

**Table S1.** Chemistry of the Triassic aquifer in Wojkowice and the surrounding area (06.2016).

The tests were carried out in the certified Laboratory of SGS Poland, Environmental Laboratory, Pszczyna, Poland (ilac MRA; PCA Polish Center for Accreditation; AB 1232).

Number of spring/ well	1/ „Stara 107” spring	2/ U Wnuka” spring	3/ „Brzeziny” spring	5/ „Długosza 36” spring	6/ well „Roztówka R-1”	7/ well „Przelajka – 3”
Parameter						
Temp. of water [°C]	13.0	13.5	10.1	10.5	10.5	12.2
Calibration limit	±2.0	±2.1	±1.6	±1.6	±1.6	±1.9
pH [-]	8.3	7.4	6.5	6.9	7.1	7.3
Calibration limit	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3
O <sub>2</sub> [mg L <sup>-1</sup> ]	10.3	12.1	7.5	4.1	7.2	8.9
Calibration limit	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
EC [μS cm <sup>-1</sup> ]	495	480	625	1128	976	1030
Calibration limit	±50	±48	±63	±113	±98	±103
Cr [μg L <sup>-1</sup> ]	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Calibration limit	–	–	–	–	–	–
Pb [μg L <sup>-1</sup> ]	4.4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Calibration limit	±0.5	–	–	–	–	–
Cd [μg L <sup>-1</sup> ]	< 0.30	< 0.30	< 0.30	< 0.30	1.1	0.9
Calibration limit	–	–	–	–	±0.2	±0.1
Cu [mg L <sup>-1</sup> ]	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0020
Calibration limit	–	–	–	–	–	–
Zn [mg L <sup>-1</sup> ]	< 0.050	< 0.050	< 0.050	0.054	0.55	0.90
Calibration limit	–	–	–	±0.006	±0.06	±0.09
Hg [μg L <sup>-1</sup> ]	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Calibration limit	–	–	–	–	–	–
Na [mg L <sup>-1</sup> ]	5.00	8.62	18.3	47.2	33.5	74.6
Calibration limit	±0.50	±0.87	±1.9	±4.8	±3.4	±7.5
Mg [mg L <sup>-1</sup> ]	29.7	31.2	40.5	50.3	75.4	60.7
Calibration limit	±6.0	±6.3	±8.1	±10.1	±15.1	±12.2
Al [μg L <sup>-1</sup> ]	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Calibration limit	–	–	–	–	–	–
K [mg L <sup>-1</sup> ]	< 1.00	1.80	2.38	4.55	10.3	4.96
Calibration limit	–	±0.36	±0.48	±0.91	±2.1	±1.00
Ca [mg L <sup>-1</sup> ]	104	91.1	120	158	153	143
Calibration limit	±21	±18.3	±24	±32	±31	±29
Mn [μg L <sup>-1</sup> ]	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Calibration limit	–	–	–	–	–	–
Fe [μg L <sup>-1</sup> ]	< 60.0	< 60.0	< 60.0	< 60.0	< 60.0	< 60.0
Calibration limit	–	–	–	–	–	–
Co [mg L <sup>-1</sup> ]	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calibration limit	–	–	–	–	–	–

Ni [µg L <sup>-1</sup> ] Calibration limit	< 5.0 —	< 5.0 —	< 5.0 —	< 5.0 —	< 5.0 —	< 5.0 —
As [µg L <sup>-1</sup> ] Calibration limit	< 1.0 —	< 1.0 —	< 1.0 —	< 1.0 —	< 1.0 —	< 1.0 —
Ag [mg L <sup>-1</sup> ] Calibration limit	< 0.0020 —	< 0.0020 —	< 0.0020 —	< 0.0020 —	< 0.0020 —	< 0.0020 —
V [mg L <sup>-1</sup> ] Calibration limit	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —
Se [µg L <sup>-1</sup> ] Calibration limit	< 2.0 —	< 2.0 —	< 2.0 —	< 2.0 —	6.0 ±0.6	4.4 ±0.5
Mo [mg L <sup>-1</sup> ] Calibration limit	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —
Sn [mg L <sup>-1</sup> ] Calibration limit	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —	< 0.0050 —
Sb [µg L <sup>-1</sup> ] Calibration limit	< 1.0 —	1.5 ±0.4	< 1.0 —	< 1.0 —	< 1.0 —	< 1.0 —
B [mg L <sup>-1</sup> ] Calibration limit	< 0.050 —	< 0.0050 —	0.11 ±0.02	0.48 ±0.05	0.16 ±0.02	0.16 ±0.02
Ba [mg L <sup>-1</sup> ] Calibration limit	< 0.050 —	0.088 ±0.014	0.077 ±0.0012	0.081 ±0.013	< 0.050 —	< 0.050 —
Tl [mg L <sup>-1</sup> ] Calibration limit	< 0.0006 —	< 0.0006 —	< 0.0006 —	< 0.0006 —	< 0.0006 —	< 0.0006 —
Be [mg L <sup>-1</sup> ] Calibration limit	< 0.01 —	< 0.01 —	< 0.01 —	< 0.01 —	< 0.01 —	< 0.01 —
TOC [mg L <sup>-1</sup> ] Calibration limit	1.2 ±0.3	1.6 ±0.4	12.5 ±3.2	1.1 ±0.3	1.0 ±0.3	< 1.0 —
HCO <sub>3</sub> <sup>-</sup> [mg L <sup>-1</sup> ] Calibration limit	328 ±33	281 ±29	359 ±36	489 ±49	443 ±45	3770 ±377
SO <sub>4</sub> <sup>2-</sup> [mg L <sup>-1</sup> ] Calibration limit	72.3 ±18.1	80.8 ±16.2	101 ±21	149 ±30	224 ±45	198 ±40
Cl <sup>-</sup> [mg L <sup>-1</sup> ] Calibration limit	7.36 ±1.48	16.0 ±3.2	26.7 ±5.4	83.5 ±16.7	51.6 ±10.4	105 ±21
F [mg L <sup>-1</sup> ] Calibration limit	< 0.10 —	< 0.10 —	< 0.10 —	< 0.10 —	0.10 ±0.02	0.10 ±0.02
Total Hardness [mg CaCO <sub>3</sub> L <sup>-1</sup> ] Calibration limit	374 ±75	331 ±67	515 ±103	619 ±124	777 ±156	627 ±126
PO <sub>4</sub> <sup>3-</sup> [mg L <sup>-1</sup> ] Calibration limit	< 0.40 —	< 0.40 —	< 0.40 —	< 0.40 —	< 0.40 —	< 0.40 —
NH <sub>4</sub> <sup>+</sup> [mg L <sup>-1</sup> ] Calibration limit	0.07 ±0.02	0.07 ±0.02	< 0.05 —	< 0.05 —	0.06 ±0.02	< 0.05 —
NO <sub>3</sub> <sup>-</sup> [mg L <sup>-1</sup> ] Calibration limit	22.3 ±4.5	15.0 ±3.0	26.4 ±5.3	42.3 ±8.5	—	34.8 ±7.0

NO <sub>2</sub> <sup>-</sup> [mg L <sup>-1</sup> ]	0,03	0,04	0,03	0,04	< 0,03	< 0,03
Calibration limit	–	±0,01	–	±0,01	–	–
Fecal enterococci in 100 ml of water sample	42	12	2	3	0	0
Calibration limit	29–61	6–22	< 1–9	< 1–10	–	–
Clostridium perfringens in 100 ml of water sample	9	68	6	1	0	0
Calibration limit	4–18	51–90	2–14	< 1–8	–	–
Coliform bacteria in 100 ml of the sample	> 1,0*10 <sup>2</sup>	> 1,0*10 <sup>2</sup>	5	> 41	0	0
Calibration limit	–	–	1–13	–	–	–
Escherichia coli bacteria in 100 ml of water	> 1,0*10 <sup>2</sup>	15	0	31	0	0
Calibration limit	–	7–32	–	19–49	–	–

**Table S2A.** Chemistry of the water from Triassic aquifer in „Przelajka – 3” in Czeladź (No 2228 in MONBADA) and in „Rozkówka R-1” in Będzin (No 2230 in MONBADA) in 2007–2015.

Parameter Year	well „Przelajka – 3” No 2228														
	Date	Quality class	Temp [°C]	EC μS cm <sup>-1</sup>	pH	As	NH <sub>4</sub>	NO <sub>3</sub>	NO <sub>2</sub>	B	Cl	Cr	Zn	Al	HPO <sub>4</sub>
						[mg L <sup>-1</sup> ]									
2007/1	spring	III	10.2	1269	7.11	< 0.002	< 0.05	39.6	< 0.01	0.159	120.0	< 0.003	0.8537	0.0018	< 1
2007/2	autumn	III	10.1	1334	7.19	< 0.002	< 0.05	40.6	< 0.01	0.150	114.0	< 0.003	0.8355	0.0035	< 1
2008/1	21.05.2008	III	10.5	1335	7.10	< 0.002	< 0.05	41.9	0.02	0.156	128.0	< 0.003	0.8440	< 0.0005	< 1
2008/2	10.09.2008	III	10.4	1373	7.17	< 0.002	< 0.05	40.3	0.01	0.157	126.0	< 0.003	0.8570	< 0.0005	< 1
2009/1	22.09.2009	IV	11.5	1512	7.10	< 0.002	< 0.05	41.3	0.02	0.185	159.0	< 0.003	0.9740	0.0022	< 1
2010/1	31.05.2010	III	10.3	869	7.24	< 0.002	< 0.05	26.4	0.01	0.100	61.2	< 0.003	0.6310	0.0009	< 1
2011/1	spring	III	10.7	891	7.26	< 0.002	0.08	35.7	< 0.01	0.080	49.9	< 0.003	0.6430	< 0.0005	<0.30
2011/2	autumn	III	10.2	1014	7.24	< 0.002	< 0.05	39.0	0.01	0.100	66.1	0.022	0.7140	< 0.0005	<0.30
2012/1		III	10.6	1072	7.11	< 0.002	< 0.05	39.3	0.03	0.130	88.9	< 0.003	0.7500	0.0009	<0.10
2013/1	spring	III	10.3	1079	7.23	< 0.002	< 0.05	35.5	0.04	0.130	104.0	< 0.003	0.7540	0.0017	< 0.10
2013/2	autumn	III	10.6	1027	7.15	< 0.002	< 0.05	34.9	0.06	0.120	80.4	< 0.003	0.7750	0.0007	< 0.10
2014/1	spring	III	10.4	1082	7.18	< 0.002	< 0.05	38.7	< 0.01	0.130	80.2	< 0.003	0.7830	< 0.0005	< 0.10
2014/2	autumn	III	11.0	1126	7.24	< 0.002	< 0.05	38.2	0.01	0.150	106.0	< 0.003	0.7630	< 0.0005	< 0.10
2015/1	autumn	III	10.7	1238	7.31	< 0.002	< 0.05	34.9	< 0.01	0.146	99.9	< 0.003	0.8117	< 0.0005	< 0.30
well „Rozkówka R-1” No 2230															
2007/1	spring	IV	10.5	1222	7.14	< 0.002	< 0.05	60.9	< 0.01	0.239	63.1	< 0.003	0.4457	0.0027	< 1
2007/2	autumn	IV	10.6	1307	7.23	< 0.002	< 0.05	59.2	< 0.01	0.246	61.9	< 0.003	0.4549	0.0042	< 1
2008/1	21.05.2008	IV	10.4	1275	7.08	< 0.002	< 0.05	57.3	< 0.01	0.221	67.9	< 0.003	0.4735	< 0.0005	< 1
2008/2	10.09.2008	IV	12.5	1278	7.19	< 0.002	< 0.05	58.4	< 0.01	0.221	59.6	< 0.003	0.4787	< 0.0005	< 1
2009/1	19.10.2009	IV	12.4	1332	7.09	< 0.002	< 0.05	62.8	< 0.01	0.255	69.0	< 0.003	0.5151	0.0038	< 1
2010/1	31.05.2010	IV	9.9	1204	7.10	< 0.002	< 0.05	61.6	0.02	0.200	73.4	< 0.003	0.4860	< 0.0005	< 1
2011/1	spring	IV	10.5	1142	7.18	< 0.002	< 0.05	57.6	< 0.01	0.270	59.7	< 0.003	0.4750	< 0.0005	< 0.30
2011/2	autumn	IV	10.5	1148	7.19	< 0.002	< 0.05	57.9	0.02	0.240	50.7	< 0.003	0.4740	< 0.0005	< 0.30
2012/1		IV	11.7	1142	7.12	< 0.002	< 0.05	56.9	< 0.01	0.240	60.7	< 0.003	0.4641	0.0008	<0.10
2013/1	spring	IV	10.6	1129	7.17	< 0.002	< 0.05	53.3	0.04	0.220	65.3	< 0.003	0.4700	0.0021	< 0.10
2013/2	autumn	IV	10.3	1011	7.14	< 0.002	< 0.05	54.5	0.08	0.240	61.2	< 0.003	0.4670	< 0.0005	< 0.10
2014/1	spring	IV	10.4	1118	7.20	< 0.002	< 0.05	52.2	< 0.01	0.210	53.0	< 0.003	0.4750	0.0008	< 0.10
2014/2	autumn	IV	10.6	1100	7.21	< 0.002	< 0.05	50.2	< 0.01	0.190	54.0	< 0.003	0.4720	0.0008	< 0.10
2015/1	autumn	III	10.6	1199	7.20	< 0.002	< 0.05	49.8	< 0.01	0.177	52.6	< 0.003	0.5066	0.0008	< 0.30

The chemical analysis were carried out in the certified Laboratory of the Polish Geological Institute - National Research Institute in Warsaw as part of the National MONBADA monitoring. The analysis were usually performed twice a year.

**Table S2B:** Chemistry of the water from Triassic aquifer in „Przelajka – 3” in Czeladź (No 2228 in MONBADA) and in „Rozkówka R-1” in Będzin (No 2230 in MONBADA) in 2007–2015.

well „Przelajka – 3” No 2228															
Parameter Year	Date	Cd	SiO <sub>2</sub>	Mg	Mn	Cu	Ni	Pb	K	SO <sub>4</sub>	Na	Hg	Ca	HCO <sub>3</sub>	Fe
		[mg L <sup>-1</sup> ]													
2007/1	spring	0.00103	11.78	53.82	< 0.00100	0.00124	< 0.0010	0.00006	4.73	235	72.22	< 0.0003	138.12	330.6	< 0.01
2007/2	autumn	0.00106	12.12	55.48	0.00100	0.00170	< 0.0010	0.00006	4.60	232	73.75	< 0.0003	133.86	341.6	< 0.01
2008/1	21.05.2008	0.001080	n.d.	56.87	0.00357	0.00186	< 0.0010	0.00006	4.41	241	75.45	< 0.0003	140.41	336.7	< 0.01
2008/2	10.09.2008	0.001030	n.d.	56.76	< 0.00100	0.00128	0.0005	0.00005	4.89	239	82.65	< 0.0003	133.88	330.6	< 0.01
2009/1	22.09.2009	0.00122	n.d.	56.51	< 0.00100	0.00307	< 0.0050	0.00012	5.57	267	94.50	< 0.0003	154.86	373.3	< 0.01
2010/1	31.05.2010	0.000650	n.d.	35.30	< 0.00100	0.00348	< 0.0050	< 0.00005	4.40	185	40.50	< 0.0003	110.90	285.0	< 0.01
2011/1	spring	0.000850	n.d.	49.10	< 0.00100	0.00186	0.0021	0.00006	2.70	177	25.90	< 0.0003	112.4	323.0	< 0.01
2011/2	autumn	0.001010	n.d.	50.50	< 0.00100	0.00133	0.0011	0.00010	3.70	198	41.50	< 0.0003	120.7	348.0	< 0.01
2012/1		0.001025	n.d.	51.70	< 0.00100	0.001675	< 0.0005	0.000065	3.90	213	54.30	< 0.0003	127.6	341.6	< 0.01
2013/1	spring	0.001010	n.d.	50.70	< 0.00100	0.002010	0.0210	< 0.00005	4.20	204	62.10	< 0.0003	123.7	333.0	< 0.01
2013/2	autumn	0.001080	n.d.	50.00	< 0.00100	0.001680	< 0.0005	< 0.00005	3.90	193	48.00	< 0.0003	114.9	337.0	< 0.01
2014/1	spring	< 0.00005	n.d.	53.50	< 0.00100	0.00135	< 0.0005	< 0.00005	4.10	214	58.70	< 0.0003	131.0	328.2	0.02
2014/2	autumn	< 0.00005	n.d.	51.50	< 0.00100	0.00148	< 0.0005	< 0.00005	4.10	230	66.20	< 0.0003	126.4	347.7	0.02
2015/1	autumn	0.000870	n.d.	54.90	< 0.00100	0.00117	< 0.0005	< 0.00005	4.10	228	67.30	< 0.0003	128.0	350.0	0.01
well „Rozkówka R-1” No 2230															
2007/1	spring	0.00092	11.47	65.85	< 0.00100	0.00179	< 0.0010	0.00047	8.92	256	40.83	< 0.0003	147.52	373.3	< 0.01
2007/2	autumn	0.00096	12.28	67.92	0.00130	0.00251	< 0.0010	0.00047	9.47	259	40.11	< 0.0003	146.16	390.4	0.0348
2008/1	21.05.2008	0.000900	n.d.	69.94	< 0.00100	0.00366	< 0.0010	0.00261	8.92	264	37.80	< 0.0003	149.04	384.3	< 0.01
2008/2	10.09.2008	0.000940	n.d.	69.24	< 0.00100	0.00365	0.0005	0.00253	8.85	262	37.90	< 0.0003	145.99	388.0	< 0.01
2009/1	19.10.2009	0.000973	n.d.	66.21	< 0.00100	0.003818	< 0.0050	0.00118	9.18	261	46.67	< 0.0003	151.28	418.4	0.0192
2010/1	31.05.2010	0.001000	n.d.	67.10	< 0.00100	0.00343	< 0.0050	0.00178	7.50	258	50.60	< 0.0003	141.00	416.0	0.14
2011/1	spring	0.000990	n.d.	69.70	< 0.00100	0.00160	0.0018	0.00047	8.20	254	35.70	< 0.0003	136.60	414.0	0.09
2011/2	autumn	0.000950	n.d.	69.40	< 0.00100	0.00151	0.0008	0.00047	8.50	248	36.0	< 0.0003	139.20	426.0	0.07
2012/1		0.000891	n.d.	67.80	< 0.00100	0.001908	< 0.0050	0.000419	8.50	256	34.5	< 0.0003	146.30	422.1	0.05
2013/1	spring	0.000950	n.d.	68.40	< 0.00100	0.00200	0.0019	0.00046	8.80	259	34.9	< 0.0003	142.4	410.0	0.01
2013/2	autumn	0.001000	n.d.	66.20	< 0.00100	0.00179	< 0.00050	0.00041	8.00	242	36.5	< 0.0003	132.4	410.0	0.06
2014/1	spring	0.000960	n.d.	72.20	< 0.00100	0.00160	< 0.0005	0.00054	9.40	246	34.4	< 0.0003	147.9	407.5	0.04
2014/2	autumn	0.001040	n.d.	66.90	< 0.00100	0.00149	< 0.0005	0.00097	9.30	258	32.3	< 0.0003	136.8	398.9	0.02
2015/1	autumn	0.001000	n.d.	69.70	0.00126	0.00156	< 0.0005	0.00104	8.40	253	32.1	< 0.0003	136.7	410.0	0.0142

The chemical analysis were carried out in the certified Laboratory of the Polish Geological Institute - National Research Institute in Warsaw as part of the National MONBADA monitoring. The analysis were usually performed twice a year.

Explanations: n.d. – not detected

**Table S3:** Water chemistry of springs of the Triassic aquifer in Wojkowice and the surrounding area (2015.11.06–2019.03.11).

Number of spring	Table location Date	Temperature of water	pH	EC	TH	Ca	Mg	Na	K	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	PO <sub>4</sub>	SiO <sub>2</sub>	Charge balance error
		[°C]	[-]	[μS cm <sup>-1</sup> ]	[mg CaCO <sub>3</sub> L <sup>-1</sup> ]	[mg L <sup>-1</sup> ]										[%]
1.	„Stara 107” spring															
	2016.03.12	6.4	8.17	685.0	375	110.0	24.3	4.20	0.70	330	80.1	9.8	25.2	0.07	4.40	-0.3
	2017.10.06	10.6	8.16	589.0	335	95.0	27.6	4.30	0.70	313	61.3	8.3	31.0	0.10	n.t.	0.7
	2019.03.11	6.7	8.11	757.0	373	114.0	21.4	5.00	0.52	317	68.4	8.2	23.5	0.10	5.30	3.0
2.	„U Wnuka” spring															
	2018.03.21	5.1	7.93	801.0	365	118.0	17.2	5.70	1.00	290	91.1	13.0	16.2	0.07	n.t.	-3.6
	2018.10.27	7.4	7.97	611.0	373	89.0	36.0	7.74	1.21	278	88.3	20.5	16.8	0.05	4.02	3.8
	2019.03.11	8.2	7.74	771.0	348	100.0	23.4	9.55	1.43	270	78.3	25.0	22.2	0.04	4.76	-2.0
3.	„Brzeziny” spring															
	2017.10.06	10.4	7.29	877.0	500	130.0	42.0	89.8	10.50	412	122.6	47.0	43.9	0.02	n.t.	2.8
	2018.03.21	6.5	7.37	975.0	450	114.0	39.6	14.5	1.70	384	116.6	32.0	26.6	0.06	n.t.	-2.0
	2018.10.27	9.4	7.10	1007.0	523	146.0	37.8	28.1	3.44	442	116.5	56.0	36.3	0.06	7.10	-94.0
	2019.03.11	8.5	7.30	1061.0	494	137.0	26.8	20.8	2.52	363	92.9	39.0	35.4	0.08	7.10	-1.8
4.	„Pod Morwą” spring															
	2017.10.06	10.5	8.14	898.0	500	124.0	45.6	25.2	2.60	409	141.5	51.0	53.2	0.06	n.t.	-3.4
	2018.03.21	5.6	7.83	1117.0	455	116.0	39.6	23.9	2.20	391	122.4	40.0	38.1	0.07	n.t.	-2.4
	2018.10.27	9.7	8.05	946.0	446	122.0	34.2	28.5	3.12	375	140.0	50.0	46.5	0.06	6.40	-4.6
	2019.03.11	7.0	7.90	1092.0	436	123.0	31.4	26.2	2.52	360	115.8	42.5	44.3	0.09	7.05	-1.4
5.	„Długosza 36” spring															
	2015.11.06	10.0	6.88	1403.0	635	174.0	48.0	42.8	5.00	488	176.0	73.0	51.0	0.04	9.10	0.5
	2017.10.06	10.3	6.95	1201.0	650	182.0	46.8	39.1	4.50	516	171.1	77.0	73.1	0.05	n.t.	-1.8
	2018.03.21	9.3	6.94	1581.0	650	172.0	52.8	35.6	4.00	529	146.3	86.0	55.8	0.05	n.t.	-1.6
	2018.10.27	9.0	6.84	1291.0	635	177.0	46.2	46.3	5.80	497	201.0	88.0	46.5	0.05	7.70	-2.3
	2019.03.11	9.4	6.74	1451.0	628	182.0	42.0	37.2	4.52	439	147.2	78.0	54.1	0.06	6.90	3.4
8.	„U Piekarskiego” spring															
	2015.11.06	10.3	8.19	727.0	365	116.0	18.0	8.3	2.70	323	91.2	19.5	29.2	0.02	6.3	-3.1
	2017.10.06	10.2	7.28	755.0	400	106.0	32.4	8.1	1.40	338	104.7	23.0	39.9	0.08	n.t.	-3.8
	2018.03.21	9.7	7.40	888.0	375	108.0	25.2	7.5	1.30	305	102.6	21.5	26.6	0.05	n.t.	-2.0
	2018.10.27	9.2	7.45	688.0	395	105.0	31.8	8.1	1.50	296	94.2	24.0	26.1	0.05	4.74	-2.3
	2019.03.11	10.1	7.41	848.0	365	111.0	21.0	12.3	2.26	287	91.8	28.5	35.4	0.09	5.54	-0.6
9.	Psary spring															
	2015.11.06	9.6	7.15	548.0	260	84.0	12.0	3.4	2.50	128	95.6	20.0	36.3	0.06	9.80	1.6
	2017.10.06	9.6	6.73	494.0	245	78.0	12.0	3.6	1.80	113	103.3	22.0	48.7	0.10	n.t.	-2.9
	2018.03.21	8.9	6.92	630.0	240	68.0	16.8	3.5	1.60	128	101.2	17.0	38.3	0.11	n.t.	-3.0

	2018.10.27	9.1	7.10	493.0	245	77.0	12.6	4.3	1.80	121	98.9	19.5	45.2	0.06	8.35	-1.7
	2019.03.11	9.5	6.86	577.0	234	76.0	10.6	4.4	1.67	116	101.5	18.0	52.3	0.08	9.75	-4.6
10.	Strzemieszyce spring															
	2015.11.06	9.8	7.11	923.0	390	106.0	30.0	20.0	3.30	336	91.2	45.0	38.1	0.04	6.90	-2.9
	2016.03.12	9.0	7.33	865.0	427	115.0	34.0	16.8	1.70	360	118.0	46.0	26.6	0.06	5.60	-1.3
11.	Dąbrowa Górnicza - Zakawie spring															
	2015.11.06	8.7	7.94	579.0	304	66.2	33.6	7.8	0.90	290	64.5	13.9	10.7	0.01	3.40	1.7
	2016.03.12	7.8	7.55	635.0	332	82.0	31.0	17.4	2.80	317	76.6	18.0	15.1	0.05	3.60	-0.5
12.	Góra Siewierska spring															
	2015.11.06	9.1	7.79	734.0	335	108.0	15.6	7.8	1.10	299	75.2	21.0	38.9	0.03	5.90	-4.3
	2016.03.12	8.5	7.69	690.0	338	106.0	19.5	6.7	0.90	299	74.9	21.0	34.6	0.08	4.70	-3.7
	2017.10.06	9.0	7.45	643.0	360	108.0	21.6	6.1	0.70	311	86.6	23.0	44.3	0.07	n.t.	-5.0
	2018.03.18	8.6	7.52	851.0	350	116.0	14.4	6.4	0.70	308	79.0	18.0	33.7	0.04	n.t.	-3.0
	2018.10.27	8.4	7.79	687.0	367	122.0	15.2	7.8	0.80	297	78.9	21.5	38.1	0.08	4.72	0.2
	2019.03.11	9.2	7.46	774.0	333	109.0	14.4	7.7	0.75	290	71.9	23.0	40.8	0.08	4.98	3.8
13.	Rogoźnik „Pod Górą Buczynową” spring															
	2015.11.06	9.1	7.35	748.0	360	108.0	21.6	8.8	1.10	305	80.0	29.0	24.4	0.04	6.40	-1.7
	2016.03.12	8.8	7.34	654.0	360	106.0	23.1	7.9	0.90	293	77.0	31.5	18.2	0.06	5.20	-0.1
	2017.10.06	8.9	7.33	668.0	365	106.0	24.0	7.2	0.70	314	78.2	31.5	28.4	0.09	n.t.	-3.1
	2018.03.18	8.8	7.46	820.0	370	110.0	22.8	6.5	0.60	299	85.5	25.0	21.3	0.08	n.t.	-0.2
	2018.10.27	7.9	7.48	691.0	353	117.0	14.4	9.0	0.80	311	86.3	30.0	24.8	0.10	4.38	-4.4
	2019.03.11	9.3	7.43	793.0	335	108.0	15.6	8.6	0.80	278	82.5	31.0	24.6	0.10	6.44	3.1
14.	Będzin „Na Kamionce” spring															
	2015.11.06	10.0	8.06	585.0	285	80.0	20.8	2.4	1.00	244	81.4	5.3	5.8	0.03	5.80	-0.8
	2016.03.12	6.5	7.58	604.0	310	74.0	31.0	2.2	0.70	260	77.5	6.0	4.6	0.06	4.70	2.8
15.	Strzemieszyce „Majewskiego” spring															
	2016.03.12	7.1	7.12	1020.0	590	172.0	37.1	4.9	0.70	497	148.0	17.5	18.6	0.05	5.90	0.0

Explanations: n.t. – not tested