

Table S1: Characterization coefficients and saturation index of calcite for monitored springs

Skalistý potok						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.012526	0.00290	1.609	0.223	-0.130
	2015	0.015142	0.00002	1.669	0.307	-1.140
	2016	0.012710	0.00344	1.957	0.188	0.630
max						
	2014	0.132319	0.08235	3.013	3.077	0.610
	2015	0.021479	0.04588	3.067	2.246	1.360
	2016	0.018913	0.05800	2.929	5.217	1.120
average						
	2014	0.031175	0.01685	2.632	0.828	0.319
	2015	0.018162	0.01395	2.478	0.628	0.514
	2016	0.016184	0.01782	2.540	1.483	0.818
	whole period	0.022005	0.01597	2.548	0.920	0.525
Pekná dievčina						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.055324	0.007404	0.390	0.159	0.060
	2015	0.138786	0.015481	0.462	0.320	0.300
	2016	0.153585	0.006359	0.670	0.173	3.150
max						
	2014	0.172882	0.023812	0.729	0.441	1.030
	2015	0.170337	0.020562	0.764	0.434	1.200
	2016	0.167576	0.015007	1.026	0.397	3.210
average						
	2014	0.132029	0.015851	0.559	0.326	0.479
	2015	0.152240	0.018205	0.590	0.371	0.897
	2016	0.160084	0.012122	0.809	0.300	3.177
	whole period	0.144969	0.016162	0.613	0.341	1.091
Teplica						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.062994	0.0029	3.274	0.340	0.310
	2015	0.083834	0.0041	0.901	0.308	0.490
	2016	0.089552	0.0030	3.881	0.263	0.760
max						
	2014	0.190519	0.0349	4.748	4.491	0.780
	2015	0.134752	0.0531	4.750	0.938	1.380
	2016	0.108364	0.0634	4.600	8.909	1.260
average						
	2014	0.100877	0.0107	4.067	1.247	0.621
	2015	0.102325	0.0120	2.977	0.504	1.008
	2016	0.098549	0.0227	4.272	3.179	1.033
	whole period	0.100899	0.0143	3.694	1.504	0.897

Drienovec cave						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.009287	0.003	2.533	0.223	0.430
	2015	0.079767	0.004	2.363	0.029	0.740
	2016	0.075582	0.003	3.177	0.210	0.260
max						
	2014	0.249031	0.329	4.761	0.943	0.980
	2015	0.144956	0.044	4.198	2.406	1.680
	2016	0.100196	0.035	3.889	2.184	1.280
average						
	2014	0.093583	0.047	3.926	0.567	0.779
	2015	0.102409	0.010	3.590	0.599	1.037
	2016	0.087694	0.008	3.558	0.587	0.884
	whole period	0.094889	0.020	3.673	0.586	0.905
Sv Jan						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.05622	0.00526	0.926	0.297	-1.480
	2015	0.06326	0.00004	1.112	0.326	0.450
	2016	0.06339	0.00705	1.362	0.281	-0.070
max						
	2014	0.10255	0.06474	2.142	1.549	0.990
	2015	0.08898	0.01723	1.988	0.508	1.150
	2016	0.08983	0.06933	1.983	5.241	1.110
average						
	2014	0.07300	0.01691	1.577	0.612	0.247
	2015	0.08230	0.01092	1.376	0.419	0.858
	2016	0.07792	0.02080	1.645	1.180	0.708
	whole period	0.07790	0.01563	1.519	0.681	0.591
Kozia Studna						
	Date	rMg/rCa	r(Na+K)/r(Ca+Mg)	rHCO ₃ /rCl	rNa/rCl	SI
min						
	2014	0.110394	0.004	2.105	0.552	0.050
	2015	0.285623	0.011	2.039	0.603	0.130
	2016	0.291429	0.012	2.292	0.708	-0.950
max						
	2014	0.333416	0.017	8.227	1.381	2.270
	2015	0.326815	0.033	3.707	1.932	0.860
	2016	0.336275	0.111	4.214	12.893	1.110
average						
	2014	0.258054	0.013	3.644	1.023	0.653
	2015	0.297131	0.017	3.006	1.117	0.641
	2016	0.302452	0.047	3.007	4.790	0.403
	whole period	0.284927	0.024	3.209	2.043	0.580

Table S2: Statistical evaluation of ionic runoff of the Jasov Plateau Springs based on the method of Pulina (1974)

Date	TDS (mg/L)	Discharge (L/s)	Ionic runoff (g/s)	Ionic runoff (t/year)	Ionic runoff (m ³ /year)
Skalistý potok					
min					
2014			12.76	401.82	160.73
2015	228	40.90	7.98	251.32	100.53
2016	273	27.00			
max					
2014	638	197.00	61.66	1942.32	776.93
2015	662	221.00	64.75	2039.50	815.80
2016					
average					
2014	565	91.60	25.17	792.76	317.10
2015	604	115.34	34.56	1088.77	435.51
whole period	573	103.00	29.44	927.31	370.92
Pekná dievčina					
min					
2014	576	0.20	0.06	1.88	0.75
2015	580	0.05	0.02	0.52	0.21
2016	520	0.50	0.13	4.15	1.66
max					
2014	663	7.00	2.12	66.81	26.72
2015	663	3.00	0.90	28.44	11.28
2016	613	4.00	1.11	34.97	13.99
average					
2014	613	2.80	0.88	27.57	11.03
2015	614	1.07	0.32	10.16	4.06
2016	557	1.58	0.44	13.90	5.56
whole period	597	1.80	0.55	17.21	6.88
Teplica					
min					
2014	484	4.50	1.29	40.75	16.3
2015	530	0.50	0.13	4.17	1.67
2016	483	1.90	0.47	14.84	5.94
max					
2014	750	192.00	46.46	1463.62	585.45
2015	683	20.00	6.69	210.74	84.29
2016	618	1.90	0.47	14.84	5.94
average					
2014	586	39.80	10.22	321.96	128.75
2015	596	7.75	2.46	77.37	30.95
2016	544	1.90	0.47	14.84	5.94
whole period	573	30.00	7.50	236.26	94.50
Drienovec cave					
min					
2014	556	7.80	2.34	73.71	29.48
2015	606	4.51	1.40	44.18	17.67

2016	496	9.00	2.23	70.31	28.12
max					
2014	699	109.00	34.17	1 076.40	430.46
2015	714	106.00	32.28	1 016.73	406.69
2016	644	104.00	31.72	999.18	399.67
average					
2014	625	27.90	8.82	277.71	111.09
2015	633	25.58	8.02	252.71	101.08
2016	581	27.10	8.15	256.82	102.73
whole period	612	26.90	8.34	262.69	105.08
Sv Jan					
min					
2014	586	10.00	3.35	105.53	42.21
2015	602	1.70	0.56	17.75	7.10
2016	537	4.00	1.13	35.60	14.24
max					
2014	693	52.00	18.02	567.57	227.03
2015	666	35.00	11.31	356.11	142.44
2016	656	13.50	4.07	128.21	51.29
average					
2014	636	24.00	7.67	241.72	96.69
2015	643	13.34	4.29	135.10	54.04
2016	595	6.36	1.88	59.26	23.70
whole period	623	15.30	4.85	152.77	61.11
Kozia Studna					
min					
2014	573	0,00	0.0031	0.097	0.039
2015	569	0,00	0.0031	0.097	0.039
2016	476	0,01	0.0030	0.095	0.038
max					
2014	737	1.00	0.3245	10.222	4.089
2015	705	0.01	0.0294	0.925	0.370
2016	647	0.50	0.1258	3.961	1.584
average					
2014	625	0.40	0.1299	4.092	1.637
2015	614	0.04	0.0162	0.510	0.204
2016	557	0.15	0.0391	1.231	0.492
whole period	596	0.20	0.0667	2.100	0.840