 km2

2013

Distance from mouth:

21

Altitude:

86 m

RO16

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	6	1.8	1.96667	2.4	2.40	2.40
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.08621	0.195	0.074	0.154
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	12	1.81	2.5075	3.1	2.63	2.80
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	2.96	4.98917	6.48	4.86	6.43
COD (Cr)	mg/l	10	10.1	13.98	30.5	30.50	30.50
COD (Mn)	mg/l	3	2.96	5.41333	7.04		
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.09633	0.214	0.075	0.192
Calcium (Ca++)	mg/l	6	35.5	41.73333	52.3	52.30	52.30
Chloride (Cl-)	mg/l	6	28.98	43.14167	58.6	58.60	58.60
Chromium (Cr), total	µg/l	12	1.23	3.6975	6.1	4.14	5.50
Conductivity	µS/cm	7	418	500.71429	594	594.00	594.00
Copper (Cu), dissolved	µg/l	12	4.45	7.51	13.1	6.37	10.20
Dissolved oxygen	mg/l	12	7.4	10.225	13.22	9.45	7.76

Lead (Pb), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.398	2.4055	2.413		
Magnesium (Mg++)	mg/l	6	5.83	11.49167	19.7	19.70	19.70
Mercury (Hg)	µg/l	11	< 0.0075	0.02527	0.096	0.0075	0.064
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00854	0.02	0.0075	0.0075
Nickel (Ni), dissolved	µg/l	12	< 0.5	3.12917	5.2	3.29	4.52
Nitrate (NO3-N)	mg/l	12	0.105	0.7995	1.66	0.607	1.54
Nitrite (NO2-N)	mg/l	12	0.004	0.02242	0.086	0.016	0.036
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03275	0.125	0.015	0.075
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.89	40.21	160.83	9.83	104.59
Potassium (K+)	mg/l	6	3.37	4.25667	4.97	4.97	4.97
Silicates(SiO2), dissolved	mg/l	12	7.21	8.51667	9.76	8.64	9.38
Sodium (Na+)	mg/l	6	34.2	43.63333	54.1	54.10	54.10
Sulphate (SO4--)	mg/l	6	59.3	85.31667	124.8	124.80	124.80
Suspended solids	mg/l	12	< 0.92	42.65333	236	14.60	128.20
TOC	mg/l	11	2.3	5.47364	12.5	4.50	8.10
Temperature	°C	12	1	12.14167	23	11.80	23.00
Total nitrogen	mg/l	12	0.533	1.67275	2.36	1.68	2.31
Total phosphorus	mg/l	12	0.024	0.10958	0.326	0.045	0.318
Zinc (Zn), dissolved	µg/l	12	< 0.5	22.16667	113	11.00	57.00

25.06.2015

Page 129 of

River: Mures **Catchment:** 27818.00 km2 **2013**
Distance from mouth: 21 **Altitude:** 86 m **RO16**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.79	8.02417	8.49	7.90	7.84

River: Bega **Catchment:** 2632.00 km2 **2013**
Distance from mouth: 7 **Altitude:** 46 m **RO17**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.3	1.75909	2.22	1.71	2.12
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.06914	0.214	0.0442	0.106
Anionic active surfactants	mg/l	12	< 0.05	0.08675	0.182	0.05	0.142
Arsenic (As)	µg/l	9	< 0.5	< 0.5	< 0.5	0.50	0.50
Arsenic (As), dissolved	µg/l	2	< 0.5	< 0.5	< 0.5		
Atrazine	µg/l	2	< 0.0175	< 0.0175	< 0.0175		
BOD (5)	mg/l	12	1.42	2.2375	4.46	1.72	3.80
COD (Cr)	mg/l	12	7.04	20.92917	46.87	16.00	44.20
COD (Mn)	mg/l	12	2.97	5.815	15.67	4.15	13.19
Cadmium (Cd), dissolved	µg/l	12	< 0.075	1.38483	8.06	0.338	2.52
Calcium (Ca ⁺⁺)	mg/l	12	25.92	29.63917	35.23	29.85	32.06
Chloride (Cl ⁻)	mg/l	12	12.76	16.21083	24.1	15.60	18.72
Chromium (Cr), total	µg/l	12	< 0.5	4.72083	26	0.50	12.00
Conductivity	µS/cm	12	216	272.91667	324	273.00	324.00
Copper (Cu), dissolved	µg/l	12	< 0.5	3.90833	7.9	4.60	7.30
Dissolved oxygen	mg/l	12	6.55	9.265	12.69	8.98	7.20
Lead (Pb), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Lindane (gama-HCH)	µg/l	7	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.378	2.624	2.87		
Magnesium (Mg ⁺⁺)	mg/l	12	5.15	7.99167	14.29	7.29	10.10
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0188	0.048	0.048	0.048
Nickel (Ni), dissolved	µg/l	12	< 0.5	4.475	16.71	2.83	11.60

Nitrate (NO3-N)	mg/l	12	0.425	1.03767	1.88	0.943	1.743
Nitrite (NO2-N)	mg/l	12	0.01	0.02268	0.035	0.0192	0.035
Orthophosphate (PO4-P)	mg/l	12	0.061	0.14775	0.266	0.135	0.218
Petroleum hydrocarbons	mg/l	12	< 0.0625	0.15021	0.28	0.15	0.24
Phenol index	mg/l	12	< 0.0025	0.00276	0.0056	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.184	1.48	1.776		
Potassium (K+)	mg/l	12	1	3	5	3.00	4.00
Sodium (Na+)	mg/l	12	10	17.49167	25	17.90	20.00
Sulphate (SO4--)	mg/l	12	14.95	22.0325	33.22	19.33	30.67
Suspended solids	mg/l	12	2	48.83333	255	12.00	165.00
Temperature	°C	12	2	12.58333	25	10.00	22.00
Total nitrogen	mg/l	12	0.944	1.74783	3.08	1.72	2.28
Total phosphorus	mg/l	12	0.111	0.26592	0.542	0.207	0.52
Zinc (Zn), dissolved	µg/l	12	< 0.5	15.30833	78	0.50	36.20
p,p'-DDT	µg/l	7	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.1	7.39167	7.7	7.30	7.10

25.06.2015

Page 131 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.7	2.98	3.32	2.97	3.16
Ammonium (NH4-N)	mg/l	12	0.044	0.06992	0.108	0.066	0.098
Anionic active surfactants	mg/l	12	< 0.05	0.12683	0.236	0.123	0.132
Arsenic (As), dissolved	µg/l	12	< 0.5	0.589	1.06	0.50	1.008
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.35	1.57667	1.99	1.46	1.83
COD (Cr)	mg/l	12	9.04	10.445	12.96	9.94	12.05
COD (Mn)	mg/l	12	1.92	2.7525	3.88	2.66	3.56
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	36.5	43.88833	55.55	43.06	49.20
Chloride (Cl-)	mg/l	12	11.1	14.64225	19.109	13.964	17.024
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	352	407.33333	453	400.00	442.00
Copper (Cu), dissolved	µg/l	12	1.06	2.20417	3.274	2.163	3.049
Dissolved oxygen	mg/l	12	5.34	9.24917	12.05	8.64	6.38
Iron (Fe)	mg/l	6	< 0.015	0.07133	0.172	0.172	0.172
Lead (Pb), dissolved	µg/l	12	< 0.15	0.6035	1.736	0.15	1.324
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.25	2.25	2.25		
Magnesium (Mg++)	mg/l	12	7.76	12.10833	15.52	11.64	14.35
Manganese (Mn)	mg/l	6	< 0.015	0.0195	0.042	0.042	0.042
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.02078	0.039	0.039	0.039
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.09158	3.73	0.50	2.80
Nitrate (NO3-N)	mg/l	12	0.732	1.18275	1.681	1.064	1.647
Nitrite (NO2-N)	mg/l	12	0.01	0.01983	0.042	0.017	0.026
Orthophosphate (PO4-P)	mg/l	12	0.03	0.04333	0.054	0.043	0.051
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625

Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.89	2.125	2.36		
Potassium (K+)	mg/l	12	1	2.5	3	3.00	3.00
Sodium (Na+)	mg/l	12	14	18.58333	23	19.00	21.00
Sulphate (SO4--)	mg/l	12	22.65	34.37583	48.46	34.56	38.47
Suspended solids	mg/l	12	34	35.83333	38	35.00	37.00
TOC	mg/l	12	1.619	3.39117	6.12	2.95	5.757
Temperature	°C	12	5	14.60833	24	14.00	23.90
Total nitrogen	mg/l	12	1.06	1.78875	2.51	1.657	2.475
Total phosphorus	mg/l	12	0.049	0.09792	0.219	0.066	0.199
Total phosphorus, dissolved	mg/l	11	0.035	0.06982	0.15	0.056	0.146

25.06.2015

Page 132 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.53	7.80667	8.23	7.81	7.54

25.06.2015

Page 133 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Alkalinity - total	mmol/l	12	2.68	2.94167	3.28	2.89	3.12
Ammonium (NH4-N)	mg/l	12	0.028	0.0595	0.101	0.057	0.081
Anionic active surfactants	mg/l	12	< 0.05	0.11033	0.128	0.116	0.125
Arsenic (As), dissolved	µg/l	12	< 0.5	0.61092	1.206	0.50	1.125
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.15	1.38583	1.8	1.32	1.65
COD (Cr)	mg/l	12	8.43	9.69333	10.85	10.24	10.85
COD (Mn)	mg/l	12	1.76	2.58417	3.72	2.49	3.39
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	38.09	42.24583	50.78	41.47	47.61
Chloride (Cl-)	mg/l	12	10.384	14.51567	18.761	14.592	16.677
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	349	398.66667	445	402.00	429.00
Copper (Cu), dissolved	µg/l	12	1.114	2.44883	3.298	2.562	2.942
Dissolved oxygen	mg/l	12	5.52	8.93333	11.66	8.50	6.00
Iron (Fe)	mg/l	6	< 0.015	0.04133	0.071	0.071	0.071
Lead (Pb), dissolved	µg/l	12	< 0.15	0.518	1.408	0.15	1.334
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	8.73	11.93833	16	11.64	14.55
Manganese (Mn)	mg/l	6	< 0.015	0.02233	0.044	0.044	0.044
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01933	0.043	0.043	0.043
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.57617	3.386	0.50	3.374
Nitrate (NO3-N)	mg/l	12	0.734	1.17458	1.687	1.039	1.582
Nitrite (NO2-N)	mg/l	12	0.009	0.01942	0.048	0.015	0.025
Orthophosphate (PO4-P)	mg/l	12	0.027	0.03892	0.05	0.038	0.044
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.77	2.365	2.96		
Potassium (K+)	mg/l	12	2	2.25	3	2.00	3.00
Sodium (Na+)	mg/l	12	12	18.75	23	20.00	22.00
Sulphate (SO4--)	mg/l	12	24.86	34.29583	50.71	33.98	36.76
Suspended solids	mg/l	12	32	33.75	36	33.00	35.00
TOC	mg/l	12	1.064	3.25625	6.04	2.90	5.679
Temperature	°C	12	5	14.71667	24	14.00	23.60
Total nitrogen	mg/l	12	0.99	1.71858	2.524	1.545	2.412
Total phosphorus	mg/l	12	0.052	0.08958	0.209	0.059	0.171
Total phosphorus, dissolved	mg/l	11	0.032	0.06282	0.132	0.049	0.129
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 134 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	12	7.54	7.8475	8.22	7.82	7.59

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.64	2.9275	3.23	2.93	3.09
Ammonium (NH ₄ -N)	mg/l	12	0.037	0.07025	0.128	0.067	0.097
Anionic active surfactants	mg/l	12	0.107	0.11942	0.132	0.121	0.126
Arsenic (As), dissolved	µg/l	12	< 0.5	0.61925	1.223	0.50	1.208
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	1.32917	1.7	1.34	1.68
COD (Cr)	mg/l	12	8.74	10.16417	12.36	9.94	11.45
COD (Mn)	mg/l	12	1.98	2.68833	3.81	2.33	3.47
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	34.91	42.27167	50.78	41.47	46.02
Chloride (Cl ⁻)	mg/l	12	10.742	14.89625	18.414	15.287	17.371
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	349	402.33333	449	408.00	435.00
Copper (Cu), dissolved	µg/l	12	1.653	2.647	3.615	2.528	3.247
Dissolved oxygen	mg/l	12	5.39	9.0525	11.53	8.59	6.11
Iron (Fe)	mg/l	6	< 0.015	0.17717	0.743	0.743	0.743
Lead (Pb), dissolved	µg/l	12	< 0.15	0.83758	3.03	0.68	1.451
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.22	2.22	2.22		
Magnesium (Mg ⁺⁺)	mg/l	12	8.73	12.3675	15.52	12.61	13.58
Manganese (Mn)	mg/l	6	< 0.015	0.01933	0.041	0.041	0.041
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.022	0.046	0.046	0.046

Nickel (Ni), dissolved	µg/l	12	< 0.5	1.34883	3.381	0.50	2.638
Nitrate (NO3-N)	mg/l	12	0.804	1.20058	1.79	1.116	1.731
Nitrite (NO2-N)	mg/l	12	0.009	0.01908	0.039	0.016	0.026
Orthophosphate (PO4-P)	mg/l	12	0.029	0.04708	0.066	0.045	0.065
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.89	2.48	3.07		
Potassium (K+)	mg/l	12	1	2.16667	3	2.00	3.00
Sodium (Na+)	mg/l	12	15	19.41667	24	20.00	22.00
Sulphate (SO4--)	mg/l	12	25.19	36.16	51.68	33.68	42.07
Suspended solids	mg/l	12	31	33.66667	36	34.00	35.00
TOC	mg/l	12	2.028	3.52033	6.287	2.924	5.953
Temperature	°C	12	5	14.71667	24	14.00	23.80
Total nitrogen	mg/l	12	1.138	1.78483	2.722	1.646	2.63
Total phosphorus	mg/l	12	0.055	0.10625	0.235	0.07	0.217
Total phosphorus, dissolved	mg/l	11	0.037	0.07327	0.148	0.055	0.148

25.06.2015

Page 136 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.42	7.845	8.25	7.81	7.51

25.06.2015

Page 137 of

River: Jiu **Catchment:** 10046.00 km2 **2013**
Distance from mouth: 9 **Altitude:** 31 m **RO19**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.104	2.8115	3.347	2.806	3.118
Ammonium (NH4-N)	mg/l	12	< 0.0125	0.04454	0.0798	0.0404	0.0791
Anionic active surfactants	mg/l	12	0.11	0.16525	0.196	0.17	0.195
Arsenic (As), dissolved	µg/l	12	< 0.5	0.98333	1.6	1.10	1.60
Atrazine	µg/l	12	< 0.0175	0.01948	0.0413	0.0175	0.0175
BOD (5)	mg/l	12	4.35	6.18083	7.6	6.20	7.44
COD (Cr)	mg/l	12	16.86	27.19417	32.17	27.73	30.94
COD (Mn)	mg/l	12	7.74	8.51583	10.24	8.32	9.92
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	39.77	53.13667	63.26	53.03	58.93
Chloride (Cl-)	mg/l	12	14.102	18.74425	25.186	18.26	23.866
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	300	364.66667	424	363.00	403.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.65	2.4	1.70	2.30
Dissolved oxygen	mg/l	12	7.47	9.58833	12.5	8.69	7.89
Lead (Pb), dissolved	µg/l	12	< 0.15	< 0.15	< 0.15	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	1.99	2.365	2.74		
Magnesium (Mg++)	mg/l	12	7.95	10.6275	12.65	10.61	11.79
Manganese (Mn)	mg/l	12	< 0.015	0.06335	0.345	0.0358	0.0843
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.02094	0.048	0.048	0.048
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.95	1.3	1.10	1.10
Nitrate (NO3-N)	mg/l	12	0.6075	1.4575	2.315	1.3975	2.2375
Nitrite (NO2-N)	mg/l	12	0.0054	0.01091	0.0383	0.0071	0.0131
Orthophosphate (PO4-P)	mg/l	12	0.014	0.04521	0.0955	0.0275	0.0806
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	4.73	20.13	35.53		
Potassium (K+)	mg/l	12	1.3	1.875	2.9	1.80	2.20
Sodium (Na+)	mg/l	12	13.5	19.46667	30.2	18.30	24.30
Sulphate (SO4--)	mg/l	12	33.176	48.74608	64.042	47.944	55.223
Suspended solids	mg/l	12	< 0.92	61.59333	260	21.00	183.20
TOC	mg/l	12	< 0.5	1.22825	2.385	1.156	2.10
Temperature	°C	12	3	14.85	28	14.50	24.50
Total nitrogen	mg/l	12	0.7968	1.76342	2.631	1.75	2.496
Total phosphorus	mg/l	12	0.0165	0.06658	0.1346	0.0483	0.1308
Zinc (Zn), dissolved	µg/l	12	< 0.5	2.80833	9.3	1.40	6.10
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 138 of

River: Jiu **Catchment:** 10046.00 km2 **2013**
Distance from mouth: 9 **Altitude:** 31 m **RO19**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

pH - 12 6.3 7.85917 8.71 7.94 7.62

25.06.2015

Page 139 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.64	2.95417	3.21	2.98	3.14
Ammonium (NH4-N)	mg/l	25	< 0.0125	0.05972	0.101	0.063	0.09
Anionic active surfactants	mg/l	12	< 0.05	0.1175	0.132	0.123	0.129
Arsenic (As), dissolved	µg/l	12	< 0.5	0.6395	1.16	0.50	1.01
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	25	1.18	1.6384	2.81	1.60	1.98
COD (Cr)	mg/l	12	8.13	10.5875	12.35	10.85	12.35
COD (Mn)	mg/l	12	1.6	2.6525	3.4	2.66	3.30
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	32.28	41.37417	46.02	41.47	46.02
Chloride (Cl-)	mg/l	12	11.816	15.59442	19.109	15.287	19.10
Chromium (Cr), total	µg/l	12	< 0.5	0.72925	2.68	0.50	1.071
Conductivity	µS/cm	12	351	406.66667	443	407.00	436.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.28925	3.996	2.021	3.683
Dissolved oxygen	mg/l	12	6.62	9.23833	11.36	8.75	7.70
Flow	m3/s	365	2261.54	5945.5095	11324.03	5633.96	10328.19
Iron (Fe)	mg/l	6	< 0.015	0.06967	0.113	0.113	0.113
Lead (Pb), dissolved	µg/l	12	< 0.15	0.61733	1.382	0.15	1.312
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.12	2.18	2.24		
Magnesium (Mg++)	mg/l	12	10.67	13.21583	17.46	13.58	15.03

Manganese (Mn)	mg/l	6	< 0.015	0.029	0.052	0.052	0.052
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01833	0.039	0.039	0.039
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.05067	2.97	0.50	2.638
Nitrate (NO3-N)	mg/l	25	0.709	1.23012	1.898	1.267	1.597
Nitrite (NO2-N)	mg/l	25	0.008	0.01668	0.036	0.016	0.023
Orthophosphate (PO4-P)	mg/l	25	0.027	0.0436	0.064	0.042	0.054
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.01	2.185	2.36		
Potassium (K+)	mg/l	12	1	2.08333	3	2.00	3.00
Silicates(SiO2), dissolved	mg/l	24	2.1	3.53333	4.8	3.50	4.10
Sodium (Na+)	mg/l	12	14	18.33333	24	18.00	22.00
Sulphate (SO4--)	mg/l	12	27.23	36.42333	53.23	35.49	42.07
Suspended solids	mg/l	25	30	34.8	37	35.00	36.00
TOC	mg/l	13	1.9584	3.94118	7.375	3.186	6.414
Temperature	°C	25	3.5	14.5	26	14.30	24.00
Total nitrogen	mg/l	25	1.026	1.79524	2.78	1.742	2.389

25.06.2015

Page 140 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	25	0.05	0.0912	0.213	0.066	0.188
Total phosphorus, dissolved	mg/l	23	0.033	0.06883	0.164	0.056	0.136
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.65	7.92667	8.24	7.86	7.75

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.68	2.94083	3.23	2.95	3.09
Ammonium (NH4-N)	mg/l	25	< 0.0125	0.05242	0.096	0.056	0.076
Anionic active surfactants	mg/l	12	0.102	0.12775	0.201	0.121	0.153
Arsenic (As), dissolved	µg/l	12	< 0.5	0.9285	1.97	1.005	1.42
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	25	< 0.25	1.4308	1.95	1.50	1.85
COD (Cr)	mg/l	12	7.83	10.17583	12.35	9.94	11.75
COD (Mn)	mg/l	12	1.28	2.55667	3.88	2.57	3.10
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	36.5	41.71583	47.61	41.26	47.61
Chloride (Cl-)	mg/l	12	11.1	14.88442	18.414	14.681	18.06
Chromium (Cr), total	µg/l	12	< 0.5	0.77483	1.544	0.50	1.50
Conductivity	µS/cm	12	350	403.5	442	405.00	433.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.39583	3.273	2.74	3.111
Dissolved oxygen	mg/l	12	6.53	9.22333	12.11	8.61	6.96
Flow	m3/s	365	2261.54	5945.5095	11324.03	5633.96	10328.19
Iron (Fe)	mg/l	6	< 0.015	0.05767	0.109	0.109	0.109
Lead (Pb), dissolved	µg/l	12	< 0.15	1.10917	2.62	1.052	2.27
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	9.7	12.38333	13.58	12.61	13.58
Manganese (Mn)	mg/l	6	< 0.015	0.03	0.044	0.044	0.044
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01978	0.04	0.04	0.04
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.8965	3.148	0.50	2.61
Nitrate (NO3-N)	mg/l	25	0.707	1.16516	1.609	1.136	1.597
Nitrite (NO2-N)	mg/l	25	0.004	0.01728	0.046	0.015	0.024
Orthophosphate (PO4-P)	mg/l	25	0.024	0.04068	0.053	0.039	0.053
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.65	2.305	2.96		
Potassium (K+)	mg/l	12	1	2.25	4	2.00	3.00
Silicates(SiO2), dissolved	mg/l	24	2	3.225	3.9	3.20	3.90
Sodium (Na+)	mg/l	12	12	18.41667	24	19.00	23.00
Sulphate (SO4--)	mg/l	12	27.67	35.035	50.48	33.58	39.47
Suspended solids	mg/l	25	27	32.64	35	33.00	34.00
TOC	mg/l	13	1.628	3.70131	6.541	3.025	6.017
Temperature	°C	25	4	14.428	26	14.40	22.60
Total nitrogen	mg/l	25	0.992	1.69048	2.406	1.608	2.384
Total phosphorus	mg/l	25	0.052	0.08544	0.209	0.064	0.153

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 31 m **RO2**

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus, dissolved	mg/l	23	0.031	0.06583	0.151	0.052	0.135
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.59	7.93083	8.22	7.90	7.72

25.06.2015

Page 143 of

River:

Danube

Catchment:

580100.00 km2

2013

Distance from mouth:

834

Altitude:

31 m

RO2

Location:

Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.64	2.93083	3.19	2.90	3.11
Ammonium (NH4-N)	mg/l	25	< 0.0125	0.0627	0.108	0.062	0.094
Anionic active surfactants	mg/l	12	0.111	0.13167	0.235	0.118	0.169
Arsenic (As), dissolved	µg/l	12	< 0.5	0.85867	1.58	0.50	1.245
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	25	1.14	1.6076	2.12	1.70	1.88
COD (Cr)	mg/l	12	8.13	10.33333	12.05	10.24	11.75
COD (Mn)	mg/l	12	1.34	2.68833	3.68	2.80	3.60
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	34.91	42.20417	49.2	41.47	46.02
Chloride (Cl-)	mg/l	12	10.742	15.015	18.761	15.28	18.41
Chromium (Cr), total	µg/l	12	< 0.5	0.73842	1.408	0.50	1.208
Conductivity	µS/cm	12	355	406.16667	441	408.00	436.00
Copper (Cu), dissolved	µg/l	12	< 0.5	2.3745	3.74	2.795	3.527
Dissolved oxygen	mg/l	12	6.73	9.2075	11.71	8.56	7.02
Flow	m3/s	365	2261.54	5945.5095	11324.03	5633.96	10328.19

Iron (Fe)	mg/l	6	< 0.015	0.06767	0.143	0.143	0.143
Lead (Pb), dissolved	µg/l	12	< 0.15	0.9705	2.15	1.201	1.93
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	10.67	12.61	15.52	12.61	13.58
Manganese (Mn)	mg/l	6	< 0.015	0.02983	0.057	0.057	0.057
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.02244	0.047	0.047	0.047
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.07975	3.072	0.50	2.805
Nitrate (NO3-N)	mg/l	25	0.682	1.20328	1.789	1.177	1.743
Nitrite (NO2-N)	mg/l	25	0.005	0.01832	0.053	0.017	0.023
Orthophosphate (PO4-P)	mg/l	25	0.025	0.04464	0.068	0.042	0.056
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.96	3.015	3.07		
Potassium (K+)	mg/l	12	1	2.16667	3	2.00	3.00
Silicates(SiO2), dissolved	mg/l	24	2.2	3.20892	4.5	3.20	3.70
Sodium (Na+)	mg/l	12	12	18.75	23	21.00	23.00
Sulphate (SO4--)	mg/l	12	27.99	36.28317	50.148	34.90	41.13
Suspended solids	mg/l	25	29	32.84	35	34.00	35.00
TOC	mg/l	13	1.834	3.91869	7.487	3.12	6.452
Temperature	°C	25	4	14.72	29	14.30	24.00
Total nitrogen	mg/l	25	0.988	1.7662	2.626	1.75	2.57
Total phosphorus	mg/l	25	0.055	0.09408	0.206	0.07	0.194

25.06.2015

Page 144 of

River: Danube **Catchment:** 580100.00 km2 **2013**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus, dissolved	mg/l	23	0.032	0.07204	0.163	0.055	0.148
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.69	7.92583	8.23	7.97	7.73

Manganese (Mn)	mg/l	1	0.05	0.05	0.05		
Mercury (Hg)	µg/l	1	< 0.0075	< 0.0075	< 0.0075		
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.01205	0.027	0.027	0.027
Nickel (Ni)	µg/l	1	1	1	1		
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.21273	3.32	1.00	1.90
Nitrate (NO3-N)	mg/l	12	0.031	0.52525	1.455	0.261	1.298
Nitrite (NO2-N)	mg/l	12	0.003	0.0115	0.032	0.007	0.023
Orthophosphate (PO4-P)	mg/l	12	0.0095	0.02296	0.06	0.015	0.043
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	6.1	6.465	6.83		
Sulphate (SO4--)	mg/l	12	5	15.47458	33.04	10.778	26.55
Suspended solids	mg/l	12	9.6	26.825	137	15.80	31.40
Temperature	°C	11	3.6	16.98273	27	16.70	25.90
Total nitrogen	mg/l	8	0.619	1.19913	2.167	2.167	2.167
Total phosphorus	mg/l	11	0.011	0.03673	0.082	0.038	0.054
Zinc (Zn)	µg/l	1	25	25	25		
Zinc (Zn), dissolved	µg/l	11	25	33.96636	99.6	25.00	48.00

25.06.2015

Page 146 of

River: Olt **Catchment:** 24050.00 km2 **2013**
Distance from mouth: 3 **Altitude:** 32 m **RO20**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	10	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.61	7.77167	8.07	7.70	7.62

25.06.2015

Page 147 of

River: Lalomita **Catchment:** 10309.00 km2 **2013**
Distance from mouth: 24 **Altitude:** 8 m **RO21**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.05	3.76783	5.33	3.83	4.26
Ammonium (NH4-N)	mg/l	12	0.099	1.05517	4.662	0.255	3.534
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	10	< 0.5	4.5178	17.138	17.138	17.138
Arsenic (As), dissolved	µg/l	3	< 0.5	3.52833	7.674		
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.5	6.89333	22.48	3.35	17.95
COD (Cr)	mg/l	12	5	60.0265	181.48	36.15	104.57
COD (Mn)	mg/l	8	3.51	5.14525	6.56	6.56	6.56
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	47.531	86.06492	121.04	88.18	118.64
Chloride (Cl-)	mg/l	12	121.348	185.43892	294.827	177.61	264.702
Chromium (Cr), total	µg/l	12	< 0.5	0.54808	1.077	0.50	0.50
Conductivity	µS/cm	12	897	1190.5833	1673	1140.00	1627.00
Copper (Cu), dissolved	µg/l	12	1.781	3.70217	8.044	3.21	5.173
Dissolved oxygen	mg/l	12	5.56	8.75	12.42	8.42	7.38
Lead (Pb), dissolved	µg/l	12	< 0.15	0.22083	1	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	9.97	16.93575	26.04	16.54	24.08
Mercury (Hg)	µg/l	4	< 0.0075	0.0155	0.032	0.032	0.032
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01267	0.032	0.0075	0.023
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.576	2.09033	4.571	1.761	4.427
Nitrite (NO2-N)	mg/l	12	0.04	0.08583	0.206	0.057	0.161
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.07229	0.112	0.077	0.111
Petroleum hydrocarbons	mg/l	12	< 0.0625	0.14763	0.483	0.0625	0.3831
Phenol index	mg/l	12	< 0.0025	0.00291	0.0074	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	17.76	22.94	28.12		
Sulphate (SO4--)	mg/l	12	78.06	100.4665	126.86	95.004	123.324
Suspended solids	mg/l	12	28	539.25	2224	246.00	1918.00
TOC	mg/l	12	3.42	4.24833	5.32	4.04	5.18
Temperature	°C	12	3	14.20833	26	15.00	19.50
Total nitrogen	mg/l	12	2.212	4.23392	10.71	2.817	8.07
Total phosphorus	mg/l	12	0.128	0.18292	0.253	0.173	0.238
Zinc (Zn)	µg/l	12	15	45.08333	154	33.00	75.00
Zinc (Zn), dissolved	µg/l	12	15	24.16667	100	15.00	40.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	6.69	7.69417	8.25	7.71	6.90

25.06.2015

Page 148 of

River: Danube **Catchment:** 676150.00 km2 **2013**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Alkalinity - total	mmol/l	12	2.61	3.40575	3.915	3.447	3.614
Ammonium (NH4-N)	mg/l	12	0.0296	0.09818	0.5493	0.0555	0.0934
Anionic active surfactants	mg/l	12	< 0.05	0.18	0.28	0.187	0.269
Arsenic (As)	µg/l	12	1	2.05	3.1	2.10	2.50
Arsenic (As), dissolved	µg/l	12	< 0.5	0.70833	1.7	0.50	1.20
Atrazine	µg/l	12	< 0.0175	0.01913	0.037	0.0175	0.0175
BOD (5)	mg/l	12	2.88	4.28417	5.62	4.32	5.30
COD (Cr)	mg/l	12	20.19	34.22083	51.4	34.59	39.73
COD (Mn)	mg/l	12	3.84	5.8225	8	5.76	7.36
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	46.2	60.19167	68.71	61.01	63.97
Chloride (Cl-)	mg/l	12	17.902	27.38925	36.522	25.906	36.34
Chromium (Cr) - total	µg/l	12	< 0.5	1.00833	2.1	0.50	1.90
Chromium (Cr), total	µg/l	12	< 0.5	0.625	1.5	0.50	1.00
Conductivity	µS/cm	12	317	382.33333	427	380.00	424.00
Copper (Cu)	µg/l	12	1.7	2.4	3.1	2.30	3.10
Copper (Cu), dissolved	µg/l	12	1.1	1.73333	2.4	1.60	2.20
Dissolved oxygen	mg/l	12	7.51	9.50583	12.38	8.87	7.85
Lead (Pb)	µg/l	12	< 0.15	0.8175	2.8	0.71	1.10
Lead (Pb), dissolved	µg/l	12	< 0.15	0.19333	0.67	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.21	2.215	2.22		
Magnesium (Mg++)	mg/l	12	9.24	12.03833	13.74	12.20	12.79
Manganese (Mn)	mg/l	12	< 0.015	0.0357	0.0642	0.0391	0.0525
Mercury (Hg)	µg/l	7	< 0.0075	0.02457	0.063	0.063	0.063
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01911	0.054	0.054	0.054
Nickel (Ni)	µg/l	12	1.4	1.90833	3.4	1.60	2.90
Nickel (Ni), dissolved	µg/l	12	1.2	1.51667	1.9	1.50	1.90
Nitrate (NO3-N)	mg/l	12	0.355	1.26271	2.2925	1.0375	1.82
Nitrite (NO2-N)	mg/l	12	0.0086	0.02124	0.0655	0.0143	0.0363
Orthophosphate (PO4-P)	mg/l	12	0.0086	0.03805	0.065	0.035	0.056
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	4.97	6.985	9		
Potassium (K+)	mg/l	12	1.2	2.05	3	2.10	2.60
Sodium (Na+)	mg/l	12	12.8	18.00833	26.8	16.80	22.30
Sulphate (SO4--)	mg/l	12	22.404	28.10875	36.824	28.44	30.271

25.06.2015

Page 149 of

River: Danube **Catchment:** 676150.00 km2 **2013**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	7	35.83333	91	25.00	82.00
TOC	mg/l	11	< 0.5	1.62904	2.618	1.685	2.463
Temperature	°C	12	2.5	14.375	26	12.70	25.00
Total nitrogen	mg/l	12	0.7083	1.76653	2.874	1.641	2.661
Total phosphorus	mg/l	12	0.0156	0.05484	0.0884	0.054	0.0758

Total phosphorus, dissolved	mg/l	12	0.0103	0.04247	0.068	0.0385	0.062
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.55	7.85583	8.12	7.85	7.58

25.06.2015

Page 150 of

River: Danube **Catchment:** 676150.00 km2 **2013**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.63	3.31482	3.808	3.313	3.715
Ammonium (NH4-N)	mg/l	11	< 0.0125	0.05294	0.0913	0.0496	0.0699
Anionic active surfactants	mg/l	11	< 0.05	0.18118	0.289	0.211	0.28
Arsenic (As), dissolved	µg/l	11	1.1	1.72727	2.4	1.80	2.00
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	11	3.12	4.21636	5.42	4.42	5.00
COD (Cr)	mg/l	11	22.17	31.07727	37.96	31.16	36.11
COD (Mn)	mg/l	11	4.16	5.81	7.68	6.08	7.23
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	11	46.17	58.17727	66.83	58.14	65.20
Chloride (Cl-)	mg/l	11	19.335	26.41464	37.419	24.466	34.217
Chromium (Cr), total	µg/l	11	< 0.5	0.59091	1	0.50	1.00
Conductivity	µS/cm	11	314	370.09091	416	380.00	396.00
Copper (Cu), dissolved	µg/l	11	1	2.13636	3	2.20	2.70
Dissolved oxygen	mg/l	11	6.79	8.98455	11.9	8.75	7.23
Lead (Pb), dissolved	µg/l	11	< 0.15	0.16364	0.3	0.15	0.15
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	11	9.23	11.63455	13.37	11.63	13.04
Manganese (Mn)	mg/l	11	< 0.015	0.0315	0.0675	0.033	0.049

Mercury (Hg), dissolved	µg/l	8	< 0.0075	0.01638	0.051	0.051	0.051
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.56364	2.1	1.60	1.90
Nitrate (NO3-N)	mg/l	11	0.395	1.25377	2.1	1.145	1.945
Nitrite (NO2-N)	mg/l	11	0.0076	0.01648	0.0339	0.0135	0.0255
Orthophosphate (PO4-P)	mg/l	11	0.007	0.03751	0.0721	0.0356	0.0538
Petroleum hydrocarbons	mg/l	11	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	4.5	6.04	7.58		
Potassium (K+)	mg/l	11	1	1.87273	3.2	1.90	2.40
Sodium (Na+)	mg/l	11	12.5	16.99091	21.1	16.50	20.90
Sulphate (SO4--)	mg/l	11	22.511	27.15882	30.361	27.951	29.702
Suspended solids	mg/l	11	10	26.81818	70	20.00	47.00
TOC	mg/l	11	< 0.5	1.39536	2.211	1.54	1.987
Temperature	°C	11	3	15.22727	25.5	14.50	24.00
Total nitrogen	mg/l	11	0.6708	1.67289	2.834	1.618	2.271
Total phosphorus	mg/l	11	0.0131	0.05404	0.093	0.06	0.071
Total phosphorus, dissolved	mg/l	11	0.0091	0.04178	0.0739	0.0403	0.0609
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	11	7.64	7.92364	8.15	8.01	7.66

25.06.2015

Page 151 of

River: Danube **Catchment:** 676150.00 km2 **2013**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.691	3.48627	4.108	3.414	3.848
Ammonium (NH4-N)	mg/l	11	0.0264	0.05302	0.0868	0.0536	0.0669
Anionic active surfactants	mg/l	11	< 0.05	0.17127	0.284	0.186	0.264
Arsenic (As), dissolved	µg/l	11	1.1	1.69091	2.2	1.80	2.10
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	11	3.36	4.31455	6.3	4.30	4.80
COD (Cr)	mg/l	11	24.15	36.35364	43.63	39.47	42.93
COD (Mn)	mg/l	11	4.48	5.89273	8.38	5.76	7.48
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	11	47.22	61.28273	72.1	59.92	67.53
Chloride (Cl-)	mg/l	11	19.692	26.26445	37.779	24.106	34.714
Chromium (Cr), total	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	11	320	383.09091	419	390.00	414.00
Copper (Cu), dissolved	µg/l	11	1.1	2.25455	2.8	2.30	2.70
Dissolved oxygen	mg/l	11	7.15	9.01455	12.1	8.22	7.56
Lead (Pb), dissolved	µg/l	11	< 0.15	0.20364	0.57	0.15	0.32
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	11	9.44	12.25636	14.42	11.98	13.51
Manganese (Mn)	mg/l	11	< 0.015	0.03529	0.06	0.039	0.0513
Mercury (Hg), dissolved	µg/l	8	< 0.0075	0.01375	0.044	0.044	0.044
Nickel (Ni), dissolved	µg/l	11	1	1.60909	2	1.70	1.90
Nitrate (NO3-N)	mg/l	11	0.44	1.30141	2.3	1.155	1.9075
Nitrite (NO2-N)	mg/l	11	0.0081	0.01645	0.0358	0.0136	0.0236
Orthophosphate (PO4-P)	mg/l	11	< 0.0035	0.03674	0.0633	0.0345	0.0519

Petroleum hydrocarbons	mg/l	11	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.79	5.445	7.1		
Potassium (K+)	mg/l	11	1.3	2.01818	2.8	1.90	2.70
Sodium (Na+)	mg/l	11	13.1	17.13636	21.9	17.10	20.60
Sulphate (SO4--)	mg/l	11	21.942	26.83582	30.92	27.329	29.931
Suspended solids	mg/l	11	7	25.18182	63	21.00	45.00
TOC	mg/l	11	< 0.5	1.53573	2.495	1.549	2.156
Temperature	°C	11	2.5	15.23636	26	14.50	25.00
Total nitrogen	mg/l	11	0.7119	1.71063	2.836	1.665	2.349
Total phosphorus	mg/l	11	0.0118	0.05325	0.0856	0.0583	0.0699
Total phosphorus, dissolved	mg/l	11	0.0085	0.04112	0.0654	0.0408	0.0586
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	11	7.58	7.90636	8.13	8.00	7.61

25.06.2015

Page 152 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.58	3.05231	3.31	3.05	3.29
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.07803	0.2727	0.078	0.1656
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	12	1.2	1.60833	2	1.60	1.80
Atrazine	µg/l	13	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.83	1.44827	3.67	1.29	2.66
COD (Cr)	mg/l	13	15.74	21.57462	25.27	21.77	24.58
COD (Mn)	mg/l	13	2.66	3.42692	4.58	3.26	4.40
Cadmium (Cd), dissolved	µg/l	13	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	13	41.6	48.92308	58.2	48.40	55.80
Chloride (Cl-)	mg/l	13	16.2	22.86462	32.65	22.46	27.79
Chromium (Cr), total	µg/l	12	< 0.5	1.76992	3.337	1.80	2.50
Conductivity	µS/cm	13	383	438.5	482	456.50	481.00
Copper (Cu), dissolved	µg/l	13	1.263	4.03958	7.28	3.5059	6.598
Dissolved oxygen	mg/l	25	7.965	9.6546	12.27	9.71	8.41
Flow	m3/s	365	2580	6557.9178	12770	6060.00	11050.00
Iron (Fe)	mg/l	5	< 0.015	0.28332	0.422	0.422	0.422
Lead (Pb), dissolved	µg/l	12	0.75	1.28458	2.9	0.75	2.30
Lindane (gama-HCH)	µg/l	13	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.24	2.255	2.27		
Magnesium (Mg++)	mg/l	13	11.8	13.63077	16.8	13.20	15.40
Manganese (Mn)	mg/l	3	< 0.015	< 0.015	< 0.015		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.03516	0.109	0.019	0.063
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.41675	2.821	1.30	2.58
Nitrate (NO3-N)	mg/l	26	0.66	1.72854	2.92	1.74	2.42
Nitrite (NO2-N)	mg/l	26	0.008	0.01645	0.035	0.0145	0.029
Orthophosphate (PO4-P)	mg/l	26	0.008	0.04275	0.102	0.044	0.067
Petroleum hydrocarbons	mg/l	2	< 0.0625	0.1111	0.1597		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.95	8.36	13.77		
Silicates(SiO2), dissolved	mg/l	2	2.79	2.89	2.99		
Sulphate (SO4--)	mg/l	6	18.9	29.11667	40.05	40.05	40.05
Suspended solids	mg/l	23	5	19.69565	75	15.00	33.00
Temperature	°C	26	2	14.58846	28.5	15.40	25.50
Total nitrogen	mg/l	26	0.738	1.92838	3.18	1.95	2.75
Total phosphorus	mg/l	26	0.013	0.06035	0.116	0.062	0.102
Total phosphorus, dissolved	mg/l	26	0.01	0.04627	0.102	0.048	0.071
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 153 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	14	6.53	7.79071	8.24	8.01	7.47

25.06.2015

Page 154 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.63	3.04385	3.38	3.00	3.35
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.05218	0.1046	0.049	0.092
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05

Arsenic (As), dissolved	µg/l	12	1.1	1.575	2.4	1.60	1.70
Atrazine	µg/l	13	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.68	1.37865	3.88	1.23	1.94
COD (Cr)	mg/l	13	15.74	21.35615	27.21	21.38	25.27
COD (Mn)	mg/l	13	2.22	3.00692	4.71	2.94	3.55
Cadmium (Cd), dissolved	µg/l	13	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	13	41.6	50.24615	58.2	51.80	57.80
Chloride (Cl-)	mg/l	13	15.5	21.43923	27.79	21.20	26.28
Chromium (Cr), total	µg/l	12	< 0.5	2.03317	4.892	1.70	3.851
Conductivity	µS/cm	13	380	430.61538	480	443.00	478.00
Copper (Cu), dissolved	µg/l	13	1.28	5.21673	15.4319	4.232	8.09
Dissolved oxygen	mg/l	24	8.11	9.77125	12.34	9.54	8.36
Flow	m3/s	365	2580	6557.9178	12770	6060.00	11050.00
Iron (Fe)	mg/l	4	< 0.015	0.24985	0.418	0.418	0.418
Lead (Pb), dissolved	µg/l	12	0.75	1.075	2.9	0.75	2.50
Lindane (gama-HCH)	µg/l	13	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	13	9.4	12.84615	16.8	13.00	15.00
Manganese (Mn)	mg/l	3	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	1	0.0575	0.0575	0.0575		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.03015	0.099	0.018	0.055
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.25067	2.13	1.30	2.00
Nitrate (NO3-N)	mg/l	26	0.663	1.72654	2.86	1.75	2.38
Nitrite (NO2-N)	mg/l	26	0.006	0.01325	0.032	0.0115	0.02
Orthophosphate (PO4-P)	mg/l	26	0.01	0.04646	0.099	0.049	0.072
Petroleum hydrocarbons	mg/l	2	0.1285	0.1368	0.1451		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.95	6.785	10.62		
Silicates(SiO2), dissolved	mg/l	2	2.86	2.935	3.01		
Sulphate (SO4--)	mg/l	6	14.2	30.21	36.5	36.50	36.50
Suspended solids	mg/l	23	3	17.08696	60	13.00	35.00
Temperature	°C	26	2	14.53462	28.4	15.40	25.50
Total nitrogen	mg/l	26	0.783	1.90369	3.15	1.88	2.68
Total phosphorus	mg/l	26	0.016	0.06352	0.113	0.064	0.101
Total phosphorus, dissolved	mg/l	26	0.014	0.05277	0.11	0.053	0.083
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

25.06.2015

Page 155 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	14	6.78	7.80321	8.23	8.00	7.46

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.63	3.04308	3.33	3.05	3.29
Ammonium (NH ₄ -N)	mg/l	26	< 0.0125	0.05471	0.133	0.045	0.108
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	13	1.2	1.67692	2.8	1.60	1.90
Atrazine	µg/l	13	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.79	1.41	3.69	1.15	2.42
COD (Cr)	mg/l	13	17.71	21.36538	27.21	21.22	23.33
COD (Mn)	mg/l	13	2.37	3.12077	4.71	2.96	4.59
Cadmium (Cd), dissolved	µg/l	13	< 0.075	0.13801	0.7562	0.075	0.2129
Calcium (Ca ⁺⁺)	mg/l	13	43.6	49.4	55.8	50.60	54.40
Chloride (Cl ⁻)	mg/l	13	16.85	21.26077	28.83	20.10	26.75
Chromium (Cr), total	µg/l	12	< 0.5	1.624	3.184	1.538	2.751
Conductivity	µS/cm	13	382	433.26923	490	439.00	480.00
Copper (Cu), dissolved	µg/l	13	1.7	5.42527	9.37	5.11	8.452
Dissolved oxygen	mg/l	24	8	9.71958	12.24	9.60	8.49
Flow	m ³ /s	365	2580	6557.9178	12770	6060.00	11050.00
Iron (Fe)	mg/l	6	< 0.015	0.32883	0.6915	0.6915	0.6915
Lead (Pb), dissolved	µg/l	12	0.75	1.29567	3.798	0.75	2.60
Lindane (gama-HCH)	µg/l	13	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.39	2.39	2.39		
Magnesium (Mg ⁺⁺)	mg/l	13	10.8	13.4	16	13.20	15.60
Manganese (Mn)	mg/l	3	< 0.015	< 0.015	< 0.015		

Mercury (Hg)	µg/l	1	0.0404	0.0404	0.0404		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.03763	0.142	0.028	0.076
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.20917	2	1.30	1.76
Nitrate (NO3-N)	mg/l	26	0.653	1.73569	3.03	1.77	2.33
Nitrite (NO2-N)	mg/l	26	< 0.0015	0.0145	0.045	0.011	0.0295
Orthophosphate (PO4-P)	mg/l	26	0.01	0.048	0.083	0.051	0.075
Petroleum hydrocarbons	mg/l	2	< 0.0625	0.1066	0.1507		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	11.8	12.39	12.98		
Silicates(SiO2), dissolved	mg/l	2	2.96	3	3.04		
Sulphate (SO4--)	mg/l	6	24	35.295	46.9	46.90	46.90
Suspended solids	mg/l	23	5	18.13043	53	13.00	36.00
Temperature	°C	26	2	14.57692	28.5	15.30	25.50
Total nitrogen	mg/l	26	0.893	1.96058	3.26	2.00	2.75
Total phosphorus	mg/l	26	0.022	0.06479	0.113	0.065	0.107
Total phosphorus, dissolved	mg/l	26	0.019	0.05338	0.087	0.059	0.078

25.06.2015

Page 157 of

River: Danube **Catchment:** 698600.00 km2 **2013**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	14	6.79	7.78857	8.22	7.95	7.46

25.06.2015

Page 158 of

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.7	2.99917	3.46	2.94	3.21
Ammonium (NH4-N)	mg/l	26	0.037	0.16712	0.478	0.151	0.249
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.5	2.11667	2.6	2.00	2.50
Arsenic (As), dissolved	µg/l	12	1.4	1.625	1.9	1.60	1.90
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.69	1.99538	4.21	1.79	3.40
COD (Cr)	mg/l	12	8.24	14.275	35.23	11.90	16.23
COD (Mn)	mg/l	12	2.59	4.7875	7.35	4.22	7.03
Cadmium (Cd)	µg/l	12	< 0.075	0.08292	0.17	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	45.46	52.9525	62.52	52.10	57.71
Chloride (Cl-)	mg/l	12	16.45	23.055	29.77	22.60	26.63
Chromium (Cr) - total	µg/l	12	< 0.5	2.07479	5.8	1.58	3.07
Chromium (Cr), total	µg/l	12	< 0.5	0.5975	1.12	0.50	1.05
Conductivity	µS/cm	13	371	427.46154	512	420.00	471.00
Copper (Cu)	µg/l	12	6.19	13.77792	31.3	8.36	27.45
Copper (Cu), dissolved	µg/l	12	1.858	3.599	8.13	3.10	6.22
Dissolved oxygen	mg/l	25	6.58	9.912	12.64	9.70	7.39
Flow	m3/s	365	2970	7163.5890	13540	6090.00	12020.00
Iron (Fe)	mg/l	11	0.155	0.67545	1.76	0.55	1.235
Lead (Pb)	µg/l	12	0.5	1.67533	3.17	1.46	2.884
Lead (Pb), dissolved	µg/l	12	0.5	0.565	1.28	0.50	0.50
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	9.73	12.94417	16.85	12.58	16.54
Manganese (Mn)	mg/l	11	< 0.015	0.03927	0.174	0.015	0.087
Mercury (Hg)	µg/l	12	< 0.0075	0.01442	0.076	0.0075	0.022
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01456	0.071	0.071	0.071
Nickel (Ni)	µg/l	12	2	2.255	5.06	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	26	0.606	1.316	2.029	1.361	1.808
Nitrite (NO2-N)	mg/l	26	0.012	0.02192	0.057	0.022	0.033
Orthophosphate (PO4-P)	mg/l	26	0.021	0.04496	0.07	0.046	0.062
Petroleum hydrocarbons	mg/l	4	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	0.0059	0.02065	0.0354		
Potassium (K+)	mg/l	6	2.3	2.76667	3.2	3.20	3.20
Silicates(SiO2), dissolved	mg/l	26	0.5	2.68731	3.77	3.07	3.68

25.06.2015

Page 159 of

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Sodium (Na+)	mg/l	6	14	17.06667	21.4	21.40	21.40
Sulphate (SO4--)	mg/l	4	23.6	31.9225	42	42.00	42.00
Suspended solids	mg/l	25	10.8	41.15	120.8	31.80	98.40
Temperature	°C	26	2	13.47308	27	14.00	26.00
Total nitrogen	mg/l	26	1.04	1.97865	3.31	1.86	3.11
Total phosphorus	mg/l	26	0.032	0.09931	0.203	0.094	0.128
Total phosphorus, dissolved	mg/l	25	0.039	0.06816	0.137	0.064	0.084
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.89	8.12333	8.63	8.08	7.96

25.06.2015

Page 160 of

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	2.965	3.41	2.94	3.16
Ammonium (NH4-N)	mg/l	26	0.032	0.15908	0.465	0.14	0.246
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.5	1.94167	2.8	2.00	2.10
Arsenic (As), dissolved	µg/l	12	1.2	1.51667	1.8	1.50	1.80
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.99	1.97692	4.15	1.67	3.39
COD (Cr)	mg/l	12	8.24	13.58583	32.86	11.52	15.43
COD (Mn)	mg/l	12	2.49	4.68083	7.23	4.16	6.39
Cadmium (Cd)	µg/l	12	< 0.075	0.08425	0.186	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	42.85	52.02	60.92	52.10	56.91
Chloride (Cl-)	mg/l	12	15.67	22.72833	29.77	22.60	25.85

Chromium (Cr) - total	µg/l	12	< 0.5	2.25242	5.7	2.29	3.319
Chromium (Cr), total	µg/l	12	< 0.5	0.68167	2.06	0.50	1.12
Conductivity	µS/cm	13	382	416.07692	464	420.00	447.00
Copper (Cu)	µg/l	12	6.38	12.00458	25.67	8.53	22.36
Copper (Cu), dissolved	µg/l	12	1.19	3.61917	6.97	3.28	5.52
Dissolved oxygen	mg/l	25	6.32	9.9356	12.75	9.74	7.58
Flow	m3/s	365	2970	7163.5890	13540	6090.00	12020.00
Iron (Fe)	mg/l	11	0.159	0.70645	1.78	0.536	1.32
Lead (Pb)	µg/l	12	0.5	1.91608	3.56	1.57	3.413
Lead (Pb), dissolved	µg/l	12	0.5	0.63667	2.14	0.50	0.50
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.1751	2.1751	2.1751		
Magnesium (Mg++)	mg/l	12	9.24	12.94417	17.33	12.16	16.05
Manganese (Mn)	mg/l	11	< 0.015	0.03991	0.174	0.015	0.087
Mercury (Hg)	µg/l	12	< 0.0075	0.01633	0.088	0.0075	0.033
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01139	0.029	0.029	0.029
Nickel (Ni)	µg/l	12	2	2.27583	5.31	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	26	0.585	1.29688	2.029	1.311	1.79
Nitrite (NO2-N)	mg/l	26	0.011	0.0205	0.049	0.02	0.032
Orthophosphate (PO4-P)	mg/l	26	0.018	0.04085	0.064	0.04	0.054
Petroleum hydrocarbons	mg/l	4	< 0.0625	0.15433	0.4298	0.4298	0.4298
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	0.003	0.0251	0.0472		
Potassium (K+)	mg/l	6	2.3	2.66667	3	3.00	3.00

25.06.2015

Page 161 of

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Silicates(SiO2), dissolved	mg/l	26	0.5	2.58154	3.62	2.89	3.50
Sodium (Na+)	mg/l	6	14	17.01667	21.6	21.60	21.60
Sulphate (SO4--)	mg/l	4	22.49	31.375	40	40.00	40.00
Suspended solids	mg/l	25	8.4	39.728	119.2	30.40	96.00
Temperature	°C	26	2	13.60769	27	14.00	26.00
Total nitrogen	mg/l	26	0.95	1.90373	3.2	1.78	3.04
Total phosphorus	mg/l	26	0.027	0.09304	0.19	0.089	0.125
Total phosphorus, dissolved	mg/l	25	0.037	0.06352	0.119	0.059	0.083
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.86	8.115	8.58	8.05	7.92

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	2.9475	3.36	2.91	3.21
Ammonium (NH4-N)	mg/l	26	0.034	0.16535	0.488	0.148	0.249
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.5	1.99167	2.8	2.00	2.20
Arsenic (As), dissolved	µg/l	12	1.2	1.54167	2	1.60	1.70
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.8	1.965	4.26	1.72	3.42
COD (Cr)	mg/l	12	7.85	14.13333	37.6	11.13	15.83
COD (Mn)	mg/l	12	2.56	4.75333	7.29	4.41	6.39
Cadmium (Cd)	µg/l	12	< 0.075	0.08208	0.16	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	43.07	51.8875	61.72	51.30	57.71
Chloride (Cl-)	mg/l	12	16.06	22.63917	29.38	22.45	26.25
Chromium (Cr) - total	µg/l	12	< 0.5	2.56283	5.76	2.704	5.66
Chromium (Cr), total	µg/l	12	< 0.5	0.87917	2.89	0.50	2.66
Conductivity	µS/cm	14	375	417.35714	458	415.00	456.00
Copper (Cu)	µg/l	12	6.15	14.07833	28.62	9.63	27.38
Copper (Cu), dissolved	µg/l	12	2.14	3.6675	6.76	3.09	6.05
Dissolved oxygen	mg/l	25	6.97	10.0156	12.81	9.83	7.83
Flow	m3/s	365	2970	7163.5890	13540	6090.00	12020.00
Iron (Fe)	mg/l	11	0.155	0.71027	1.72	0.602	1.31
Lead (Pb)	µg/l	12	0.5	1.56792	2.855	1.42	2.59

Lead (Pb), dissolved	µg/l	12	0.5	0.5	0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.2208	2.22185	2.2229		
Magnesium (Mg++)	mg/l	12	9.78	13.14583	17.02	12.65	16.85
Manganese (Mn)	mg/l	11	< 0.015	0.03936	0.172	0.015	0.087
Mercury (Hg)	µg/l	12	< 0.0075	0.01229	0.065	0.0075	0.0075
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.01311	0.058	0.058	0.058
Nickel (Ni)	µg/l	12	2	2.27083	5.25	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	26	0.594	1.31058	2.02	1.361	1.799
Nitrite (NO2-N)	mg/l	26	0.011	0.02158	0.051	0.022	0.035
Orthophosphate (PO4-P)	mg/l	26	0.02	0.04365	0.069	0.047	0.059
Petroleum hydrocarbons	mg/l	4	< 0.0625	0.13665	0.3591	0.3591	0.3591
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	0.0059	0.02655	0.0472		
Potassium (K+)	mg/l	6	2.4	2.71667	3.1	3.10	3.10

25.06.2015

Page 163 of

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Silicates(SiO2), dissolved	mg/l	26	0.5	2.64462	3.66	3.04	3.57
Sodium (Na+)	mg/l	6	13.9	16.83333	20.4	20.40	20.40
Sulphate (SO4--)	mg/l	4	24.78	31.8175	38	38.00	38.00
Suspended solids	mg/l	25	9.6	41.488	122.8	31.20	99.60
Temperature	°C	26	2	13.51154	27	14.00	26.00
Total nitrogen	mg/l	26	0.99	1.95804	3.26	1.85	3.09
Total phosphorus	mg/l	26	0.029	0.099	0.196	0.094	0.13
Total phosphorus, dissolved	mg/l	25	0.038	0.0678	0.14	0.062	0.086
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	13	7.92	8.10692	8.61	8.04	7.96

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	3.02667	3.41	2.99	3.34
Ammonium (NH4-N)	mg/l	12	0.057	0.16233	0.315	0.136	0.243
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.5	1.925	2.2	2.20	2.20
Arsenic (As), dissolved	µg/l	9	1.1	1.44444	1.6	1.60	1.60
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.61	1.785	2.61	2.13	2.29
COD (Cr)	mg/l	12	8.76	14.00333	25.73	11.08	18.80
COD (Mn)	mg/l	12	3.58	4.38167	5.77	4.16	5.31
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	41.47	52.555	60.92	52.10	59.32
Chloride (Cl-)	mg/l	12	16.45	23.96583	31.9	23.24	29.18
Chromium (Cr) - total	µg/l	12	< 0.5	1.84833	3.845	1.44	3.79
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	385	424.5	460	417.00	450.00
Copper (Cu)	µg/l	12	4.7	9.66667	24.3	7.67	15.35
Copper (Cu), dissolved	µg/l	12	1.37	2.94817	5.75	2.798	3.59
Dissolved oxygen	mg/l	12	7.56	9.99417	12.86	9.83	7.69
Iron (Fe)	mg/l	11	0.05	0.69555	2.38	0.493	1.095
Lead (Pb)	µg/l	12	0.5	1.70833	3.05	1.52	2.69
Lead (Pb), dissolved	µg/l	12	0.5	0.55083	1.11	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	11.19	14.35833	19.74	13.62	17.51
Manganese (Mn)	mg/l	11	< 0.015	0.03627	0.172	0.015	0.054
Mercury (Hg)	µg/l	9	< 0.0075	0.02294	0.089	0.089	0.089
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0237	0.061	0.061	0.061
Nickel (Ni)	µg/l	12	2	2.35667	6.28	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.73	1.24917	1.808	1.259	1.641
Nitrite (NO2-N)	mg/l	12	0.011	0.023	0.051	0.019	0.035
Orthophosphate (PO4-P)	mg/l	12	0.018	0.04392	0.065	0.043	0.061
Petroleum hydrocarbons	mg/l	3	< 0.0625	< 0.0625	< 0.0625		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	4.72	6.68667	9.44		
Potassium (K+)	mg/l	7	2.4	2.77143	3.1	3.10	3.10
Sodium (Na+)	mg/l	7	15.1	17.78571	22.6	22.60	22.60
Sulphate (SO4--)	mg/l	4	24.56	32.63	39	39.00	39.00

25.06.2015

Page 165 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	15.2	42.43333	76.4	34.80	70.00
Temperature	°C	12	2.5	13.55833	27.3	12.80	22.50
Total nitrogen	mg/l	12	1.097	1.85642	2.9	1.63	2.89
Total phosphorus	mg/l	12	0.055	0.09725	0.149	0.091	0.119
Total phosphorus, dissolved	mg/l	12	0.042	0.06533	0.092	0.067	0.086
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.62	8.04417	8.45	8.09	7.76

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.6	2.97	3.41	2.89	3.26
Ammonium (NH4-N)	mg/l	12	0.05	0.15742	0.312	0.134	0.239
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.5	1.85	2.1	2.10	2.10
Arsenic (As), dissolved	µg/l	9	< 0.5	1.44444	1.8	1.80	1.80
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.59	1.91333	3.11	2.08	2.47
COD (Cr)	mg/l	12	8.54	13.72083	29.29	10.68	17.17
COD (Mn)	mg/l	12	3.13	4.2475	5.77	4.03	5.31
Cadmium (Cd)	µg/l	12	< 0.075	0.08458	0.19	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	41.47	51.62	59.32	51.30	57.93
Chloride (Cl-)	mg/l	12	16.45	23.42833	31.12	22.84	28.99
Chromium (Cr) - total	µg/l	12	< 0.5	2.16592	4.73	1.79	4.085
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	380	421.16667	457	415.00	450.00
Copper (Cu)	µg/l	12	5.62	9.84667	22.8	7.42	16.25
Copper (Cu), dissolved	µg/l	12	2.25	3.36167	6.45	2.79	5.83
Dissolved oxygen	mg/l	12	7.45	9.88667	12.5	9.40	7.52
Iron (Fe)	mg/l	11	0.05	0.68473	2.24	0.49	1.045
Lead (Pb)	µg/l	12	0.5	1.5575	2.86	1.31	2.56
Lead (Pb), dissolved	µg/l	12	0.5	0.6225	1.97	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.06	2.165	2.27		
Magnesium (Mg++)	mg/l	12	10.7	14.23833	19.26	13.62	17.51
Manganese (Mn)	mg/l	11	< 0.015	0.03273	0.169	0.015	0.056
Mercury (Hg)	µg/l	10	< 0.0075	0.01235	0.056	0.056	0.056
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.01045	0.037	0.037	0.037
Nickel (Ni)	µg/l	12	2	2.3725	6.47	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.739	1.22883	1.781	1.241	1.60
Nitrite (NO2-N)	mg/l	12	0.01	0.02083	0.04	0.018	0.035
Orthophosphate (PO4-P)	mg/l	12	0.017	0.04083	0.059	0.04	0.058
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.19233	0.3748		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	2.36	7.46	15.3		
Potassium (K+)	mg/l	7	2.3	2.68571	3	3.00	3.00
Sodium (Na+)	mg/l	7	14.9	17.5	21.6	21.60	21.60

25.06.2015

Page 167 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	27.86	31.9175	37	37.00	37.00
Suspended solids	mg/l	12	13.6	41.46667	74.8	35.20	72.00
Temperature	°C	12	2.5	13.5	27.1	12.70	22.40
Total nitrogen	mg/l	11	1.06	1.87818	2.85	1.67	2.84
Total phosphorus	mg/l	12	0.053	0.09	0.138	0.087	0.111
Total phosphorus, dissolved	mg/l	12	0.038	0.05967	0.089	0.06	0.08
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.69	8.08	8.6	8.10	7.80

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	2.96083	3.36	2.89	3.26
Ammonium (NH4-N)	mg/l	12	0.04	0.15925	0.322	0.138	0.242
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.7	1.9	2.1	2.10	2.10
Arsenic (As), dissolved	µg/l	9	< 0.5	1.42222	1.9	1.90	1.90
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.65	1.92167	3.41	2.07	2.52
COD (Cr)	mg/l	12	8.94	13.85333	28.11	10.75	17.20
COD (Mn)	mg/l	12	3.55	4.34083	5.71	4.03	5.24
Cadmium (Cd)	µg/l	12	< 0.075	0.09708	0.34	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	41.27	51.55417	59.32	52.10	58.52
Chloride (Cl-)	mg/l	12	16.06	23.49167	31.51	22.84	29.77
Chromium (Cr) - total	µg/l	12	< 0.5	1.9555	4.46	1.756	3.93
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	11	383	422.63636	458	415.00	455.00
Copper (Cu)	µg/l	12	4.825	12.12792	35.43	8.40	24.70
Copper (Cu), dissolved	µg/l	12	2.27	3.2305	6.24	2.70	5.02
Dissolved oxygen	mg/l	12	7.52	9.94583	12.59	9.60	7.58
Iron (Fe)	mg/l	9	0.05	0.79122	2.38	2.38	2.38
Lead (Pb)	µg/l	12	0.5	1.78417	4.45	1.35	2.97
Lead (Pb), dissolved	µg/l	12	0.5	0.57833	1.44	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	3	2.07	2.10667	2.17		
Magnesium (Mg++)	mg/l	12	10.7	14.19667	20.71	13.13	17.99
Manganese (Mn)	mg/l	11	< 0.015	0.04245	0.176	0.015	0.065
Mercury (Hg)	µg/l	9	< 0.0075	0.01667	0.043	0.043	0.043
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0155	0.04	0.04	0.04
Nickel (Ni)	µg/l	12	2	2.3625	6.35	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.73	1.24133	1.808	1.25	1.62
Nitrite (NO2-N)	mg/l	12	0.01	0.02192	0.049	0.018	0.032
Orthophosphate (PO4-P)	mg/l	12	0.017	0.043	0.067	0.04	0.065
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.12193	0.2408		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.18	7.97667	17.7		
Potassium (K+)	mg/l	7	2.4	2.72857	3.2	3.20	3.20
Sodium (Na+)	mg/l	7	14.9	17.41429	21	21.00	21.00

25.06.2015

Page 169 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	25.02	29.74	35	35.00	35.00
Suspended solids	mg/l	12	14.4	43.03333	80	36.00	73.20
Temperature	°C	12	2.5	13.55	27.4	12.80	22.50
Total nitrogen	mg/l	11	1.09	1.90636	2.88	1.72	2.87
Total phosphorus	mg/l	12	0.055	0.09442	0.138	0.09	0.122
Total phosphorus, dissolved	mg/l	12	0.04	0.06342	0.09	0.063	0.083
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	11	7.67	8.04545	8.57	8.09	7.72

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	3.035	3.39	3.04	3.36
Ammonium (NH4-N)	mg/l	12	0.078	0.17217	0.276	0.154	0.273
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.9	2.225	2.5	2.50	2.50
Arsenic (As), dissolved	µg/l	9	1.3	1.6	1.9	1.90	1.90
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	2.09667	5.12	1.56	3.52
COD (Cr)	mg/l	12	6.36	12.425	18.6	10.57	17.99
COD (Mn)	mg/l	12	3.96	4.86	6.14	4.48	6.01
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	44.44	53.49583	60.92	52.90	60.92
Chloride (Cl-)	mg/l	12	19.3	35.8975	167.01	23.77	28.99
Chromium (Cr) - total	µg/l	12	< 0.5	1.66908	4.905	1.73	2.496
Chromium (Cr), total	µg/l	12	< 0.5	0.55083	1.11	0.50	0.50
Conductivity	µS/cm	12	378	459.33333	832	432.00	470.00
Copper (Cu)	µg/l	12	3.29	8.2275	13.21	6.93	12.85
Copper (Cu), dissolved	µg/l	12	1.75	2.9585	4.44	2.85	4.24
Dissolved oxygen	mg/l	12	5.72	9.17417	12.58	9.52	6.32
Iron (Fe)	mg/l	11	0.124	0.49918	0.93	0.445	0.88
Lead (Pb)	µg/l	12	0.5	1.27333	2.79	1.29	2.40
Lead (Pb), dissolved	µg/l	12	0.5	0.55167	1.12	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	3	2.08	2.11	2.13		
Magnesium (Mg++)	mg/l	12	8.75	15.12333	20.22	14.59	19.94
Manganese (Mn)	mg/l	11	< 0.015	0.01909	0.06	0.015	0.015
Mercury (Hg)	µg/l	9	< 0.0075	0.02061	0.076	0.076	0.076
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0231	0.071	0.071	0.071
Nickel (Ni)	µg/l	12	2	2	2	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	11	0.545	1.14327	1.659	1.18	1.62
Nitrite (NO2-N)	mg/l	12	0.013	0.02392	0.079	0.018	0.028
Orthophosphate (PO4-P)	mg/l	12	0.019	0.04942	0.085	0.043	0.066
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.22103	0.5381		
Phenol index	mg/l	4	< 0.0025	0.00318	0.0052	0.0052	0.0052
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	1.18	1.34667	1.68		
Potassium (K+)	mg/l	7	2.4	2.77143	3	3.00	3.00
Sodium (Na+)	mg/l	7	14.8	17.57143	21.8	21.80	21.80

25.06.2015

Page 171 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	21.61	30.745	41	41.00	41.00
Suspended solids	mg/l	12	9.6	40.33333	125.2	31.60	72.00
Temperature	°C	12	2	13.85833	26.5	12.80	24.20
Total nitrogen	mg/l	11	1.12	1.77427	3.16	1.59	2.78
Total phosphorus	mg/l	12	0.051	0.09267	0.146	0.094	0.108
Total phosphorus, dissolved	mg/l	12	0.04	0.06833	0.106	0.063	0.091
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.56	8.0275	8.85	7.88	7.61

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.65	2.97917	3.36	2.89	3.29
Ammonium (NH4-N)	mg/l	12	0.076	0.16042	0.268	0.13	0.249
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	2.1	2.325	2.6	2.60	2.60
Arsenic (As), dissolved	µg/l	9	1.3	1.6	2.1	2.10	2.10
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	1.92833	4.77	1.44	3.42
COD (Cr)	mg/l	12	6.99	12.01667	17.81	10.57	17.34
COD (Mn)	mg/l	12	3.77	4.79333	6.2	4.35	5.95
Cadmium (Cd)	µg/l	12	< 0.075	0.08458	0.19	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	42.85	52.49667	59.32	52.90	59.32
Chloride (Cl-)	mg/l	12	18.51	35.50583	165.43	23.38	28.99
Chromium (Cr) - total	µg/l	12	< 0.5	1.56767	4.995	1.68	2.107
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	378	455.5	806	426.00	469.00
Copper (Cu)	µg/l	12	3.26	8.49	13.9	8.13	13.90
Copper (Cu), dissolved	µg/l	12	1.62	3.06667	6.25	2.82	3.67
Dissolved oxygen	mg/l	12	5.78	9.17417	12.4	9.46	6.29
Iron (Fe)	mg/l	11	0.05	0.43082	0.94	0.384	0.82
Lead (Pb)	µg/l	12	0.5	1.2775	2.7	1.25	2.15
Lead (Pb), dissolved	µg/l	12	0.5	0.55333	1.14	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.09	2.15	2.21		
Magnesium (Mg++)	mg/l	12	9.24	15.285	20.22	15.08	19.46
Manganese (Mn)	mg/l	11	< 0.015	0.01927	0.062	0.015	0.015
Mercury (Hg)	µg/l	8	< 0.0075	0.01469	0.065	0.065	0.065
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.02825	0.143	0.143	0.143
Nickel (Ni)	µg/l	12	2	2	2	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	11	0.545	1.12718	1.659	1.13	1.559
Nitrite (NO2-N)	mg/l	12	0.013	0.02283	0.077	0.017	0.026
Orthophosphate (PO4-P)	mg/l	12	0.017	0.04642	0.084	0.048	0.059
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.2415	0.5995		
Phenol index	mg/l	4	< 0.0025	0.00463	0.011	0.011	0.011
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	2.36	4.85	9.83		
Potassium (K+)	mg/l	7	2.3	2.67143	3.1	3.10	3.10
Sodium (Na+)	mg/l	7	14.8	17.57143	22.6	22.60	22.60

25.06.2015

Page 173 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	21.12	29.1675	38	38.00	38.00
Suspended solids	mg/l	12	10.4	38.73333	122.8	30.40	70.80
Temperature	°C	12	2	13.775	27	12.70	24.20
Total nitrogen	mg/l	11	1.07	1.72873	3.14	1.53	2.73
Total phosphorus	mg/l	12	0.05	0.08792	0.129	0.092	0.107
Total phosphorus, dissolved	mg/l	12	0.039	0.065	0.098	0.063	0.09
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.52	7.97083	8.78	7.76	7.54

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.6	2.975	3.36	2.94	3.29
Ammonium (NH4-N)	mg/l	12	0.083	0.16733	0.287	0.136	0.27
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	2	2.275	2.6	2.60	2.60
Arsenic (As), dissolved	µg/l	9	1.4	1.65556	2.2	2.20	2.20
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.73	2.0725	4.37	1.85	3.56
COD (Cr)	mg/l	12	7.15	12.27417	18.2	10.16	17.55
COD (Mn)	mg/l	12	3.9	4.80417	6.14	4.41	5.88
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	43.65	52.29583	60.92	51.30	59.32
Chloride (Cl-)	mg/l	12	18.51	35.60417	167.01	22.99	29.38
Chromium (Cr) - total	µg/l	12	< 0.5	1.76417	5.25	1.75	2.77
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	378	458	835	433.00	464.00
Copper (Cu)	µg/l	12	3.77	9.265	17.33	7.97	13.28
Copper (Cu), dissolved	µg/l	12	1.73	3.37667	7.06	2.84	4.49
Dissolved oxygen	mg/l	12	6.1	9.2225	12.69	9.54	6.40
Iron (Fe)	mg/l	11	0.05	0.484	0.93	0.406	0.915
Lead (Pb)	µg/l	12	0.5	1.28917	2.62	1.37	1.97
Lead (Pb), dissolved	µg/l	12	0.5	0.65333	1.25	0.50	1.07

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	4	2.15	2.1825	2.25	2.25	2.25
Magnesium (Mg++)	mg/l	12	8.75	15.125	19.74	14.59	19.46
Manganese (Mn)	mg/l	11	< 0.015	0.01945	0.064	0.015	0.015
Mercury (Hg)	µg/l	9	< 0.0075	0.02961	0.154	0.154	0.154
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.032	0.154	0.154	0.154
Nickel (Ni)	µg/l	12	2	2	2	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	11	0.54	1.14864	1.629	1.171	1.568
Nitrite (NO2-N)	mg/l	12	0.014	0.0235	0.08	0.018	0.028
Orthophosphate (PO4-P)	mg/l	12	0.018	0.04808	0.086	0.042	0.063
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.13087	0.2676		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	4	1.68	2.78	3.54	3.54	3.54
Potassium (K+)	mg/l	7	2.3	2.7	3	3.00	3.00
Sodium (Na+)	mg/l	7	14.7	17.54286	22.4	22.40	22.40

25.06.2015

Page 175 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	21.72	30.1825	36	36.00	36.00
Suspended solids	mg/l	12	11.2	40	124.4	30.80	72.80
Temperature	°C	12	2	13.9	26.7	12.90	24.30
Total nitrogen	mg/l	11	1.09	1.78827	3.17	1.58	2.75
Total phosphorus	mg/l	12	0.051	0.09075	0.139	0.095	0.109
Total phosphorus, dissolved	mg/l	12	0.04	0.06667	0.111	0.06	0.09
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.52	7.99667	8.88	7.82	7.60

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.76	3.03583	3.37	2.99	3.31
Ammonium (NH4-N)	mg/l	12	0.074	0.16292	0.255	0.153	0.235
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.6	2.075	2.7	2.70	2.70
Arsenic (As), dissolved	µg/l	8	1.3	1.55	1.8	1.80	1.80
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.54	1.45833	2.78	1.31	2.75
COD (Cr)	mg/l	12	9.01	13.36333	18.2	11.87	17.74
COD (Mn)	mg/l	12	3.77	4.63417	5.95	4.47	5.69
Cadmium (Cd)	µg/l	12	< 0.075	0.08333	0.175	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	42.06	53.16333	60.92	53.17	59.32
Chloride (Cl-)	mg/l	12	19.95	24.6225	29.54	25.32	29.15
Chromium (Cr) - total	µg/l	12	< 0.5	1.995	3.83	1.85	2.97
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	377	433.58333	502	428.00	464.00
Copper (Cu)	µg/l	12	3.57	11.13083	30.39	7.62	26.50
Copper (Cu), dissolved	µg/l	12	1.75	3.05667	5.26	2.70	4.90
Dissolved oxygen	mg/l	12	6.78	9.61583	12.73	9.70	7.08
Iron (Fe)	mg/l	11	0.198	0.67445	1.56	0.58	1.155
Lead (Pb)	µg/l	12	0.5	1.545	3.65	1.36	2.89
Lead (Pb), dissolved	µg/l	12	0.5	0.57583	1.41	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.14	2.185	2.23		
Magnesium (Mg++)	mg/l	12	9.24	14.6	20.71	14.10	18.48
Manganese (Mn)	mg/l	11	< 0.015	0.035	0.074	0.015	0.063
Mercury (Hg)	µg/l	8	< 0.0075	0.00894	0.019	0.019	0.019
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0233	0.12	0.12	0.12
Nickel (Ni)	µg/l	12	2	2.42333	4.66	2.00	4.42
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.47	1.19967	1.88	1.198	1.761
Nitrite (NO2-N)	mg/l	12	0.012	0.019	0.027	0.018	0.024
Orthophosphate (PO4-P)	mg/l	12	0.022	0.047	0.07	0.046	0.059
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.14117	0.2985		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.36	4.13	5.9		
Potassium (K+)	mg/l	7	2.4	2.72857	3.1	3.10	3.10
Sodium (Na+)	mg/l	7	14.5	17.12857	22	22.00	22.00

25.06.2015

Page 177 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	25.16	32.9975	44	44.00	44.00
Suspended solids	mg/l	12	8	39.4	88.8	28.80	78.00
Temperature	°C	12	2	13.91667	27.7	12.80	24.60
Total nitrogen	mg/l	10	1.1	1.8383	3.17	3.17	3.17
Total phosphorus	mg/l	12	0.055	0.09608	0.128	0.10	0.125
Total phosphorus, dissolved	mg/l	12	0.031	0.06475	0.105	0.062	0.083
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.86	8.2575	9.2	8.06	7.87

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.7	3.00333	3.32	2.99	3.25
Ammonium (NH4-N)	mg/l	12	0.069	0.16117	0.249	0.159	0.23
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.5	2	2.8	2.80	2.80
Arsenic (As), dissolved	µg/l	8	1.2	1.5375	1.9	1.90	1.90
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.58	1.60833	3.66	1.32	2.86
COD (Cr)	mg/l	12	8.62	12.52917	17.41	12.27	16.95
COD (Mn)	mg/l	12	3.39	4.485	5.88	4.16	5.63
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	41.27	52.42833	60.92	52.90	57.71
Chloride (Cl-)	mg/l	12	19.76	24.18083	28.21	24.94	27.96
Chromium (Cr) - total	µg/l	12	< 0.5	1.99417	3.48	2.18	2.96
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	377	430.41667	462	429.00	457.00
Copper (Cu)	µg/l	12	3.76	11.27417	34.37	8.44	18.46
Copper (Cu), dissolved	µg/l	12	1.85	3.12808	5.96	2.497	4.98
Dissolved oxygen	mg/l	12	6.88	9.5875	12.64	9.52	7.00
Iron (Fe)	mg/l	11	0.219	0.67491	1.53	0.58	1.215
Lead (Pb)	µg/l	12	0.5	1.33667	3.62	1.05	2.88
Lead (Pb), dissolved	µg/l	12	0.5	0.6375	2.15	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.2	2.2	2.2		
Magnesium (Mg++)	mg/l	12	9.24	14.56083	20.22	13.62	17.51
Manganese (Mn)	mg/l	11	< 0.015	0.03273	0.078	0.015	0.073
Mercury (Hg)	µg/l	8	< 0.0075	0.00994	0.027	0.027	0.027
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.01745	0.087	0.087	0.087
Nickel (Ni)	µg/l	12	2	2.19917	4.39	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.459	1.17475	1.849	1.171	1.729
Nitrite (NO2-N)	mg/l	12	0.012	0.01775	0.026	0.017	0.02
Orthophosphate (PO4-P)	mg/l	12	0.019	0.04308	0.063	0.044	0.056
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.18133	0.419		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.54	6.195	8.85		
Potassium (K+)	mg/l	7	2.3	2.71429	3.1	3.10	3.10
Sodium (Na+)	mg/l	7	14.4	17.01429	21.9	21.90	21.90

25.06.2015

Page 179 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	24.96	33.11	42	42.00	42.00
Suspended solids	mg/l	12	6.8	37.7	88	27.20	76.00
Temperature	°C	12	2	13.9	27.7	12.80	24.60
Total nitrogen	mg/l	10	1.03	1.7814	3.11	3.11	3.11
Total phosphorus	mg/l	12	0.05	0.08783	0.12	0.086	0.12
Total phosphorus, dissolved	mg/l	12	0.029	0.05942	0.083	0.058	0.081
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.8	8.23833	8.93	8.11	7.82

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.7	2.99917	3.37	2.91	3.29
Ammonium (NH4-N)	mg/l	12	0.073	0.16342	0.253	0.169	0.231
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	4	1.7	2.2	2.8	2.80	2.80
Arsenic (As), dissolved	µg/l	8	1.2	1.475	1.8	1.80	1.80
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.65	1.50833	3.68	1.11	2.42
COD (Cr)	mg/l	12	9.01	13.0175	18.13	12.28	17.41
COD (Mn)	mg/l	12	3.52	4.50583	5.82	4.22	5.56
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	40.47	52.495	61.72	53.70	57.71
Chloride (Cl-)	mg/l	12	19.37	23.7675	28.36	23.39	28.21
Chromium (Cr) - total	µg/l	12	< 0.5	2.08917	4.11	2.20	2.87
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	375	425.08333	452	424.00	451.00
Copper (Cu)	µg/l	12	3.88	12.6925	34.28	11.03	22.41
Copper (Cu), dissolved	µg/l	12	1.8	3.30917	5.27	3.19	5.11
Dissolved oxygen	mg/l	12	6.22	9.55417	12.49	9.65	6.95
Iron (Fe)	mg/l	11	0.176	0.65718	1.485	0.505	1.17
Lead (Pb)	µg/l	12	0.5	1.51917	3.94	1.14	2.66
Lead (Pb), dissolved	µg/l	12	0.5	0.63667	2.14	0.50	0.50

Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.14	2.14	2.14		
Magnesium (Mg++)	mg/l	12	8.75	14.68	21.67	14.59	18.48
Manganese (Mn)	mg/l	11	< 0.015	0.03136	0.071	0.015	0.065
Mercury (Hg)	µg/l	7	< 0.0075	< 0.0075	< 0.0075	0.0075	0.0075
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.0293	0.124	0.124	0.124
Nickel (Ni)	µg/l	12	2	2.49417	5.48	2.00	4.45
Nickel (Ni), dissolved	µg/l	12	2	2	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.1399	1.08899	1.869	0.994	1.74
Nitrite (NO2-N)	mg/l	12	0.012	0.01867	0.028	0.017	0.022
Orthophosphate (PO4-P)	mg/l	12	0.021	0.04642	0.065	0.047	0.058
Petroleum hydrocarbons	mg/l	3	< 0.0625	0.14623	0.2072		
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	1.96	1.96	1.96		
Potassium (K+)	mg/l	7	2.4	2.67143	3	3.00	3.00
Sodium (Na+)	mg/l	7	14.4	17.12857	22.4	22.40	22.40

25.06.2015

Page 181 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	24.58	32.905	40	40.00	40.00
Suspended solids	mg/l	12	7.2	39.7	89.6	30.40	78.80
Temperature	°C	12	2	13.93333	27.8	12.80	24.50
Total nitrogen	mg/l	11	1.07	1.83818	3.14	1.66	2.79
Total phosphorus	mg/l	12	0.054	0.09483	0.13	0.094	0.125
Total phosphorus, dissolved	mg/l	12	0.03	0.06233	0.099	0.059	0.086
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.84	8.25583	8.8	8.08	7.89

River: Arges **Catchment:** 12550.00 km2 **2013**
Distance from mouth: 0 **Altitude:** 14 m **RO9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.831	3.73492	4.819	3.607	4.729
Ammonium (NH4-N)	mg/l	12	0.4616	2.41104	5.075	1.9215	4.141
Anionic active surfactants	mg/l	12	< 0.05	0.28442	0.48	0.309	0.461
Arsenic (As), dissolved	µg/l	12	< 0.5	1.28333	2.5	1.10	2.20
Atrazine	µg/l	8	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	4.6	5.975	6.96	6.00	6.80
COD (Cr)	mg/l	12	32.72	56.18583	87.8	52.80	76.88
COD (Mn)	mg/l	12	6.08	8.01	9.28	8.00	9.08
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	53.54	70.59417	91.08	68.17	89.38
Chloride (Cl-)	mg/l	12	32.224	41.88608	65.964	36.521	57.96
Chromium (Cr), total	µg/l	12	< 0.5	0.75833	1.5	0.50	1.30
Conductivity	µS/cm	12	390	485.75	651	456.00	610.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.20833	1.8	1.20	1.60
Dissolved oxygen	mg/l	12	6.48	8.49333	11.43	8.06	6.90
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17	0.39	0.15	0.15
Lindane (gama-HCH)	µg/l	9	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	10.7	14.11917	18.22	13.63	17.88
Manganese (Mn)	mg/l	12	0.0359	0.05926	0.102	0.054	0.0743
Nickel (Ni), dissolved	µg/l	12	1.4	2.25833	3.5	2.40	2.90
Nitrate (NO3-N)	mg/l	12	0.324	0.70758	1.46	0.616	1.261
Nitrite (NO2-N)	mg/l	12	0.0353	0.10133	0.1539	0.095	0.1498

Orthophosphate (PO4-P)	mg/l	12	0.068	0.23527	0.4909	0.2228	0.347
Petroleum hydrocarbons	mg/l	12	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	12	< 0.0025	0.0035	0.0064	0.0025	0.0053
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.36	3.9	5.44		
Potassium (K+)	mg/l	12	2.1	2.85	4.7	2.70	3.80
Sodium (Na+)	mg/l	12	18.4	26.45833	36.8	25.80	36.80
Sulphate (SO4--)	mg/l	12	34.872	53.05283	77.491	52.408	67.632
Suspended solids	mg/l	12	20	56.41667	152	43.00	99.00
TOC	mg/l	12	3.289	5.83617	8.96	5.588	8.372
Temperature	°C	12	3.5	14.95833	27	13.50	25.50
Total nitrogen	mg/l	12	2.228	3.97	6.621	3.347	6.354
Total phosphorus	mg/l	12	0.0959	0.32864	0.674	0.3033	0.4534
Total phosphorus, dissolved	mg/l	12	0.0783	0.26408	0.57	0.2258	0.4072
p,p'-DDT	µg/l	9	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.2	7.44583	7.72	7.41	7.23

25.06.2015

Page 183 of

River: Danube **Catchment:** 210250.00 km2 **2013**
Distance from mouth: 1427 **Altitude:** 83 m **RS1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.6	3.11667	3.53	3.17	3.42
Aluminium (Al)	µg/l	11	175.2	544.28182	1662	407.20	819.00
Aluminium (Al), dissolved	µg/l	12	< 5	14.475	32.4	15.00	20.90
Ammonium (NH4-N)	mg/l	12	< 0.005	0.04375	0.11	0.03	0.09
Anionic active surfactants	mg/l	12	< 0.005	0.01175	0.028	0.01	0.025
Arsenic (As)	µg/l	11	1	1.31818	1.7	1.30	1.60
Arsenic (As), dissolved	µg/l	11	0.6	1.00909	1.6	0.90	1.50
Atrazine	µg/l	12	< 0.0005	0.00142	0.006	0.0005	0.006
BOD (5)	mg/l	12	1	1.85	3.4	1.50	3.00
COD (Cr)	mg/l	12	9	10.93333	14	10.00	13.00
COD (Mn)	mg/l	12	3.6	4.625	5.5	4.70	5.30
Cadmium (Cd)	µg/l	11	< 0.01	0.03273	0.07	0.04	0.06
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.02083	0.04	0.01	0.04
Calcium (Ca++)	mg/l	12	44.5	56.53333	63.8	57.00	62.10
Chloride (Cl-)	mg/l	12	15.2	21.16667	29	19.60	27.90
Chromium (Cr) - total	µg/l	11	< 0.25	1.78636	3.8	1.60	2.80
Chromium (Cr), total	µg/l	12	< 0.25	0.6125	2	0.25	1.70
Conductivity	µS/cm	12	363	421.25	524	404.00	496.00
Copper (Cu)	µg/l	11	7.6	25.70909	91.5	15.50	39.40
Copper (Cu), dissolved	µg/l	12	< 0.5	6.775	26.1	2.80	19.80
Dissolved oxygen	mg/l	12	8.2	10.64167	12.5	10.00	8.70
Iron (Fe)	mg/l	11	0.1997	0.8485	2.206	0.6866	1.437
Lead (Pb)	µg/l	11	0.8	1.69091	3.4	1.40	2.40
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	12	9.8	13.2	17.7	12.80	17.20
Manganese (Mn)	mg/l	11	0.0165	0.04845	0.0752	0.0449	0.0676

Mercury (Hg)	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	11	2.6	46.10909	142.1	37.20	95.40
Nickel (Ni), dissolved	µg/l	10	< 0.25	8.115	36.8	36.80	36.80
Nitrate (NO3-N)	mg/l	12	0.65	1.95417	3.03	1.66	2.64
Nitrite (NO2-N)	mg/l	12	0.008	0.01508	0.026	0.013	0.023
Organic nitrogen	mg/l	11	< 0.1	0.34136	0.677	0.334	0.642
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.03858	0.056	0.038	0.056
Petroleum hydrocarbons	mg/l	11	0.012	0.02691	0.038	0.028	0.038
Phenol index	mg/l	12	< 0.0005	0.00083	0.003	0.0005	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.5	8.09182	38.9	5.90	14.80

25.06.2015

Page 184 of

River: Danube **Catchment:** 210250.00 km2 **2013**
Distance from mouth: 1427 **Altitude:** 83 m **RS1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Potassium (K+)	mg/l	12	1.7	2.61667	3.3	2.60	3.10
Silicates(SiO2), dissolved	mg/l	11	1.6	6.25455	9.8	6.60	7.90
Sodium (Na+)	mg/l	12	9.6	12.90833	18.5	12.70	15.80
Sulphate (SO4--)	mg/l	12	26	34.41667	48	34.00	40.00
Suspended solids	mg/l	12	8	42.66667	90	31.00	80.00
TOC	mg/l	11	2.81	3.82636	6.3	3.37	5.00
Temperature	°C	12	3.6	12.13333	27	12.00	20.30
Total nitrogen	mg/l	11	1.13	2.33	3.82	2.18	3.23
Total phosphorus	mg/l	12	0.089	0.18825	0.93	0.11	0.209
Zinc (Zn)	µg/l	11	15.8	95.63636	308.8	75.80	243.70
Zinc (Zn), dissolved	µg/l	12	4	39.61667	157.9	12.80	96.60
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	12	7.95	8.1425	8.4	8.11	7.97

Nitrite (NO2-N)	mg/l	12	0.012	0.01933	0.034	0.019	0.026
Organic nitrogen	mg/l	12	< 0.1	0.32433	0.673	0.27	0.623
Orthophosphate (PO4-P)	mg/l	12	0.016	0.04	0.061	0.036	0.056
Petroleum hydrocarbons	mg/l	11	< 0.005	0.02191	0.037	0.018	0.036
Phenol index	mg/l	12	< 0.0005	0.00133	0.004	0.0005	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	17.45833	53.3	14.20	33.20
Potassium (K+)	mg/l	12	2.5	3.76667	4.4	3.70	4.40
Silicates(SiO2), dissolved	mg/l	12	6	9.28333	12.7	9.80	11.30
Sodium (Na+)	mg/l	12	10.8	27.11667	39.2	28.30	36.20
Sulphate (SO4--)	mg/l	12	30	45	59	46.00	56.00
Suspended solids	mg/l	12	< 0.5	39.45833	189	10.00	80.00
TOC	mg/l	12	2.95	4.5625	7.59	4.33	6.13
Temperature	°C	12	1	13.38333	26.5	11.50	24.20
Total nitrogen	mg/l	12	0.583	1.47375	2.38	1.32	2.25
Total phosphorus	mg/l	12	0.074	0.12033	0.19	0.11	0.159
Zinc (Zn), dissolved	µg/l	12	3	23.9675	84.3	6.40	76.40

25.06.2015

Page 186 of

River: Tisa **Catchment:** 140130.00 km2 **2013**
Distance from mouth: 152 **Altitude:** 76 m **RS10**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	12	7.6	7.99083	8.28	7.95	7.83

25.06.2015

Page 187 of

River: Tisa **Catchment:** 145415.00 km2 **2013**
Distance from mouth: 66 **Altitude:** 74 m **RS11**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.93	2.55333	2.88	2.69	2.82
Aluminium (Al)	µg/l	10	47.7	687.12	3786	3786.00	3786.00
Ammonium (NH4-N)	mg/l	12	< 0.005	0.08375	0.23	0.06	0.20
Anionic active surfactants	mg/l	5	0.012	0.0252	0.047	0.047	0.047
Arsenic (As)	µg/l	10	1.1	2.25	3.4	3.40	3.40
Atrazine	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
BOD (5)	mg/l	12	1	1.625	3.6	1.40	2.20
COD (Cr)	mg/l	12	< 2.5	11.54167	20	11.00	18.00
COD (Mn)	mg/l	12	2.9	4.675	7.7	3.80	6.60
Cadmium (Cd)	µg/l	10	< 0.01	0.082	0.37	0.37	0.37
Calcium (Ca++)	mg/l	12	36.5	45.95	54.4	46.90	48.70
Chloride (Cl-)	mg/l	12	17.6	29.725	39	29.90	36.30
Chromium (Cr) - total	µg/l	10	< 0.25	4.885	25.8	25.80	25.80
Conductivity	µS/cm	12	332	425.33333	563	423.00	454.00
Copper (Cu)	µg/l	10	7	21.78	71.9	71.90	71.90
Dissolved oxygen	mg/l	12	6.8	9.3275	13.1	8.10	7.00
Iron (Fe)	mg/l	10	0.0864	1.19969	6.479	6.479	6.479
Lead (Pb)	µg/l	10	< 0.25	2.465	12.7	12.70	12.70
Lindane (gama-HCH)	µg/l	3	< 0.0005	< 0.0005	< 0.0005		
Magnesium (Mg++)	mg/l	12	7.2	9.91667	12	10.10	11.10
Manganese (Mn)	mg/l	10	0.0226	0.06744	0.2085	0.2085	0.2085
Mercury (Hg)	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	10	1.9	24.01	96.1	96.10	96.10
Nitrate (NO3-N)	mg/l	12	0.27	1.0975	1.77	1.01	1.66
Nitrite (NO2-N)	mg/l	12	0.014	0.02183	0.034	0.02	0.028
Organic nitrogen	mg/l	11	< 0.1	0.536	1.24	0.399	1.212
Orthophosphate (PO4-P)	mg/l	12	0.023	0.04625	0.09	0.045	0.058
Petroleum hydrocarbons	mg/l	4	0.018	0.022	0.032	0.032	0.032
Phenol index	mg/l	4	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	15.8	15.8	15.8		
Potassium (K+)	mg/l	12	3.3	3.9	4.3	3.90	4.20
Silicates(SiO2), dissolved	mg/l	12	3.9	8.01667	13.1	8.50	9.80
Sodium (Na+)	mg/l	12	18.1	27.59167	35.6	30.20	35.30
Sulphate (SO4--)	mg/l	12	30	42.66667	60	40.00	56.00
Suspended solids	mg/l	12	5	37.25	168	20.00	64.00
TOC	mg/l	11	3.03	4.18636	7.2	4.23	4.52
Temperature	°C	12	1.4	13.05833	27.4	14.20	23.20
Total nitrogen	mg/l	11	0.996	1.76509	2.33	1.67	2.31

25.06.2015

Page 188 of

River: Tisa **Catchment:** 145415.00 km2 **2013**
Distance from mouth: 66 **Altitude:** 74 m **RS11**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
------------------	------	---	-----	------	-----	-----	-----

Total phosphorus	mg/l	12	0.05	0.114	0.213	0.101	0.188
Zinc (Zn)	µg/l	10	15.2	88.78	341	341.00	341.00
p,p'-DDT	µg/l	3	< 0.0005	< 0.0005	< 0.0005		
pH	-	12	7.65	7.995	8.22	7.98	7.80

25.06.2015

Page 189 of

River: Tisa **Catchment:** 157147.00 km2 **2013**
Distance from mouth: 9 **Altitude:** 73 m **RS12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.81	2.505	2.92	2.63	2.87
Aluminium (Al)	µg/l	10	128.5	695.99	2864	2864.00	2864.00
Ammonium (NH4-N)	mg/l	12	0.02	0.12333	0.32	0.09	0.25
Anionic active surfactants	mg/l	4	0.015	0.022	0.03	0.03	0.03
Arsenic (As)	µg/l	10	1.5	2.38	3.9	3.90	3.90
Atrazine	µg/l	1	< 0.0005	< 0.0005	< 0.0005		
BOD (5)	mg/l	12	1.1	1.86667	2.8	1.70	2.80
COD (Cr)	mg/l	12	8	12.58333	18	11.00	17.00
COD (Mn)	mg/l	12	2.9	4.53333	6.5	4.50	5.80
Cadmium (Cd)	µg/l	10	< 0.01	0.075	0.23	0.23	0.23
Calcium (Ca++)	mg/l	12	36.5	45.81667	53.6	44.60	52.90
Chloride (Cl-)	mg/l	12	15.8	29.025	48	26.30	38.80
Chromium (Cr) - total	µg/l	10	< 0.25	2.07	5.5	5.50	5.50
Conductivity	µS/cm	12	303	406.66667	507	406.00	456.00
Copper (Cu)	µg/l	10	5.4	43.03	138.2	138.20	138.20
Dissolved oxygen	mg/l	12	6.7	9.93333	13.2	9.20	7.60
Iron (Fe)	mg/l	10	0.2319	1.22043	4.887	4.887	4.887
Lead (Pb)	µg/l	10	< 0.25	2.595	9.5	9.50	9.50

River: Sava **Catchment:** 64073.00 km2 **2013**
Distance from mouth: 195 **Altitude:** 78 m **RS13**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3	3.39909	3.72	3.40	3.66
Aluminium (Al)	µg/l	11	< 5	237.97273	594.7	199.70	557.80
Ammonium (NH4-N)	mg/l	11	0.02	0.11182	0.21	0.12	0.19
Anionic active surfactants	mg/l	9	< 0.005	0.00556	0.01	0.01	0.01
Arsenic (As)	µg/l	11	< 0.25	0.50455	1	0.50	0.90
Atrazine	µg/l	6	< 0.0005	0.00592	0.015	0.015	0.015
BOD (5)	mg/l	11	1.01	1.58909	2.89	1.49	1.90
COD (Cr)	mg/l	10	< 2.5	7.98	15	15.00	15.00
COD (Mn)	mg/l	11	1.89	3.05545	4.42	2.96	4.27
Cadmium (Cd)	µg/l	11	< 0.01	0.03182	0.13	0.02	0.05
Calcium (Ca++)	mg/l	11	48	64.01818	76.1	64.00	75.00
Chloride (Cl-)	mg/l	11	7.59	15.42727	31.7	14.60	23.80
Chromium (Cr) - total	µg/l	11	< 0.25	3.8	12.6	3.90	5.00
Conductivity	µS/cm	11	338	412.72727	507	390.00	505.00
Copper (Cu)	µg/l	11	< 0.5	4.73636	9.3	5.10	6.90
Dissolved oxygen	mg/l	11	6.68	9.28818	12.16	9.15	7.39
Iron (Fe)	mg/l	11	< 0.005	0.33786	0.8106	0.2248	0.7808
Lead (Pb)	µg/l	11	< 0.25	0.99091	2.3	0.80	2.20
Lindane (gama-HCH)	µg/l	6	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	7.8	12.16545	16	11.60	15.10
Manganese (Mn)	mg/l	11	< 0.005	0.02817	0.0651	0.0293	0.044
Mercury (Hg)	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10

River: Sava **Catchment:** 89490.00 km2 **2013**
Distance from mouth: 103 **Altitude:** 74 m **RS15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.1	3.40273	3.66	3.45	3.60
Aluminium (Al)	µg/l	6	< 5	148.71667	283.7	283.70	283.70
Ammonium (NH4-N)	mg/l	11	0.06	0.11182	0.19	0.09	0.18
Anionic active surfactants	mg/l	9	< 0.005	0.00556	0.01	0.01	0.01
Arsenic (As)	µg/l	6	< 0.25	0.71667	1.3	1.30	1.30
Atrazine	µg/l	5	< 0.0005	0.0039	0.007	0.007	0.007
BOD (5)	mg/l	11	0.81	1.52455	2.09	1.50	2.09
COD (Cr)	mg/l	10	< 2.5	8.11	16	16.00	16.00
COD (Mn)	mg/l	11	1.5	2.95727	4.27	3.00	3.90
Cadmium (Cd)	µg/l	6	< 0.01	0.01667	0.03	0.03	0.03
Calcium (Ca++)	mg/l	11	45.6	61.64545	76.9	60.10	68.80
Chloride (Cl-)	mg/l	11	6.17	14.39727	30.3	13.30	19.50
Chromium (Cr) - total	µg/l	6	< 0.25	1.575	2.9	2.90	2.90
Conductivity	µS/cm	11	320	378.72727	467	360.00	455.00
Copper (Cu)	µg/l	6	< 0.5	3.15	4.7	4.70	4.70
Dissolved oxygen	mg/l	11	7.76	9.59182	12.3	9.92	7.88
Iron (Fe)	mg/l	6	0.0642	0.26628	0.4216	0.4216	0.4216
Lead (Pb)	µg/l	6	< 0.25	0.78333	1.6	1.60	1.60
Lindane (gama-HCH)	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	5.3	10.96818	13.6	11.70	13.10
Manganese (Mn)	mg/l	6	0.0137	0.02707	0.0556	0.0556	0.0556
Mercury (Hg)	µg/l	6	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	6	1	1.51667	2.5	2.50	2.50
Nitrate (NO3-N)	mg/l	11	0.2	0.49091	1	0.50	0.60
Nitrite (NO2-N)	mg/l	11	0.005	0.01245	0.025	0.012	0.018
Organic nitrogen	mg/l	11	< 0.1	0.48409	1.348	0.29	1.083
Orthophosphate (PO4-P)	mg/l	11	0.016	0.03918	0.073	0.031	0.061
Petroleum hydrocarbons	mg/l	6	< 0.005	0.00967	0.019	0.019	0.019
Phenol index	mg/l	6	< 0.0005	< 0.00058	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	3	3.7	7.3	12.8		
Potassium (K+)	mg/l	3	0.5	0.96667	1.4		
Silicates(SiO2), dissolved	mg/l	7	2.6	7.35714	20.3	20.30	20.30
Sodium (Na+)	mg/l	4	4.6	7.1	10.9	10.90	10.90
Sulphate (SO4--)	mg/l	11	10	16.36364	25	17.00	22.00
Suspended solids	mg/l	11	2	11.63636	32	7.00	27.00
TOC	mg/l	11	2.05	3.35	6.31	3.03	4.94
Temperature	°C	11	3.8	13.16364	27.8	11.90	22.30
Total nitrogen	mg/l	11	0.529	1.096	2.02	0.99	1.43

25.06.2015

Page 194 of

River: Sava **Catchment:** 89490.00 km2 **2013**
Distance from mouth: 103 **Altitude:** 74 m **RS15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	11	0.035	0.07036	0.105	0.078	0.095
Zinc (Zn)	µg/l	6	4.8	9.28333	16.8	16.80	16.80
p,p'-DDT	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	11	7.82	8.06273	8.51	8.10	7.90

25.06.2015

Page 195 of

River: Sava **Catchment:** 37320.00 km2 **2013**
Distance from mouth: 17 **Altitude:** 0 m **RS16**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.91	3.26917	3.73	3.14	3.60
Aluminium (Al)	µg/l	11	< 5	358.14545	1474	232.20	993.70
Ammonium (NH4-N)	mg/l	12	< 0.005	0.06583	0.26	0.05	0.09
Anionic active surfactants	mg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Arsenic (As)	µg/l	11	< 0.25	0.86364	1.7	0.60	1.70
Atrazine	µg/l	6	< 0.002	0.00833	0.025	0.025	0.025
BOD (5)	mg/l	10	0.51	1.489	2.32	2.32	2.32
COD (Cr)	mg/l	9	< 2.5	6.46667	13.6	13.60	13.60
COD (Mn)	mg/l	12	1.82	2.74667	3.54	3.00	3.50
Cadmium (Cd)	µg/l	11	< 0.01	0.03909	0.1	0.03	0.06
Calcium (Ca++)	mg/l	12	56	62.39167	70	62.00	69.00
Chloride (Cl-)	mg/l	12	9	16.74167	26	15.00	25.00
Chromium (Cr) - total	µg/l	11	< 0.25	12.18636	99.3	3.70	9.20
Conductivity	µS/cm	12	311	376.08333	464	378.00	434.00
Copper (Cu)	µg/l	11	< 0.5	8.06364	17.7	7.80	15.30
Dissolved oxygen	mg/l	12	7.08	9.3875	12.24	8.45	7.55
Iron (Fe)	mg/l	11	< 0.005	0.46229	2.18	0.3849	0.7345

Lead (Pb)	µg/l	11	< 0.25	1.68636	5	0.80	3.70
Lindane (gama-HCH)	µg/l	6	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	12	3	9.30833	14.6	9.00	12.60
Manganese (Mn)	mg/l	11	< 0.005	0.02903	0.0563	0.0233	0.0562
Mercury (Hg)	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	11	0.8	3.76364	13.5	1.40	9.20
Nitrate (NO3-N)	mg/l	12	< 0.015	0.41542	1.17	0.13	1.01
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.01104	0.034	0.007	0.02
Organic nitrogen	mg/l	11	< 0.1	1.04455	4.105	0.807	1.444
Orthophosphate (PO4-P)	mg/l	11	< 0.0025	0.02482	0.063	0.02	0.046
Petroleum hydrocarbons	mg/l	5	< 0.005	0.0114	0.019	0.019	0.019
Phenol index	mg/l	6	< 0.0005	0.00117	0.002	0.002	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	5	1.7	5.92	13	13.00	13.00
Potassium (K+)	mg/l	7	0.5	0.92857	1.2	1.20	1.20
Silicates(SiO2), dissolved	mg/l	7	3.2	4.27143	5.8	5.80	5.80
Sodium (Na+)	mg/l	7	4.5	8.01429	11.7	11.70	11.70
Sulphate (SO4--)	mg/l	12	12	17.33333	25	16.00	21.00
Suspended solids	mg/l	12	3	16.33333	55	10.00	24.00
TOC	mg/l	11	1.84	3.43618	4.77	3.41	4.56
Temperature	°C	12	5.2	15.025	27.5	14.80	24.30
Total nitrogen	mg/l	11	< 0.05	1.45227	4.221	1.34	1.85

25.06.2015

Page 196 of

River: Sava **Catchment:** 37320.00 km2 **2013**
Distance from mouth: 17 **Altitude:** 0 m **RS16**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	11	0.033	0.08973	0.345	0.07	0.095
Zinc (Zn)	µg/l	11	2.8	22.62727	55	11.50	47.40
p,p'-DDT	µg/l	6	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	12	7.9	8.05083	8.29	8.00	7.94

River: Velika Morava **Catchment:** 37320.00 km2 **2013**
Distance from mouth: 35 **Altitude:** 75 m **RS17**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.42	3.49833	4.08	3.56	3.90
Aluminium (Al)	µg/l	11	17.6	375.59091	1217	239.30	1022.00
Ammonium (NH4-N)	mg/l	12	0.02	0.14583	0.4	0.12	0.28
Anionic active surfactants	mg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
Arsenic (As)	µg/l	11	1	11.87273	89.6	3.90	9.00
Atrazine	µg/l	5	< 0.0005	0.0015	0.004	0.004	0.004
BOD (5)	mg/l	11	1.13	2.39182	3.95	2.50	3.50
COD (Cr)	mg/l	9	6	10.45556	16	16.00	16.00
COD (Mn)	mg/l	12	2.4	4.06833	6.04	3.80	5.40
Cadmium (Cd)	µg/l	11	< 0.01	0.23091	1.36	0.05	0.41
Calcium (Ca++)	mg/l	12	43.2	56.775	70.4	53.70	69.60
Chloride (Cl-)	mg/l	12	6.16	13.58	21	13.20	20.80
Chromium (Cr) - total	µg/l	11	< 0.25	5.77273	19.5	3.30	10.90
Conductivity	µS/cm	12	350	434.16667	564	429.00	459.00
Copper (Cu)	µg/l	11	< 0.5	7.9	18.9	6.10	18.10
Dissolved oxygen	mg/l	12	3.7	9.545	12.13	9.50	8.28
Iron (Fe)	mg/l	11	< 0.005	0.65893	2.192	0.4325	1.525
Lead (Pb)	µg/l	11	< 0.25	3.85	10.5	4.30	8.90
Lindane (gama-HCH)	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	12	14	19.13333	25.2	18.90	22.30
Manganese (Mn)	mg/l	11	0.0242	0.09714	0.3645	0.073	0.1768
Mercury (Hg)	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10

Nickel (Ni)	µg/l	11	2.2	8.20909	24.7	7.00	12.30
Nitrate (NO3-N)	mg/l	12	0.2	0.925	2.3	0.70	1.60
Nitrite (NO2-N)	mg/l	12	0.012	0.02975	0.053	0.029	0.047
Organic nitrogen	mg/l	12	0.366	1.09742	2.565	0.926	1.501
Orthophosphate (PO4-P)	mg/l	12	0.019	0.06767	0.118	0.067	0.102
Petroleum hydrocarbons	mg/l	11	< 0.005	0.01127	0.025	0.005	0.023
Phenol index	mg/l	11	< 0.0005	0.00123	0.002	0.001	0.002
Potassium (K+)	mg/l	5	2	2.7	3.5	3.50	3.50
Silicates(SiO2), dissolved	mg/l	7	0.7	5.87143	11.9	11.90	11.90
Sodium (Na+)	mg/l	5	8.8	12.88	18	18.00	18.00
Sulphate (SO4--)	mg/l	12	28	35.83333	48	34.00	43.00
Suspended solids	mg/l	12	1	20.08333	62	12.00	42.00
TOC	mg/l	12	3.29	6.00917	18.1	4.90	8.96
Temperature	°C	12	2.8	13.34167	25.6	10.60	23.40
Total nitrogen	mg/l	12	1.29	2.198	3.2	2.17	3.14
Total phosphorus	mg/l	12	0.037	0.163	0.595	0.125	0.189

25.06.2015

Page 198 of

River: Velika Morava **Catchment:** 37320.00 km2 **2013**
Distance from mouth: 35 **Altitude:** 75 m **RS17**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	11	1.4	23.17273	67.3	17.00	41.60
p,p'-DDT	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	12	7.79	8.07917	8.4	8.04	7.94

25.06.2015

Page 199 of

River: Danube **Catchment:** 251253.00 km2 **2013**
Distance from mouth: 1367 **Altitude:** 80 m **RS2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.6	3.11667	3.44	3.22	3.40
Aluminium (Al)	µg/l	4	166.3	514.4	870.6	870.60	870.60
Ammonium (NH4-N)	mg/l	12	< 0.005	0.06125	0.26	0.04	0.09
Anionic active surfactants	mg/l	1	0.026	0.026	0.026		
Arsenic (As)	µg/l	4	0.9	1.375	2.1	2.10	2.10
Atrazine	µg/l	2	< 0.0005	0.00175	0.003		
BOD (5)	mg/l	12	1	1.9	4	1.70	2.70
COD (Cr)	mg/l	12	7	10.41667	14	10.00	14.00
COD (Mn)	mg/l	12	3.5	4.65833	7.7	4.30	5.10
Cadmium (Cd)	µg/l	4	< 0.01	0.0175	0.03	0.03	0.03
Calcium (Ca++)	mg/l	12	44.7	54.60833	61.4	56.10	60.70
Chloride (Cl-)	mg/l	12	11.2	20.1	29.6	19.20	27.00
Chromium (Cr) - total	µg/l	4	0.7	1.15	1.6	1.60	1.60
Conductivity	µS/cm	12	322	416.33333	490	411.00	480.00
Copper (Cu)	µg/l	4	8.1	39.55	83.3	83.30	83.30
Dissolved oxygen	mg/l	12	8	10.59167	12.8	9.80	8.70
Iron (Fe)	mg/l	4	0.2927	0.8257	1.406	1.406	1.406
Lead (Pb)	µg/l	4	0.6	1.85	3.9	3.90	3.90
Lindane (gama-HCH)	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
Magnesium (Mg++)	mg/l	12	9.9	13.13333	15.7	13.80	15.70
Manganese (Mn)	mg/l	4	0.0222	0.04623	0.0588	0.0588	0.0588
Mercury (Hg)	µg/l	4	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	4	16.9	40.475	74.3	74.30	74.30
Nitrate (NO3-N)	mg/l	12	0.71	1.8275	2.79	1.56	2.54
Nitrite (NO2-N)	mg/l	12	0.007	0.01608	0.032	0.015	0.025
Organic nitrogen	mg/l	11	< 0.1	0.59909	1.943	0.425	1.10
Orthophosphate (PO4-P)	mg/l	12	0.015	0.04917	0.07	0.046	0.069
Petroleum hydrocarbons	mg/l	3	0.014	0.019	0.024		
Phenol index	mg/l	1	< 0.0005	< 0.0005	< 0.0005		
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	22	22	22		
Potassium (K+)	mg/l	12	2.1	2.6	3.3	2.60	3.00
Silicates(SiO2), dissolved	mg/l	12	3.1	7.23333	10.3	7.30	9.50
Sodium (Na+)	mg/l	12	5.7	13.16667	18.5	12.70	17.50
Sulphate (SO4--)	mg/l	12	24	32.91667	39	35.00	38.00
Suspended solids	mg/l	12	9	42	81	34.00	67.00
TOC	mg/l	11	2.48	5.21545	12.74	4.60	6.24
Temperature	°C	12	3.6	11.875	27.8	12.40	19.80
Total nitrogen	mg/l	11	1.104	2.48627	4.055	2.19	3.57

25.06.2015

Page 200 of

River: Danube **Catchment:** 251253.00 km2 **2013**
Distance from mouth: 1367 **Altitude:** 80 m **RS2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.087	0.12867	0.195	0.109	0.184
Zinc (Zn)	µg/l	4	40.2	94.875	172.2	172.20	172.20
p,p'-DDT	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
pH	-	12	7.85	8.1975	8.4	8.23	7.91

25.06.2015

Page 201 of

River: Danube **Catchment:** 254085.00 km2 **2013**
Distance from mouth: 1258 **Altitude:** 75 m **RS3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.67	3.08333	3.62	3.06	3.31
Aluminium (Al)	µg/l	10	68	261.08	631.2	631.20	631.20
Ammonium (NH4-N)	mg/l	12	0.03	0.05917	0.13	0.05	0.12
Anionic active surfactants	mg/l	4	0.01	0.01375	0.015	0.015	0.015
Arsenic (As)	µg/l	10	0.5	1.21	1.8	1.80	1.80
Atrazine	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
BOD (5)	mg/l	12	1.4	2.40833	3.1	2.30	3.10
COD (Cr)	mg/l	11	6	9.54545	16	10.00	12.00
COD (Mn)	mg/l	12	2.6	3.79167	4.9	3.70	4.70
Cadmium (Cd)	µg/l	10	< 0.01	0.03	0.12	0.12	0.12
Calcium (Ca++)	mg/l	12	46	54.96667	64.5	55.60	62.30
Chloride (Cl-)	mg/l	12	15	19.85833	27.9	18.70	25.60
Chromium (Cr) - total	µg/l	10	< 0.25	1.175	2.6	2.60	2.60
Conductivity	µS/cm	12	361	411.25	485	403.00	477.00
Copper (Cu)	µg/l	10	3	6.01	14.3	14.30	14.30
Dissolved oxygen	mg/l	12	6.6	9.90833	12.8	9.30	7.80
Iron (Fe)	mg/l	10	0.13	0.44924	1.069	1.069	1.069

Lead (Pb)	µg/l	10	< 0.25	0.89	1.9	1.90	1.90
Lindane (gama-HCH)	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
Magnesium (Mg++)	mg/l	12	7.9	12.425	18.6	11.90	15.70
Manganese (Mn)	mg/l	10	0.0147	0.03013	0.0577	0.0577	0.0577
Mercury (Hg)	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	10	0.8	1.48	2.4	2.40	2.40
Nitrate (NO3-N)	mg/l	12	0.61	1.73833	2.99	1.69	2.88
Nitrite (NO2-N)	mg/l	12	0.01	0.01683	0.049	0.014	0.021
Organic nitrogen	mg/l	11	< 0.1	0.35573	0.879	0.298	0.818
Orthophosphate (PO4-P)	mg/l	12	0.014	0.04558	0.083	0.051	0.063
Petroleum hydrocarbons	mg/l	4	< 0.005	0.012	0.019	0.019	0.019
Phenol index	mg/l	4	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Potassium (K+)	mg/l	12	2	2.6	3.2	2.50	2.90
Silicates(SiO2), dissolved	mg/l	12	1.1	5.84167	8.4	6.30	8.20
Sodium (Na+)	mg/l	12	10.8	13.89167	17.9	13.60	16.00
Sulphate (SO4--)	mg/l	12	25	34.66667	54	35.00	41.00
Suspended solids	mg/l	12	10	26.5	81	17.00	43.00
TOC	mg/l	11	2.76	4.57909	12.74	3.38	6.33
Temperature	°C	12	3.2	13.26667	26.4	13.40	25.40
Total nitrogen	mg/l	11	0.769	2.12618	3.48	1.96	3.40
Total phosphorus	mg/l	12	0.081	0.10817	0.142	0.092	0.142

25.06.2015

Page 202 of

River: Danube **Catchment:** 254085.00 km2 **2013**
Distance from mouth: 1258 **Altitude:** 75 m **RS3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	10	10.2	14.03	18.1	18.10	18.10
p,p'-DDT	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
pH	-	12	7.93	8.18833	8.3	8.21	8.10

River: Danube **Catchment:** 412762.00 km² **2013**
Distance from mouth: 1174 **Altitude:** 71 m **RS4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.56	3.21417	3.96	3.10	3.71
Aluminium (Al)	µg/l	11	< 5	436.01818	1167	351.10	1113.00
Ammonium (NH ₄ -N)	mg/l	11	< 0.005	0.126	0.28	0.15	0.23
Anionic active surfactants	mg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Arsenic (As)	µg/l	11	< 0.25	13.08636	130.7	1.50	2.00
Atrazine	µg/l	3	0.007	0.012	0.021		
BOD (5)	mg/l	11	1.06	2.04364	3.33	1.77	2.90
COD (Cr)	mg/l	9	< 2.5	6.93333	12	12.00	12.00
COD (Mn)	mg/l	12	2.32	3.49667	5.09	3.20	4.99
Cadmium (Cd)	µg/l	11	< 0.01	0.07091	0.45	0.03	0.09
Calcium (Ca ⁺⁺)	mg/l	12	52	58.28333	75	54.00	66.00
Chloride (Cl ⁻)	mg/l	12	14	20.675	28	20.00	26.00
Chromium (Cr) - total	µg/l	11	0.5	4.93636	12.3	4.20	9.00
Conductivity	µS/cm	3	353	397.66667	445		
Copper (Cu)	µg/l	11	1.1	5.77273	9.5	5.80	9.20
Dissolved oxygen	mg/l	12	6.42	9.28167	12.78	8.48	6.54
Iron (Fe)	mg/l	11	< 0.005	0.64795	1.898	0.6089	1.406
Lead (Pb)	µg/l	11	< 0.25	1.82273	5	1.00	3.80
Lindane (gama-HCH)	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	12	6	11.96667	16.5	12.80	15.00
Manganese (Mn)	mg/l	11	< 0.005	0.03706	0.0698	0.0332	0.0668
Mercury (Hg)	µg/l	11	< 0.1	0.11818	0.3	0.10	0.10

Nickel (Ni)	µg/l	11	< 0.25	2.73182	9.5	2.00	3.90
Nitrate (NO3-N)	mg/l	11	< 0.015	0.77345	2.28	0.177	1.70
Nitrite (NO2-N)	mg/l	11	< 0.0015	0.02086	0.046	0.014	0.044
Organic nitrogen	mg/l	11	< 0.1	1.34136	2.847	1.395	2.346
Orthophosphate (PO4-P)	mg/l	11	< 0.0025	0.03868	0.08	0.04	0.069
Petroleum hydrocarbons	mg/l	11	< 0.005	0.015	0.033	0.014	0.023
Phenol index	mg/l	11	< 0.0005	0.00105	0.003	0.001	0.002
Potassium (K+)	mg/l	7	1.8	2.28571	3.2	3.20	3.20
Silicates(SiO2), dissolved	mg/l	7	0.5	4.8	6.9	6.90	6.90
Sodium (Na+)	mg/l	7	8.3	12.22857	18.8	18.80	18.80
Sulphate (SO4--)	mg/l	12	19	29.08333	37	29.00	36.00
Suspended solids	mg/l	11	4	28.81818	66	30.00	45.00
TOC	mg/l	11	2.99	4.60455	7.88	4.84	5.17
Temperature	°C	12	3.7	14.28333	26.4	13.00	24.30
Total nitrogen	mg/l	11	1.19	2.11955	3.055	1.957	3.04
Total phosphorus	mg/l	11	0.056	0.08973	0.14	0.08	0.13

25.06.2015

Page 204 of

River: Danube **Catchment:** 412762.00 km2 **2013**
Distance from mouth: 1174 **Altitude:** 71 m **RS4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	11	1.6	16.10909	30.6	15.60	27.20
p,p'-DDT	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	12	7.8	8.045	8.3	8.10	7.85

25.06.2015

Page 205 of

River: Danube **Catchment:** 568648.00 km2 **2013**
Distance from mouth: 1076 **Altitude:** 69 m **RS6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.66	2.934	3.3	3.30	3.30
Aluminium (Al)	µg/l	10	41.5	433.36	1773	1773.00	1773.00
Ammonium (NH4-N)	mg/l	10	< 0.005	0.1055	0.16	0.16	0.16
Anionic active surfactants	mg/l	9	< 0.005	0.01956	0.046	0.046	0.046
Arsenic (As)	µg/l	10	0.8	4.44	30.8	30.80	30.80
Atrazine	µg/l	2	< 0.0005	0.00325	0.006		
BOD (5)	mg/l	10	1	1.76	2.9	2.90	2.90
COD (Cr)	mg/l	10	7	10.4	14	14.00	14.00
COD (Mn)	mg/l	10	3.2	4.09	5.5	5.50	5.50
Cadmium (Cd)	µg/l	10	< 0.01	0.487	4.31	4.31	4.31
Calcium (Ca++)	mg/l	10	46	52.81	61.7	61.70	61.70
Chloride (Cl-)	mg/l	10	15.4	20.29	23.8	23.80	23.80
Chromium (Cr) - total	µg/l	10	0.6	2.54	8.4	8.40	8.40
Conductivity	µS/cm	10	354	398.7	442	442.00	442.00
Copper (Cu)	µg/l	10	4.5	7.15	11.6	11.60	11.60
Dissolved oxygen	mg/l	10	7.5	9.543	12.5	7.50	7.50
Iron (Fe)	mg/l	10	0.1241	0.67869	2.335	2.335	2.335
Lead (Pb)	µg/l	10	< 0.25	1.73	5.5	5.50	5.50
Lindane (gama-HCH)	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
Magnesium (Mg++)	mg/l	10	8.7	11.03	13.1	13.10	13.10
Manganese (Mn)	mg/l	10	0.0165	0.04375	0.117	0.117	0.117
Mercury (Hg)	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	10	0.9	8.31	35.5	35.50	35.50
Nitrate (NO3-N)	mg/l	10	0.53	1.446	2.41	2.41	2.41
Nitrite (NO2-N)	mg/l	10	0.009	0.0197	0.051	0.051	0.051
Organic nitrogen	mg/l	10	< 0.1	0.2106	0.489	0.489	0.489
Orthophosphate (PO4-P)	mg/l	10	0.011	0.0395	0.052	0.052	0.052
Petroleum hydrocarbons	mg/l	8	< 0.005	0.02438	0.062	0.062	0.062
Phenol index	mg/l	9	< 0.0005	0.00067	0.002	0.002	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	< 0.5	9.06714	23.7	23.70	23.70
Potassium (K+)	mg/l	10	2.3	2.6	3.1	3.10	3.10
Silicates(SiO2), dissolved	mg/l	10	2.4	6.61	8.6	8.60	8.60
Sodium (Na+)	mg/l	10	10.8	13.48	17.5	17.50	17.50
Sulphate (SO4--)	mg/l	10	24	30.4	40	40.00	40.00
Suspended solids	mg/l	10	6	31.6	87	87.00	87.00
TOC	mg/l	10	2.73	4.271	8.68	8.68	8.68
Temperature	°C	10	3	14.37	26.3	26.30	26.30
Total nitrogen	mg/l	10	0.766	1.7713	2.85	2.85	2.85

25.06.2015

Page 206 of

River: Danube **Catchment:** 568648.00 km2 **2013**
Distance from mouth: 1076 **Altitude:** 69 m **RS6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	10	0.056	0.0969	0.137	0.137	0.137
Zinc (Zn)	µg/l	10	14.2	22.37	48.5	48.50	48.50
p,p'-DDT	µg/l	2	< 0.0005	< 0.0005	< 0.0005		
pH	-	10	7.85	8.038	8.25	7.85	7.85

25.06.2015

Page 207 of

River: Danube **Catchment:** 574307.00 km2 **2013**
Distance from mouth: 954 **Altitude:** 0 m **RS7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.75	3.00818	3.4	3.07	3.15
Aluminium (Al)	µg/l	10	< 5	489.75	2117	2117.00	2117.00
Ammonium (NH4-N)	mg/l	11	0.07	0.15	0.26	0.15	0.22
Anionic active surfactants	mg/l	8	< 0.005	0.0075	0.02	0.02	0.02
Arsenic (As)	µg/l	10	< 0.25	1.535	2.2	2.20	2.20
Atrazine	µg/l	5	< 0.0005	0.0041	0.008	0.008	0.008
BOD (5)	mg/l	11	1	1.77636	2.84	1.69	2.46
COD (Cr)	mg/l	8	< 2.5	7.625	18	18.00	18.00
COD (Mn)	mg/l	11	2.05	2.98364	4.34	3.10	3.80
Cadmium (Cd)	µg/l	10	< 0.01	1.613	15.65	15.65	15.65
Calcium (Ca++)	mg/l	11	52.8	56.77273	60.8	56.00	60.00
Chloride (Cl-)	mg/l	11	< 0.5	15.63636	20.4	16.70	20.30
Chromium (Cr) - total	µg/l	10	0.9	6.34	15.5	15.50	15.50
Conductivity	µS/cm	11	327	381.09091	419	389.00	400.00
Copper (Cu)	µg/l	10	1.7	7.02	14.6	14.60	14.60
Dissolved oxygen	mg/l	11	6.42	8.66364	11.08	8.36	6.73
Iron (Fe)	mg/l	10	< 0.005	0.67278	2.334	2.334	2.334

Lead (Pb)	µg/l	10	< 0.25	2.56	14.7	14.70	14.70
Lindane (gama-HCH)	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	8.7	12.23636	17	12.60	16.50
Manganese (Mn)	mg/l	10	< 0.005	0.03598	0.11	0.11	0.11
Mercury (Hg)	µg/l	10	< 0.1	0.13	0.4	0.40	0.40
Nickel (Ni)	µg/l	10	< 0.25	2.605	7.1	7.10	7.10
Nitrate (NO3-N)	mg/l	11	0.3	0.72727	1.5	0.60	1.30
Nitrite (NO2-N)	mg/l	11	0.009	0.01718	0.055	0.014	0.017
Organic nitrogen	mg/l	11	< 0.1	0.71373	1.376	0.693	1.059
Orthophosphate (PO4-P)	mg/l	11	0.019	0.05182	0.089	0.048	0.087
Petroleum hydrocarbons	mg/l	5	< 0.005	0.0102	0.017	0.017	0.017
Phenol index	mg/l	5	< 0.0005	< 0.0009	< 0.001	0.001	0.001
Potassium (K+)	mg/l	5	1.3	2.02	2.6	2.60	2.60
Silicates(SiO2), dissolved	mg/l	8	1.9	5.5125	8.6	8.60	8.60
Sodium (Na+)	mg/l	5	8.5	12.08	13.9	13.90	13.90
Sulphate (SO4--)	mg/l	10	19	28.2	34	34.00	34.00
Suspended solids	mg/l	11	1	13.63636	50	5.00	27.00
TOC	mg/l	11	2.37	3.86727	5.32	3.83	4.75
Temperature	°C	11	4.6	16.05455	29.9	16.60	24.00
Total nitrogen	mg/l	11	0.907	1.60191	2.33	1.58	2.13
Total phosphorus	mg/l	11	0.055	0.08809	0.16	0.085	0.106

25.06.2015

Page 208 of

River: Danube **Catchment:** 574307.00 km2 **2013**
Distance from mouth: 954 **Altitude:** 0 m **RS7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	10	4.2	15.84	39.6	39.60	39.60
p,p'-DDT	µg/l	5	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	11	7.78	8.05364	8.36	8.02	7.83

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RS8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.78	3.05818	3.3	3.12	3.26
Aluminium (Al)	µg/l	11	< 5	346.3	742.5	310.70	715.90
Aluminium (Al), dissolved	µg/l	2	< 5	16.2	27.4		
Ammonium (NH4-N)	mg/l	2	0.09	0.14	0.19		
Anionic active surfactants	mg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
Arsenic (As)	µg/l	11	0.5	1.49091	2.1	1.60	1.90
Arsenic (As), dissolved	µg/l	2	1.3	1.35	1.4		
Atrazine	µg/l	7	< 0.0005	0.00621	0.01	0.01	0.01
BOD (5)	mg/l	11	1.1	1.63	2.5	1.35	2.50
COD (Cr)	mg/l	10	< 2.5	8.27	13	13.00	13.00
COD (Mn)	mg/l	11	1.97	3.03364	3.82	3.00	3.80
Cadmium (Cd)	µg/l	11	< 0.01	0.05182	0.09	0.06	0.08
Cadmium (Cd), dissolved	µg/l	2	0.03	0.035	0.04		
Calcium (Ca++)	mg/l	11	48.8	57.59091	68	56.60	65.60
Chloride (Cl-)	mg/l	11	14.3	17.46364	21.3	16.80	21.00
Chromium (Cr) - total	µg/l	11	< 0.25	8.87727	48	3.50	14.90
Chromium (Cr), total	µg/l	2	< 0.25	< 0.25	< 0.25		
Conductivity	µS/cm	2	423	424	425		
Copper (Cu)	µg/l	11	1.3	6.91818	15.3	6.70	10.10
Copper (Cu), dissolved	µg/l	2	1.7	2.25	2.8		
Dissolved oxygen	mg/l	11	5.39	8.98	12.32	8.59	6.11
Iron (Fe)	mg/l	11	< 0.005	0.54046	1.353	0.4853	1.271

Lead (Pb)	µg/l	11	< 0.25	1.35	3.3	1.20	2.60
Lead (Pb), dissolved	µg/l	2	< 0.25	< 0.25	< 0.25		
Lindane (gama-HCH)	µg/l	7	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	5.35	12.53182	18.4	12.80	14.50
Manganese (Mn)	mg/l	11	0.0106	0.02953	0.0558	0.0305	0.0535
Mercury (Hg)	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Mercury (Hg), dissolved	µg/l	1	< 0.1	< 0.1	< 0.1		
Nickel (Ni)	µg/l	11	0.8	1.81818	3.3	1.60	2.70
Nickel (Ni), dissolved	µg/l	2	0.9	1.15	1.4		
Nitrate (NO3-N)	mg/l	2	1.1	1.2	1.3		
Nitrite (NO2-N)	mg/l	2	0.017	0.017	0.017		
Organic nitrogen	mg/l	11	0.297	1.01473	3.194	0.813	1.315
Orthophosphate (PO4-P)	mg/l	11	0.038	0.07355	0.108	0.073	0.105
Petroleum hydrocarbons	mg/l	9	< 0.005	0.00989	0.031	0.031	0.031
Phenol index	mg/l	9	< 0.0005	0.00089	0.002	0.002	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	4	2.3	2.625	3.2	3.20	3.20

25.06.2015

Page 210 of

River: Danube **Catchment:** 577085.00 km2 **2013**
Distance from mouth: 851 **Altitude:** 32 m **RS8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Potassium (K+)	mg/l	7	1.4	2.51429	5.5	5.50	5.50
Silicates(SiO2), dissolved	mg/l	8	1.8	5.0875	8.9	8.90	8.90
Sodium (Na+)	mg/l	7	9.9	12.51429	14	14.00	14.00
Sulphate (SO4--)	mg/l	11	17	29.72727	37	30.00	35.00
Suspended solids	mg/l	10	< 0.5	10.65	34	34.00	34.00
TOC	mg/l	11	2.16	3.22	4.05	3.33	3.72
Temperature	°C	11	5.1	15.98182	28.3	15.50	23.80
Total nitrogen	mg/l	11	1.07	1.908	3.5	1.75	2.39
Total phosphorus	mg/l	11	0.063	0.10682	0.223	0.102	0.128
Zinc (Zn)	µg/l	11	4.5	18.47273	63.4	17.00	23.70
Zinc (Zn), dissolved	µg/l	2	7.6	13.85	20.1		
p,p'-DDT	µg/l	7	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
pH	-	11	7.42	7.96	8.48	8.00	7.63

Nickel (Ni), dissolved	µg/l	12	< 0.5	0.70833	1.9	0.50	1.10
Nitrate (NO3-N)	mg/l	26	0.701	1.06823	1.898	0.994	1.605
Nitrite (NO2-N)	mg/l	26	0.004	0.00823	0.016	0.008	0.013
Orthophosphate (PO4-P)	mg/l	26	< 0.005	0.00696	0.021	0.005	0.014
Potassium (K+)	mg/l	12	1.2	1.85833	2.6	1.70	2.60
Sodium (Na+)	mg/l	12	3.4	5.90833	12	5.10	8.10
Sulphate (SO4--)	mg/l	12	17	21.58333	28	20.00	26.00
Suspended solids	mg/l	26	2	17.40385	43	18.00	31.00
TOC	mg/l	12	0.5	1.15	2.6	1.00	1.50
Temperature	°C	26	2.3	11.53846	23.2	12.30	20.10
Total nitrogen	mg/l	26	0.71	1.28192	2.52	1.20	1.93
Total phosphorus	mg/l	26	0.011	0.04358	0.138	0.037	0.08
Zinc (Zn), dissolved	µg/l	12	< 5	5.5	11	5.00	5.00
p,p'-DDT	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
pH	-	26	7.9	8.2	8.4	8.20	8.00

25.06.2015

Page 212 of

River: Sava **Catchment:** 10878.00 km2 **2013**
Distance from mouth: 729 **Altitude:** 135 m **SI2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	12	5	18.05833	35	19.00	32.00
Ammonium (NH4-N)	mg/l	26	0.012	0.03465	0.069	0.033	0.054
Anionic active surfactants	mg/l	4	< 0.035	< 0.035	< 0.035	0.035	0.035
Arsenic (As), dissolved	µg/l	12	0.19	0.38083	0.83	0.31	0.59
Atrazine	µg/l	4	< 0.0045	< 0.0045	< 0.0045	0.0045	0.0045
BOD (5)	mg/l	26	< 0.25	0.94	2.5	0.80	1.60
COD (Cr)	mg/l	12	< 2.5	4.01667	11	2.50	6.50
Cadmium (Cd), dissolved	µg/l	12	< 0.01	0.01083	0.02	0.01	0.01
Calcium (Ca++)	mg/l	12	53	59.83333	67	59.00	65.00
Chloride (Cl-)	mg/l	12	5.11	8.49	13.9	7.61	11.10
Chromium (Cr), total	µg/l	12	< 0.2	0.41167	1.1	0.20	0.67
Conductivity	µS/cm	26	284	356.73077	420	362.00	381.00
Copper (Cu), dissolved	µg/l	12	0.35	0.92333	3	0.72	1.20
Dissolved oxygen	mg/l	26	7.8	10.58462	13	10.60	8.30
Flow	m3/s	365	68	345.33151	1554	248.00	732.00
Lead (Pb), dissolved	µg/l	12	< 0.05	0.305	1.8	0.05	1.10
Lindane (gama-HCH)	µg/l	4	< 0.00025	< 0.00025	< 0.00025	0.0002	0.0002
Macrozoobenthos - number of families	-	1	12	12	12		
Macrozoobenthos no. of taxa	-	1	18	18	18		
Macrozoobenthos sapr. index	-	1	2.11	2.11	2.11		
Magnesium (Mg++)	mg/l	12	11	13.25	17	13.00	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075	0.0075	0.0075
Nickel (Ni), dissolved	µg/l	12	0.7	1.37083	4	1.10	1.80
Nitrate (NO3-N)	mg/l	26	0.956	1.43335	1.871	1.399	1.724
Nitrite (NO2-N)	mg/l	26	0.006	0.01531	0.034	0.015	0.023
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.03467	0.127	0.032	0.062
Potassium (K+)	mg/l	12	0.74	1.16167	1.8	1.10	1.50

Sodium (Na+)	mg/l	12	3.6	5.525	8	5.10	7.60
Sulphate (SO4--)	mg/l	12	8.12	11.85333	18	11.20	17.30
Suspended solids	mg/l	26	< 1	4.76538	11	4.60	9.70
TOC	mg/l	12	0.98	1.49917	2.09	1.49	1.82
Temperature	°C	26	4.8	13.22692	24.3	13.30	23.70
Total nitrogen	mg/l	26	1.1	1.45769	1.9	1.50	1.80
Total phosphorus	mg/l	26	0.028	0.05754	0.16	0.046	0.091
Zinc (Zn), dissolved	µg/l	12	< 4.5	7.16667	22	4.50	19.00
p,p'-DDT	µg/l	4	< 0.0004	< 0.0004	< 0.0004	0.0004	0.0004
pH	-	26	7.97	8.16423	8.35	8.15	8.04

25.06.2015

Page 213 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	12.49167	22.4	13.60	18.80
Alkalinity - total	mmol/l	12	2.8	3.17083	3.66	3.05	3.49
Ammonium (NH4-N)	mg/l	25	< 0.01	0.036	0.1	0.02	0.08
Anionic active surfactants	mg/l	12	< 0.015	0.01875	0.03	0.015	0.03
Arsenic (As), dissolved	µg/l	12	< 0.5	0.8325	1.52	0.50	1.33
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	25	1.1	1.98	2.9	1.90	2.90
COD (Cr)	mg/l	12	5.6	11.55833	26.5	10.90	16.90
COD (Mn)	mg/l	10	1.5	2.71	5.2	5.20	5.20
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	49	57.33333	67.6	55.30	65.70
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13.1	18.70833	31.4	17.50	26.40
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	342	426.08333	535	402	525
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	8.7	11.225	14.7	10.50	9.20
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gamma-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.8	13.15	16.3	12.60	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.61667	1.9	0.50	0.50
Nitrate (NO3-N)	mg/l	25	1.14	2.116	3.98	1.82	3.12
Nitrite (NO2-N)	mg/l	25	0.005	0.01392	0.029	0.013	0.027
Organic nitrogen	mg/l	12	< 0.1	0.3375	0.69	0.35	0.55
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0462	0.09	0.04	0.07
Petroleum hydrocarbons	mg/l	12	< 0.01	0.02167	0.04	0.02	0.04
Phenol index	mg/l	12	< 0.003	0.00333	0.007	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	9.3	18.33333	24	24.00	24.00
Potassium (K+)	mg/l	12	1.8	2.76667	4.4	2.70	3.60
Sodium (Na+)	mg/l	12	9	13.45	19.9	12.20	18.30

Sulphate (SO4--)	mg/l	12	15.1	30.64167	48.6	28.50	39.60
Suspended solids	mg/l	25	9	49.84	344	21.00	140.00
TOC	mg/l	12	2	2.94167	4.8	2.60	4.00
Temperature	°C	12	3.7	11.26667	23.1	9.10	20.10
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	25	1.64	2.4476	4.18	2.18	3.47

25.06.2015

Page 214 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	25	0.04	0.0984	0.2	0.10	0.15
Total phosphorus, dissolved	mg/l	25	< 0.015	0.0566	0.11	0.06	0.08
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00492	0.017	0.001	0.012
pH	-	12	7.92	8.16167	8.43	8.15	7.94

25.06.2015

Page 215 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	< 5	9.31667	18.2	18.20	18.20

Alkalinity - total	mmol/l	12	2.8	3.21333	3.68	3.12	3.62
Aluminium (Al), dissolved	µg/l	2	14	99	184		
Ammonium (NH4-N)	mg/l	25	< 0.01	0.0312	0.1	0.02	0.08
Anionic active surfactants	mg/l	6	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.69583	1.44	0.50	1.21
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	25	0.9	1.984	3.8	1.90	2.90
COD (Cr)	mg/l	12	6	12.125	27.2	10.20	17.30
Cadmium (Cd)	µg/l	12	< 0.05	0.06333	0.21	0.05	0.05
Cadmium (Cd), dissolved	µg/l	13	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	47	57.15	67.3	54.80	66.80
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	12.2	17.51667	30.1	15.10	24.50
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	13	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	335	414.75	528	394	497
Copper (Cu), dissolved	µg/l	13	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	8.7	11.05	14.2	10.50	8.80
Flow	m3/s	365	1121.042	2417.2793	10500.417	1969.125	3832.25
Iron (Fe)	mg/l	12	0.12	1.5345	10.9	0.61	1.59
Lead (Pb)	µg/l	12	< 0.5	2.55833	13.6	1.20	4.50
Lead (Pb), dissolved	µg/l	13	< 0.5	0.54615	1.1	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.3	12.85833	15.6	12.40	15.60
Manganese (Mn)	mg/l	12	< 0.0025	0.084	0.424	0.046	0.139
Mercury (Hg)	µg/l	10	< 0.025	< 0.025	< 0.025	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	< 0.5	2.7	13.3	1.30	6.60
Nickel (Ni), dissolved	µg/l	13	< 0.5	0.66154	2	0.50	1.10
Nitrate (NO3-N)	mg/l	25	1.26	1.97	3.44	1.70	2.77
Nitrite (NO2-N)	mg/l	25	0.005	0.0132	0.029	0.011	0.025
Organic nitrogen	mg/l	12	< 0.1	0.36333	0.72	0.30	0.65
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0418	0.12	0.04	0.06
Petroleum hydrocarbons	mg/l	6	< 0.01	0.01833	0.05	0.05	0.05
Phenol index	mg/l	6	< 0.003	0.00417	0.01	0.01	0.01
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	9.5	18.8	33.1	33.10	33.10
Potassium (K+)	mg/l	12	1.7	2.48333	3.5	2.50	3.00

25.06.2015

Page 216 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Silicates (SiO2)	mg/l	25	2.7	5.492	8.8	5.20	7.20
Sodium (Na+)	mg/l	12	8.3	12.43333	19.3	12.00	16.70
Sulphate (SO4--)	mg/l	12	15.1	26.49167	39.3	23.70	37.70
Suspended solids	mg/l	25	9	50.52	349	20.00	145.00
TOC	mg/l	12	2.1	2.825	4.1	2.50	3.40
Temperature	°C	12	4	11.20833	23	9.10	20.10

Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	25	1.67	2.3324	3.69	1.99	3.36
Total phosphorus	mg/l	25	0.03	0.0912	0.22	0.08	0.17
Total phosphorus, dissolved	mg/l	25	< 0.015	0.0558	0.14	0.05	0.09
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	13	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.95	8.20917	8.46	8.18	8.11

25.06.2015

Page 217 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	9.63333	23.9	5.00	17.20
Alkalinity - total	mmol/l	12	2.8	3.26	3.78	3.20	3.69
Ammonium (NH4-N)	mg/l	25	< 0.01	0.0328	0.11	0.02	0.08
Anionic active surfactants	mg/l	12	< 0.015	0.02042	0.05	0.015	0.03
Arsenic (As), dissolved	µg/l	12	< 0.5	0.615	1.3	0.50	1.08
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	25	1.1	1.968	3.8	1.90	2.60
COD (Cr)	mg/l	12	5.9	11.225	26.9	8.20	19.80
COD (Mn)	mg/l	12	1.2	3.43333	11	2.30	5.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	46.5	57.19167	67.7	54.80	66.40
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	11.8	17.10833	29.8	14.40	25.20
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	327	414.91667	523	394	497
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	8.8	11.29167	14.3	10.50	9.40
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10	12.80833	15.8	12.20	15.60
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.64167	2.2	0.50	0.50
Nitrate (NO3-N)	mg/l	25	1.3	1.9264	3.03	1.72	2.62
Nitrite (NO2-N)	mg/l	25	0.005	0.01372	0.029	0.011	0.028
Organic nitrogen	mg/l	12	< 0.1	0.33833	0.67	0.30	0.66
Orthophosphate (PO4-P)	mg/l	25	< 0.005	0.0394	0.09	0.04	0.06
Petroleum hydrocarbons	mg/l	12	< 0.01	0.01917	0.04	0.02	0.03
Phenol index	mg/l	12	< 0.003	0.0035	0.009	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	7.3	15.75	25.2	25.20	25.20
Potassium (K+)	mg/l	12	1.5	2.225	2.6	2.20	2.60
Sodium (Na+)	mg/l	12	8	12.19167	18.3	11.60	16.90
Sulphate (SO4--)	mg/l	12	16.2	24.05833	36.2	22.20	32.00
Suspended solids	mg/l	25	7	48.68	385	16.00	163.00
TOC	mg/l	12	1.7	2.59167	4.1	2.30	3.50
Temperature	°C	12	4.1	11.05	23	9.00	20.00
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	25	1.59	2.2636	3.4	1.95	3.15

25.06.2015

Page 218 of

River: Danube **Catchment:** 131329.00 km2 **2013**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	25	0.03	0.0768	0.2	0.07	0.12
Total phosphorus, dissolved	mg/l	25	< 0.015	0.0488	0.1	0.05	0.07
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00225	0.008	0.001	0.005
pH	-	12	8.1	8.22833	8.48	8.18	8.12

River: Danube **Catchment:** 132168.00 km2 **2013**
Distance from mouth: 1806 **Altitude:** 108 m **SK2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	1	17.4	17.4	17.4		
Alkalinity - total	mmol/l	12	2.81	3.25917	3.75	3.17	3.73
Ammonium (NH4-N)	mg/l	12	< 0.01	0.03083	0.08	0.02	0.07
Anionic active surfactants	mg/l	1	0.05	0.05	0.05		
Arsenic (As), dissolved	µg/l	12	< 0.5	0.7625	1.71	0.50	1.30
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.6	2.425	3.8	2.20	3.30
COD (Cr)	mg/l	12	5.1	9.8	20.1	8.70	14.50
Cadmium (Cd)	µg/l	2	< 0.05	0.1	0.15		
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	49.5	58.20833	72.1	56.00	68.40
Chloride (Cl-)	mg/l	12	12.3	17.06667	29.3	14.50	24.60
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	355	417.41667	526	399	492
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	9	11.15	13.8	10.10	9.30
Flow	m3/s	365	1052.25	2304.3114	10018.042	1895.958	3604.25
Lead (Pb)	µg/l	2	2.2	5.5	8.8		
Lead (Pb), dissolved	µg/l	12	< 0.5	0.64167	1.4	0.50	1.30
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.7	13.05833	16.5	12.70	15.70
Mercury (Hg)	µg/l	2	< 0.025	< 0.025	< 0.025		

Mercury (Hg), dissolved	µg/l	12	< 0.025	0.05208	0.35	0.025	0.025
Nickel (Ni)	µg/l	2	1.6	4.7	7.8		
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.59167	1.6	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.14	1.86083	3.08	1.60	2.59
Nitrite (NO2-N)	mg/l	12	0.004	0.01258	0.026	0.01	0.024
Organic nitrogen	mg/l	12	< 0.1	0.3575	0.77	0.34	0.55
Orthophosphate (PO4-P)	mg/l	12	0.01	0.04	0.07	0.03	0.07
Petroleum hydrocarbons	mg/l	1	0.05	0.05	0.05		
Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	4.3	23.4	45.2	45.20	45.20
Potassium (K+)	mg/l	12	1.6	2.25	2.7	2.30	2.60
Silicates (SiO2)	mg/l	2	6.6	6.75	6.9		
Sodium (Na+)	mg/l	12	8.8	12.3	18.4	11.70	16.40
Sulphate (SO4--)	mg/l	12	16.4	24.69167	31.8	23.40	29.30
Suspended solids	mg/l	12	9	46.25	280	24.00	56.00
TOC	mg/l	12	2	2.975	5.6	2.60	4.20

25.06.2015

Page 220 of

River: Danube **Catchment:** 132168.00 km2 **2013**
Distance from mouth: 1806 **Altitude:** 108 m **SK2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	4.3	11.99167	27.5	9.30	20.60
Total nitrogen	mg/l	12	1.5	2.27	3.29	1.89	3.25
Total phosphorus	mg/l	12	0.04	0.095	0.34	0.07	0.12
Total phosphorus, dissolved	mg/l	12	< 0.015	0.04792	0.1	0.04	0.08
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00325	0.011	0.001	0.008
pH	-	12	8.01	8.25917	8.47	8.30	8.05

River: Vah **Catchment:** 19661.00 km2 **2013**
Distance from mouth: 2 **Altitude:** 106 m **SK4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	10	15.6	20.6	20.60	20.60
Alkalinity - total	mmol/l	12	3.11	3.45	4.16	3.30	3.76
Ammonium (NH4-N)	mg/l	12	< 0.01	0.125	0.35	0.06	0.30
Anionic active surfactants	mg/l	7	< 0.015	0.02429	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	< 0.5	1.73667	3.1	1.69	2.78
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	0.9	2.88333	6.2	2.60	3.80
COD (Cr)	mg/l	12	6.8	15.00833	47.1	10.30	22.30
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	55	62.03333	76.4	59.30	69.50
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	13.4	21.26667	30.1	19.90	27.30
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	323	464.66667	583	469	541
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	8.6	10.55833	13.1	9.80	8.60
Flow	m3/s	365	73.995	202.97727	649.518	160.775	375.103
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	13.2	15.125	18.9	14.40	16.70
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	1.05	1.94833	3.06	1.57	2.99
Nitrite (NO ₂ -N)	mg/l	12	0.013	0.02308	0.034	0.02	0.031
Organic nitrogen	mg/l	12	0.23	0.48833	1.29	0.39	0.70
Orthophosphate (PO ₄ -P)	mg/l	12	0.06	0.0825	0.13	0.08	0.11
Petroleum hydrocarbons	mg/l	6	< 0.01	0.01667	0.02	0.02	0.02
Phenol index	mg/l	12	< 0.003	0.00325	0.006	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	3.9	24.63333	55.4	55.40	55.40
Potassium (K ⁺)	mg/l	12	2.7	3.51667	4.3	3.40	4.00
Sodium (Na ⁺)	mg/l	12	12.2	18.30833	23.8	18.30	22.70
Sulphate (SO ₄ ⁻⁻)	mg/l	12	33.2	42.01667	57.1	38.30	55.30
Suspended solids	mg/l	12	6.5	67.875	562	15.00	60.00
TOC	mg/l	12	2.9	3.69167	9.2	3.20	3.70
Temperature	°C	12	2.1	12.01667	25.7	10.40	23.50
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.63	2.58333	4.65	2.14	3.48

25.06.2015

Page 222 of

River: Vah **Catchment:** 19661.00 km² **2013**
Distance from mouth: 2 **Altitude:** 106 m **SK4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.07	0.15583	0.53	0.12	0.16
Total phosphorus, dissolved	mg/l	12	0.06	0.10583	0.23	0.09	0.12
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00383	0.01	0.001	0.01
pH	-	12	8	8.145	8.3	8.10	8.05

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	< 5	13.11667	23.3	23.30	23.30
Alkalinity - total	mmol/l	12	1.99	3.05083	3.76	3.06	3.38
Ammonium (NH4-N)	mg/l	12	0.02	0.05083	0.08	0.05	0.08
Anionic active surfactants	mg/l	6	< 0.015	0.0175	0.03	0.03	0.03
Arsenic (As), dissolved	µg/l	12	< 0.5	1.475	2.99	1.44	2.33
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.5	2.35	3.3	2.30	3.00
COD (Cr)	mg/l	12	7.1	12.75	21.9	10.90	21.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	39.6	54.65833	71.7	53.10	59.70
Carbon tetrachloride	µg/l	2	< 0.2	< 0.2	< 0.2		
Chloride (Cl-)	mg/l	4	12.9	16.825	20.5	20.50	20.50
Chloroform	µg/l	2	< 0.25	< 0.25	< 0.25		
Chromium (Cr), total	µg/l	12	< 1	1.175	3.1	1.00	1.00
Conductivity	µS/cm	12	320	412.16667	496	417	452
Dissolved oxygen	mg/l	12	7.8	10.76667	13.8	10.10	8.90
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.7	13.51667	17.7	13.30	14.80
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.70833	3	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.99	1.97417	3.4	1.69	3.07

Nitrite (NO2-N)	mg/l	12	0.008	0.01708	0.037	0.014	0.029
Organic nitrogen	mg/l	12	< 0.1	0.38583	0.67	0.30	0.64
Orthophosphate (PO4-P)	mg/l	12	0.02	0.06583	0.12	0.06	0.10
Petroleum hydrocarbons	mg/l	6	< 0.01	0.02	0.03	0.03	0.03
Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Suspended solids	mg/l	12	10	68.58333	210	40.00	147.00
TOC	mg/l	12	2.4	3.34167	5.1	3.10	4.20
Temperature	°C	12	3.4	11.86667	25.4	9.60	22.50
Tetrachloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25		
Total nitrogen	mg/l	12	1.51	2.425	3.51	2.35	3.44
Total phosphorus	mg/l	12	0.06	0.13833	0.26	0.11	0.23
Total phosphorus, dissolved	mg/l	12	0.03	0.0775	0.15	0.07	0.12
Trichloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25		
p,p'-DDT	µg/l	12	< 0.001	0.00267	0.009	0.001	0.007
pH	-	12	6.97	8.01167	8.42	8.05	7.96

25.06.2015

Page 224 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	< 5	10.01667	17.8	17.80	17.80
Alkalinity - total	mmol/l	12	2.86	3.22917	3.76	3.19	3.48
Ammonium (NH4-N)	mg/l	12	< 0.01	0.03667	0.09	0.03	0.06
Anionic active surfactants	mg/l	6	< 0.015	0.02167	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	< 0.5	0.83667	1.5	0.50	1.50
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.1	2.30833	3.8	2.40	2.90
COD (Cr)	mg/l	12	6.9	11.2	24	8.10	17.10
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	51	57.96667	72.4	56.50	65.90
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	12.7	17.8	29.7	15.50	23.90
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	363	423.25	511	406	494
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	9	11.175	13.5	10.60	9.50
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.9	13.49167	17.1	13.00	16.30
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.675	2.6	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.1	1.98417	3.61	1.66	2.87
Nitrite (NO2-N)	mg/l	12	0.005	0.01408	0.029	0.01	0.025
Organic nitrogen	mg/l	12	< 0.1	0.43917	0.88	0.39	0.80
Orthophosphate (PO4-P)	mg/l	12	0.01	0.04917	0.1	0.05	0.08
Petroleum hydrocarbons	mg/l	7	< 0.01	0.01857	0.03	0.03	0.03

Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	1.6	18.95	33.7	33.70	33.70
Sulphate (SO4--)	mg/l	12	16.5	29.05833	42.3	28.50	38.70
Suspended solids	mg/l	12	7	57.25	279	29.00	81.00
TOC	mg/l	12	2.3	3.04167	3.9	2.60	3.90
Temperature	°C	12	3.7	11.76667	25	9.50	22.00
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.6	2.48	3.91	2.10	3.65
Total phosphorus	mg/l	12	0.04	0.12167	0.38	0.09	0.17
Total phosphorus, dissolved	mg/l	12	< 0.015	0.05917	0.11	0.05	0.10
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

25.06.2015

Page 225 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00458	0.011	0.001	0.01
pH	-	12	8.05	8.2025	8.51	8.16	8.07

25.06.2015

Page 226 of

River: Danube **Catchment:** 183350.00 km2 **2013**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	< 5	10.3	18.3	18.30	18.30
Alkalinity - total	mmol/l	12	2.8	3.22083	3.76	3.23	3.57
Ammonium (NH4-N)	mg/l	12	0.02	0.0425	0.09	0.03	0.09
Anionic active surfactants	mg/l	6	< 0.015	0.02333	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	< 0.5	0.7275	1.62	0.50	1.49
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.1	2.075	3	1.90	2.80
COD (Cr)	mg/l	12	6.6	11.375	16	10.30	15.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	50	58.10833	73.2	56.90	65.30
Carbon tetrachloride	µg/l	2	< 0.2	< 0.2	< 0.2		
Chloride (Cl-)	mg/l	4	13.6	22.575	29.2	29.20	29.20
Chloroform	µg/l	2	< 0.25	< 0.25	< 0.25		
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	364	427.41667	520	408	511
Dissolved oxygen	mg/l	12	8.5	11.025	13.6	10.30	9.20
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	11.3	13.88333	18	13.20	17.50
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.80833	2.8	0.50	1.90
Nitrate (NO3-N)	mg/l	12	1.04	2.02333	3.65	1.71	2.87
Nitrite (NO2-N)	mg/l	12	0.006	0.01467	0.034	0.01	0.025
Organic nitrogen	mg/l	12	< 0.1	0.39833	0.64	0.35	0.58
Orthophosphate (PO4-P)	mg/l	12	0.01	0.05833	0.15	0.05	0.09
Petroleum hydrocarbons	mg/l	6	< 0.01	0.02	0.03	0.03	0.03
Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Suspended solids	mg/l	12	8	46.58333	154	44.00	70.00
TOC	mg/l	12	2	3.09167	4.5	2.80	4.10
Temperature	°C	12	3.7	11.85	24.8	9.60	22.20
Tetrachloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25		
Total nitrogen	mg/l	12	1.63	2.4825	3.97	2.07	3.50
Total phosphorus	mg/l	12	0.04	0.11583	0.22	0.11	0.19
Total phosphorus, dissolved	mg/l	12	< 0.015	0.06625	0.15	0.05	0.10
Trichloroethylene	µg/l	2	< 0.25	< 0.25	< 0.25		
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.94	8.19583	8.54	8.16	8.04

25.06.2015

Page 227 of

River: Morava **Catchment:** 26574.99 km2 **2013**
Distance from mouth: 1 **Altitude:** 145 m **SK6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	13.9	17.525	27.9	16.80	20.70
Alkalinity - total	mmol/l	12	2.15	3.02667	3.66	3.01	3.51
Aluminium (Al)	µg/l	12	165	580.75	1536	356.00	1040.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.0675	0.22	0.03	0.18

Arsenic (As), dissolved	µg/l	12	< 0.5	0.72417	2.45	0.50	1.24
Atrazine	µg/l	1	< 0.09	< 0.09	< 0.09		
BOD (5)	mg/l	12	1.6	3.275	6.7	3.00	4.10
COD (Cr)	mg/l	12	10.4	17.39167	24.5	17.10	20.90
COD (Mn)	mg/l	1	5	5	5		
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.06	0.17	0.05	0.05
Calcium (Ca++)	mg/l	12	53.9	66.71667	81.7	65.80	71.70
Carbon tetrachloride	µg/l	1	< 0.2	< 0.2	< 0.2		
Chloride (Cl-)	mg/l	12	26.2	35.99167	45.9	35.00	45.30
Chloroform	µg/l	1	< 0.25	< 0.25	< 0.25		
Conductivity	µS/cm	12	446	563.83333	644	564	632
Copper (Cu), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Dissolved oxygen	mg/l	12	7.7	10.21667	13	9.70	7.70
Flow	m3/s	365	30.71	120.1271	412.921	86.569	256.563
Iron (Fe)	mg/l	12	< 0.025	0.62983	1.83	0.49	1.22
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00758	0.08	0.001	0.001
Macrozoobenthos sapr. index	-	11	1.792	1.96291	2.1	2.006	2.036
Magnesium (Mg++)	mg/l	12	13.8	17.01667	20.2	16.20	19.90
Manganese (Mn)	mg/l	12	< 0.0025	0.10696	0.252	0.076	0.187
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.1925	2.2	1.20	2.00
Nitrate (NO3-N)	mg/l	12	0.64	2.70833	4.31	2.51	4.22
Nitrite (NO2-N)	mg/l	12	0.006	0.02342	0.047	0.023	0.032
Organic nitrogen	mg/l	12	< 0.1	0.58333	1.14	0.55	0.89
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.12449	0.28362	0.1014	0.2207
Phenol index	mg/l	1	< 0.003	< 0.003	< 0.003		
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	7.4	48.38333	162.7	162.70	162.70
Potassium (K+)	mg/l	12	4.3	6.25	8	6.10	8.00
Sodium (Na+)	mg/l	12	18.9	27.25833	33.3	28.70	32.00
Sulphate (SO4--)	mg/l	12	62.8	80.675	97.9	77.90	90.60
Suspended solids	mg/l	12	6	33	69	26.00	66.00
TOC	mg/l	12	4.2	5.11667	6	5.10	5.90
Temperature	°C	12	0.7	11.46667	21.6	10.60	21.20

25.06.2015

Page 228 of

River: Morava **Catchment:** 26574.99 km2 **2013**
Distance from mouth: 1 **Altitude:** 145 m **SK6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Tetrachloroethylene	µg/l	1	< 0.25	< 0.25	< 0.25		
Total nitrogen	mg/l	12	1.54	3.38583	4.71	3.21	4.63
Total phosphorus	mg/l	12	0.07	0.20667	0.35	0.20	0.30
Total phosphorus, dissolved	mg/l	12	0.06	0.14417	0.28	0.11	0.25
Trichloroethylene	µg/l	1	< 0.25	< 0.25	< 0.25		
Zinc (Zn)	µg/l	1	< 10	< 10	< 10		
Zinc (Zn), dissolved	µg/l	1	< 10	< 10	< 10		
p,p'-DDT	µg/l	12	< 0.001	0.00425	0.015	0.001	0.013
pH	-	12	7.92	8.11333	8.5	8.06	7.97

River: Danube/Hron **Catchment:** 5416.83 km2 **2013**
Distance from mouth: 2 **Altitude:** 114 m **SK7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	< 5	10.88333	13.8	13.80	13.80
Alkalinity - total	mmol/l	12	1.31	2.31917	3.55	2.14	3.16
Ammonium (NH4-N)	mg/l	12	< 0.01	0.075	0.17	0.05	0.16
Anionic active surfactants	mg/l	6	< 0.015	0.02167	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	2.12	6.27333	9.59	6.20	9.55
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.2	2.75833	5.7	2.30	4.10
COD (Cr)	mg/l	12	5.5	17.25833	38.5	14.90	33.00
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	25.7	43.15	59.7	39.10	57.60
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	7.4	12.93333	18.5	13.50	15.70
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	238	397.33333	581	409	520
Copper (Cu), dissolved	µg/l	12	< 1	1.10833	2.3	1.00	1.00
Dissolved oxygen	mg/l	12	7.9	10.88333	13.2	10.80	8.50
Flow	m3/s	365	11.67	70.75521	402.1	40.80	173.10
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	7.8	13.55833	21.8	11.90	18.80
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.35	1.98417	2.58	1.79	2.57
Nitrite (NO2-N)	mg/l	12	0.01	0.02033	0.04	0.017	0.027
Organic nitrogen	mg/l	12	< 0.1	0.47333	0.85	0.42	0.79
Orthophosphate (PO4-P)	mg/l	12	0.04	0.10417	0.19	0.11	0.12
Petroleum hydrocarbons	mg/l	6	< 0.01	0.01667	0.03	0.03	0.03
Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	3.2	19.76667	61.3	61.30	61.30
Potassium (K+)	mg/l	12	2.4	3.28333	4.3	3.00	4.10
Sodium (Na+)	mg/l	12	7.8	12.05833	17.6	12.50	14.80
Sulphate (SO4--)	mg/l	12	23.9	44.24167	66.7	40.40	64.80
Suspended solids	mg/l	12	6	41.66667	203	21.00	63.00
TOC	mg/l	12	2.4	3.65833	5.3	3.70	4.40
Temperature	°C	12	0.3	11.35	25.2	9.70	22.50
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.88	2.56	3.46	2.49	3.42

25.06.2015

Page 230 of

River: Danube/Hron **Catchment:** 5416.83 km2 **2013**
Distance from mouth: 2 **Altitude:** 114 m **SK7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.08	0.16	0.36	0.14	0.19
Total phosphorus, dissolved	mg/l	12	0.06	0.12	0.22	0.12	0.15
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 10	10.83333	20	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00225	0.007	0.001	0.006
pH	-	12	7.76	8.1175	8.73	8.06	7.88

River: Danube/Ipoly **Catchment:** 5060.34 km2 **2013**
Distance from mouth: 12 **Altitude:** 110 m **SK8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	6	12.7	18.03333	29.6	29.60	29.60
Alkalinity - total	mmol/l	12	1.37	3.23833	4.56	3.54	4.50
Ammonium (NH4-N)	mg/l	12	< 0.01	0.1	0.34	0.06	0.30
Anionic active surfactants	mg/l	6	< 0.015	0.02167	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	< 0.5	1.325	2.86	1.10	2.50
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.2	2.26667	3.7	2.10	3.50
COD (Cr)	mg/l	12	9.1	19.46667	35.5	18.60	31.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	30.3	57.75	82	62.80	76.90
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	11.1	24.20833	37.2	22.80	36.80
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr), total	µg/l	12	< 1	< 1	< 1	1.00	1.00
Conductivity	µS/cm	12	263	466.08333	679	387	678
Copper (Cu), dissolved	µg/l	12	< 1	1.11667	2.4	1.00	1.00
Dissolved oxygen	mg/l	12	7.6	10.50833	13.2	9.20	8.50
Flow	m3/s	365	1.897	31.91532	280.1	8.323	98.78
Lead (Pb), dissolved	µg/l	12	< 0.5	0.74167	1.9	0.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	8.2	17.475	25.9	19.00	24.20
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

Nickel (Ni), dissolved	µg/l	12	< 0.5	0.575	1.4	0.50	0.50
Nitrate (NO3-N)	mg/l	12	1.23	2.37167	3.36	2.10	3.29
Nitrite (NO2-N)	mg/l	12	0.008	0.01833	0.034	0.02	0.024
Organic nitrogen	mg/l	12	0.28	0.59417	1.21	0.46	1.19
Orthophosphate (PO4-P)	mg/l	12	0.09	0.15	0.24	0.14	0.18
Petroleum hydrocarbons	mg/l	6	< 0.01	0.01833	0.04	0.04	0.04
Phenol index	mg/l	6	< 0.003	< 0.003	< 0.003	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	6.8	11.28333	20.1	20.10	20.10
Potassium (K+)	mg/l	12	3.8	6.96667	10.9	6.90	10.20
Sodium (Na+)	mg/l	12	8.9	22.2	37	20.60	35.80
Sulphate (SO4--)	mg/l	12	32.2	57.70833	94.6	54.90	78.90
Suspended solids	mg/l	12	8	89.25	412	19.00	223.00
TOC	mg/l	12	3.5	5.08333	6.5	5.10	6.20
Temperature	°C	12	0.9	11.49167	24.6	10.00	22.30
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	2.18	3.08083	4.73	2.56	4.12

25.06.2015

Page 232 of

River: Danube/Ipoly **Catchment:** 5060.34 km2 **2013**
Distance from mouth: 12 **Altitude:** 110 m **SK8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.11	0.21167	0.34	0.18	0.31
Total phosphorus, dissolved	mg/l	12	0.1	0.18083	0.26	0.15	0.26
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 10	11.66667	30	10.00	10.00
p,p'-DDT	µg/l	12	< 0.001	0.00158	0.005	0.001	0.004
pH	-	12	7.7	8.00167	8.31	7.95	7.78

River: Danube **Catchment:** 805700.00 km2 **2013**
Distance from mouth: 132 **Altitude:** 4 m **UA1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.69	3.13083	3.85	3.08	3.24
Ammonium (NH4-N)	mg/l	12	0.05	0.10583	0.18	0.10	0.15
Anionic active surfactants	mg/l	2	0.01	0.015	0.02		
BOD (5)	mg/l	12	1	2.00583	3.64	1.55	3.44
COD (Cr)	mg/l	12	9.48	16.48167	28.2	16.10	23.10
COD (Mn)	mg/l	12	3.26	3.67833	4.23	3.72	3.97
Calcium (Ca++)	mg/l	12	35.8	47.80833	52.2	50.20	51.90
Chloride (Cl-)	mg/l	12	23.5	30.28333	34.7	30.00	34.00
Chromium (Cr), total	µg/l	12	3	7.75	11	8.00	11.00
Copper (Cu), dissolved	µg/l	11	1.9	8.95455	53.6	3.80	8.40
Dissolved oxygen	mg/l	12	6.44	9.17167	11.6	8.73	7.62
Flow	m3/s	365	2870	7175.0958	13500	6310.00	12100.00
Magnesium (Mg++)	mg/l	12	13.9	17.11667	20.3	16.30	20.10
Nitrate (NO3-N)	mg/l	12	0.68	1.30833	2.19	1.20	1.88
Nitrite (NO2-N)	mg/l	12	< 0.01	0.02017	0.039	0.02	0.03
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.03592	0.073	0.025	0.057
Silicates (SiO2)	mg/l	12	1.35	2.42417	3.29	2.59	3.04
Sulphate (SO4--)	mg/l	12	38.6	46.43333	48.3	47.10	47.60
Suspended solids	mg/l	12	13.8	60.275	127	54.00	99.20
Temperature	°C	12	2.4	14.775	27	13.00	25.00
Total phosphorus, dissolved	mg/l	12	0.044	0.0715	0.098	0.064	0.091
Zinc (Zn), dissolved	µg/l	11	7.7	39.64545	229	16.60	77.60

p,p'-DDT	µg/l	2	< 0.025	0.0575	0.09		
pH	-	12	7.5	7.9375	8.2	8.00	7.80

25.06.2015

Page 234 of

River: Danube **Catchment:** 817000.00 km2 **2013**
Distance from mouth: 18 **Altitude:** 1 m **UA2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.67	3.10583	3.65	3.10	3.29
Ammonium (NH4-N)	mg/l	12	< 0.01	0.10833	0.17	0.10	0.17
Anionic active surfactants	mg/l	7	0.01	0.01143	0.02	0.02	0.02
BOD (5)	mg/l	12	< 0.00000	1.355	3.22	1.25	2.84
COD (Cr)	mg/l	12	6.5	13.6925	19.1	12.30	19.00
COD (Mn)	mg/l	12	3.07	3.80167	4.25	3.86	4.20
Calcium (Ca++)	mg/l	12	37.9	48.35833	56.1	48.20	55.60
Chloride (Cl-)	mg/l	12	23.5	31.66667	40.9	30.40	38.20
Chromium (Cr), total	µg/l	12	< 1.5	8.29167	15	7.00	14.00
Dissolved oxygen	mg/l	12	7.14	9.01833	11.2	9.00	7.18
Flow	m3/s	365	1410	3492.6301	7030	3010.00	5970.00
Magnesium (Mg++)	mg/l	12	12.8	15.46667	19.6	14.60	18.80
Nitrate (NO3-N)	mg/l	12	0.52	1.23	2.1	1.22	1.56
Nitrite (NO2-N)	mg/l	12	< 0.01	0.0355	0.12	0.025	0.052
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.039	0.07	0.025	0.064
Petroleum hydrocarbons	mg/l	1	0.02	0.02	0.02		
Silicates (SiO2)	mg/l	12	1.29	2.15	2.76	2.11	2.75
Sulphate (SO4--)	mg/l	12	43.4	52.225	56.8	53.50	56.50
Suspended solids	mg/l	12	16.8	63.28333	104	62.50	94.20
Temperature	°C	12	3.6	14.91667	27	13.00	24.00
Total phosphorus, dissolved	mg/l	12	0.063	0.09225	0.124	0.091	0.117
p,p'-DDT	µg/l	1	0.075	0.075	0.075		
pH	-	12	7.8	7.97083	8.2	7.90	7.85

River: Tisza **Catchment:** 33000.00 km2 **2013**
Distance from mouth: 342 **Altitude:** 92 m **UA4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.3	2.025	2.9	1.90	2.70
Ammonium (NH4-N)	mg/l	12	0.1	0.125	0.2	0.10	0.20
Anionic active surfactants	mg/l	12	0.01	0.01383	0.016	0.014	0.016
Arsenic (As)	µg/l	8	5	5	5	5.00	5.00
Arsenic (As), dissolved	µg/l	8	5	5	5	5.00	5.00
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 1.5	2.03333	4.7	1.50	3.10
COD (Cr)	mg/l	12	8.1	9.79167	15	9.20	10.50
COD (Mn)	mg/l	12	3	4.40833	5.4	4.20	5.30
Cadmium (Cd)	µg/l	8	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	8	0.2	0.2	0.2	0.20	0.20
Calcium (Ca++)	mg/l	12	23	28.40833	41	28.10	32.10
Chloride (Cl-)	mg/l	12	14.9	29.125	57.4	27.70	41.10
Chromium (Cr) - total	µg/l	8	< 2.5	< 2.5	< 2.5	2.50	2.50
Chromium (Cr), total	µg/l	8	< 1.5	1.8	3.9	3.90	3.90
Conductivity	µS/cm	12	230	351.91667	437	349.00	413.00
Copper (Cu)	µg/l	8	< 2.5	3.9375	7	7.00	7.00
Copper (Cu), dissolved	µg/l	8	< 0.5	3.4875	6.8	6.80	6.80
Dissolved oxygen	mg/l	12	8.6	10.25083	11.1	10.40	9.10
Iron (Fe)	mg/l	12	0.1	0.19333	0.33	0.18	0.28
Lead (Pb)	µg/l	8	2	3.3625	5.4	5.40	5.40
Lead (Pb), dissolved	µg/l	8	< 1.5	1.8875	3.1	3.10	3.10
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Magnesium (Mg++)	mg/l	12	10.1	12.73333	14.2	12.60	14.20
Manganese (Mn)	mg/l	8	0.012	0.01963	0.027	0.027	0.027
Mercury (Hg)	µg/l	8	0.2	0.2	0.2	0.20	0.20
Nickel (Ni)	µg/l	8	5	5	5	5.00	5.00
Nickel (Ni), dissolved	µg/l	8	5	5	5	5.00	5.00

Nitrate (NO3-N)	mg/l	12	0.5	0.61667	0.8	0.60	0.80
Nitrite (NO2-N)	mg/l	12	0.03	0.03	0.03	0.03	0.03
Orthophosphate (PO4-P)	mg/l	12	0.05	0.05	0.05	0.05	0.05
Petroleum hydrocarbons	mg/l	12	0.01	0.01942	0.034	0.019	0.029
Potassium (K+)	mg/l	8	1.8	2.3625	2.8	2.80	2.80
Sodium (Na+)	mg/l	8	3.4	5.7625	8.3	8.30	8.30
Sulphate (SO4--)	mg/l	12	12.5	24.71667	35.6	23.40	33.90
Suspended solids	mg/l	12	7	13.08333	18	12.00	18.00
Temperature	°C	12	2.9	12.75	23	14.20	20.50
Total nitrogen	mg/l	12	0.5	0.875	1.2	0.80	1.10

25.06.2015

Page 236 of

River: Tisza **Catchment:** 33000.00 km2 **2013**
Distance from mouth: 342 **Altitude:** 92 m **UA4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.05	0.06833	0.12	0.05	0.10
Zinc (Zn)	µg/l	8	8	17.375	29	29.00	29.00
Zinc (Zn), dissolved	µg/l	8	6	15.5	26	26.00	26.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.04	7.86833	8.43	7.95	7.28

25.06.2015

Page 237 of

River: Tisza/Bodrog/Latori **Catchment:** 4418.00 km2 **2013**
Distance from mouth: 144 **Altitude:** 96 m **UA5**

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH4-N)	mg/l	12	0.1	0.20833	0.3	0.23	0.29
Arsenic (As)	µg/l	8	5	5	5	5.00	5.00
BOD (5)	mg/l	12	< 1.5	2.04333	3.22	1.50	3.20
COD (Cr)	mg/l	12	7.6	10.34167	15	9.20	13.00
COD (Mn)	mg/l	12	3.1	4.41667	6	4.30	5.40
Cadmium (Cd)	µg/l	8	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	9	18.8	28.33333	48.2	48.20	48.20
Chloride (Cl-)	mg/l	12	10	15.575	22.2	15.60	19.10
Chromium (Cr) - total	µg/l	8	5	5	5	5.00	5.00
Copper (Cu)	µg/l	8	< 2.5	< 2.5	< 2.5	2.50	2.50
Dissolved oxygen	mg/l	12	8.3	9.93	11.6	10.15	8.40
Iron (Fe)	mg/l	12	0.12	0.23333	0.51	0.19	0.36
Lead (Pb)	µg/l	8	2	2	2	2.00	2.00
Magnesium (Mg++)	mg/l	9	10	12.76667	15.8	15.80	15.80
Manganese (Mn)	mg/l	8	0.01	0.01725	0.023	0.023	0.023
Mercury (Hg)	µg/l	5	0.2	0.2	0.2	0.20	0.20
Nickel (Ni)	µg/l	8	5	5	5	5.00	5.00
Nitrate (NO3-N)	mg/l	12	1.8	3.24167	7.8	2.50	4.10
Nitrite (NO2-N)	mg/l	12	0.03	0.06417	0.17	0.05	0.10
Orthophosphate (PO4-P)	mg/l	12	0.05	0.07583	0.12	0.07	0.11
Petroleum hydrocarbons	mg/l	12	0.011	0.02325	0.036	0.024	0.036
Phenol index	mg/l	12	< 0.0005	0.00054	0.001	0.0005	0.0005
Sulphate (SO4--)	mg/l	12	13.1	20.23333	43.5	17.50	25.10
Suspended solids	mg/l	12	6	14.58333	24	14.00	20.00
Temperature	°C	12	3	12.91667	23	13.30	21.30
Zinc (Zn)	µg/l	8	7	15.375	20	20.00	20.00
pH	-	12	7.13	7.74083	8.6	7.70	7.24

25.06.2015

Page 238 of

River:

Prut

Catchment:

9836.00 km2

2013

Distance from mouth:

262

Altitude:

122 m

UA6

Location:

Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.3	3.04583	3.8	2.90	3.60
Aluminium (Al), dissolved	µg/l	11	< 1.5	37.31818	100	1.50	100.00
Ammonium (NH4-N)	mg/l	12	< 0.04	0.18917	0.46	0.12	0.46

BOD (5)	mg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
COD (Cr)	mg/l	12	6.4	10.1	16.8	9.50	13.40
COD (Mn)	mg/l	12	2.1	3.4	5.7	3.10	4.50
Cadmium (Cd), dissolved	µg/l	12	< 0.1	1.06667	5	0.10	5.00
Calcium (Ca++)	mg/l	12	50.1	66.96667	86.2	66.10	78.20
Chloride (Cl-)	mg/l	12	24.8	41.1	69.1	33.70	65.60
Chromium (Cr), total	µg/l	12	< 0.5	17	50	0.50	50.00
Copper (Cu), dissolved	µg/l	12	< 0.5	10.875	47	0.50	20.00
Dissolved oxygen	mg/l	12	8.7	10.70833	14.2	10.70	8.80
Iron (Fe)	mg/l	12	< 0.025	0.05042	0.13	0.025	0.11
Lead (Pb), dissolved	µg/l	12	< 2.5	29.55	100	8.80	100.00
Magnesium (Mg++)	mg/l	12	8.5	11	12.8	10.90	12.20
Nickel (Ni), dissolved	µg/l	12	< 1.5	14.33333	40	1.50	40.00
Nitrate (NO3-N)	mg/l	12	0.29	0.49667	0.77	0.46	0.68
Nitrite (NO2-N)	mg/l	12	< 0.015	0.05125	0.27	0.04	0.05
Orthophosphate (PO4-P)	mg/l	11	< 0.025	0.03727	0.16	0.025	0.025
Petroleum hydrocarbons	mg/l	10	0.008	0.0249	0.045	0.045	0.045
Potassium (K+)	mg/l	12	1.6	3.45833	5.4	3.10	4.50
Sodium (Na+)	mg/l	12	2.8	17.775	36.7	17.30	35.80
Sulphate (SO4--)	mg/l	12	50.4	65.225	87.2	62.20	75.50
Suspended solids	mg/l	12	4	41.58333	311	18.00	43.00
Temperature	°C	12	0.4	10.74167	23.1	9.80	20.00
Total nitrogen	mg/l	12	0.37	0.745	1.03	0.78	0.93
Zinc (Zn), dissolved	µg/l	12	< 1.5	8.5	40	1.50	40.00
pH	-	12	8.02	8.2625	8.52	8.23	8.14

25.06.2015

Page 239 of

River: Siret **Catchment:** 2070.00 km2 **2013**
Distance from mouth: 100 **Altitude:** 303 m **UA7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.92917	3.6	2.90	3.50
Aluminium (Al), dissolved	µg/l	11	< 1.5	37.31818	100	1.50	100.00
Ammonium (NH4-N)	mg/l	12	< 0.04	0.11417	0.29	0.04	0.23
BOD (5)	mg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
COD (Cr)	mg/l	12	3.4	9.48333	20.4	8.40	12.90
COD (Mn)	mg/l	12	1.2	3.125	6.9	2.80	4.40
Cadmium (Cd), dissolved	µg/l	12	< 0.1	1.06667	5	0.10	5.00
Calcium (Ca++)	mg/l	12	36.1	56.1	66.1	54.10	66.10

Chloride (Cl-)	mg/l	12	8.9	16.675	21.3	16.70	19.50
Chromium (Cr), total	µg/l	12	< 0.5	17	50	0.50	50.00
Copper (Cu), dissolved	µg/l	12	< 0.5	12.625	68	0.50	20.00
Dissolved oxygen	mg/l	12	8.8	10.775	13.2	11.00	9.30
Iron (Fe)	mg/l	12	< 0.025	0.08083	0.14	0.08	0.10
Lead (Pb), dissolved	µg/l	12	< 2.5	29.60833	100	9.40	100.00
Magnesium (Mg++)	mg/l	12	6.1	9.30833	13.4	9.10	10.90
Nickel (Ni), dissolved	µg/l	12	< 1.5	14.33333	40	1.50	40.00
Nitrate (NO3-N)	mg/l	12	0.2	0.58333	1.1	0.50	1.10
Nitrite (NO2-N)	mg/l	12	< 0.015	0.01792	0.05	0.015	0.015
Orthophosphate (PO4-P)	mg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Petroleum hydrocarbons	mg/l	10	0.005	0.0205	0.033	0.033	0.033
Potassium (K+)	mg/l	12	0.8	2.41667	4	2.20	3.50
Sodium (Na+)	mg/l	11	0.4	10.83636	19.8	12.50	17.30
Sulphate (SO4--)	mg/l	12	33.8	44.175	61.2	44.00	50.40
Suspended solids	mg/l	12	3	33.58333	281	9.00	35.00
Temperature	°C	12	0.8	10.04167	21	9.40	19.60
Total nitrogen	mg/l	12	0.29	0.70917	1.37	0.61	1.29
Zinc (Zn), dissolved	µg/l	12	< 1.5	8.5	40	1.50	40.00
pH	-	12	8.06	8.21	8.61	8.15	8.07

25.06.2015

Page 240 of

River: Uzh **Catchment:** 1582.00 km2 **2013**
Distance from mouth: 106 **Altitude:** 112 m **UA8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH4-N)	mg/l	12	< 0.05	0.21333	0.7	0.15	0.32
Anionic active surfactants	mg/l	12	0.011	0.01317	0.015	0.013	0.015
Arsenic (As)	µg/l	8	5	5	5	5.00	5.00
BOD (5)	mg/l	12	< 1.5	2.11667	4.1	1.50	3.20
COD (Cr)	mg/l	12	7.7	10.04167	13.4	9.60	13.40
COD (Mn)	mg/l	12	3	4.59167	6.5	4.40	5.20
Cadmium (Cd)	µg/l	8	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	9	18	29.06667	40.1	40.10	40.10
Chloride (Cl-)	mg/l	12	10	15.725	26.9	15.60	21.20
Chromium (Cr) - total	µg/l	8	5	5	5	5.00	5.00
Copper (Cu)	µg/l	8	< 2.5	3.375	7	7.00	7.00
Dissolved oxygen	mg/l	12	7.2	9.88417	11.06	10.46	8.30
Iron (Fe)	mg/l	12	0.1	0.18083	0.27	0.19	0.24

Lead (Pb)	µg/l	8	2	2	2	2.00	2.00
Magnesium (Mg ⁺⁺)	mg/l	9	10	12.12222	16.3	16.30	16.30
Manganese (Mn)	mg/l	8	0.007	0.016	0.021	0.021	0.021
Mercury (Hg)	µg/l	5	0.2	0.2	0.2	0.20	0.20
Nickel (Ni)	µg/l	8	5	5	5	5.00	5.00
Nitrate (NO ₃ -N)	mg/l	12	1.7	3	5.9	2.40	4.10
Nitrite (NO ₂ -N)	mg/l	12	0.03	0.05667	0.28	0.03	0.07
Orthophosphate (PO ₄ -P)	mg/l	12	0.05	0.0675	0.11	0.06	0.09
Petroleum hydrocarbons	mg/l	12	0.01	0.01833	0.027	0.019	0.024
Phenol index	mg/l	12	< 0.0005	0.00054	0.001	0.0005	0.0005
Sulphate (SO ₄ ⁻⁻)	mg/l	12	10	18.15833	35.8	16.30	23.40
Suspended solids	mg/l	12	8	13.08333	21	12.00	20.00
Temperature	°C	12	3	13.11667	23.9	14.00	22.30
Zinc (Zn)	µg/l	8	6	14.375	21	21.00	21.00
pH	-	12	6.85	7.6575	8.32	7.60	6.91