

## Appendix I

Data available on request.

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Data sample:

	A	B	C	D	E	F	G	H	I
1	I.p.	MM	DD	YYYY	DATE	Q [m <sup>3</sup> s <sup>-1</sup> ]	Q estimated [m <sup>3</sup> s <sup>-1</sup> ]	Q <sub>total</sub> [m <sup>3</sup> ]	
944	943	7	31	2009	31.07.2009	13,75	13,75	1187683,8	
945	944	8	1	2009	01.08.2009	14,72	14,72	1271484,1	
946	945	8	2	2009	02.08.2009	16,07	16,07	1388066,4	
947	946	8	3	2009	03.08.2009	14,42	14,42	1245838,9	
948	947	8	4	2009	04.08.2009	13,34	13,34	1152165	
949	948	8	5	2009	05.08.2009	11,59	11,59	1001600,5	
950	949	8	6	2009	06.08.2009	10,44	10,44	902402,58	
951	950	8	7	2009	07.08.2009	9,33	9,33	806113,66	
952	951	8	8	2009	08.08.2009	11,10	11,10	959438,81	
953	952	8	9	2009	09.08.2009	10,92	10,92	943276,6	
954	953	8	10	2009	10.08.2009	10,33	10,33	892568,8	
955	954	8	11	2009	11.08.2009	9,49	9,49	820355,21	
956	955	8	12	2009	12.08.2009	8,62	8,62	744336,31	
957	956	8	13	2009	13.08.2009	6,50	6,50	561220,79	
958	957	8	14	2009	14.08.2009	5,49	5,49	473964,32	
959	958	8	15	2009	15.08.2009	4,79	4,79	413707,71	
960	959	8	16	2009	16.08.2009	4,80	4,80	414567,85	
961	960	8	17	2009	17.08.2009		2,98	257458,18	
962	961	8	18	2009	18.08.2009		3,18	274395,17	
963	962	8	19	2009	19.08.2009		2,75	237385,73	
964	963	8	20	2009	20.08.2009		2,74	236473,34	
965	964	8	21	2009	21.08.2009	4,68	4,68	404142,78	
966	965	8	22	2009	22.08.2009	7,98	7,98	689447,76	
967	966	8	23	2009	23.08.2009	8,34	8,34	720277,92	
968	967	8	24	2009	24.08.2009	8,00	8,00	691060,8	
969	968	8	25	2009	25.08.2009	7,27	7,27	628224,49	
970	969	8	26	2009	26.08.2009	6,68	6,68	577215,88	
971	970	8	27	2009	27.08.2009	6,45	6,45	557453,52	
972	971	8	28	2009	28.08.2009	5,28	5,28	456099,45	

**Q** – mean daily discharge

**Q<sub>total</sub>** – total daily runoff

**Q estimated** – missing data were completed with the use of the Deterministic Modelling Hydrological System (DMHS) developed by Vinogradov et al. (2010). Majchrowska et al, 2015\* have been reported the results of the modelling, with its estimated error. Most of the largest flood data were observed directly.

VINOGRADOV Y.B., SEMENOVA O.M. and VINOGRADOVA T.A. 2010. An approach to the scaling problem in hydrological modelling. The deterministic modelling hydrological system. Hydrological Processes 25: 1055–1073.

\* MAJCHROWSKA E., IGNATIUK D., JANIA J., MARSZAŁEK H., WAŚIK M., 2015: Seasonal and interannual variability in runoff from the Werenskioldbreen catchment, Spitsbergen. Polish Polar Research vol. 36, no. 3, pp. 197–224. doi: 10.1515/popore-2015-0014