Table: The suspended sediment concentration (SSC), suspended sediment load (SSL), and the rate of mechanical denudation and total annual runoff (Q_{total}) from Werenskioldbreen catchment in the studied seasons (1972, 1986 and 2007–2012).

Year	Period of Sampling (Date Range and Number of Days)	Suspended Sediment Concentration (SSC) (g dm^{-3})	Suspended Sediment Load (SSL) (kt)	Mechanical Denudation (t km^{-2}) [a]	Mechanical Denudation (mm $year^{-1}$) [b]	Total Annual Runoff (Q_{total}) (10^6 m^3) **	Source
1972	3.07–21.09 (81 days)				>1.000		Pulina, 1974
1986	16.06–14.09 (91 days)	0.045–3.630	40.25	914.8	0.366	~50	Krawczyk, 1994
2007	7–24.07; 28.07–7.09 (60 days)	0.011–2.478	36.52 (43.95 *)	830.00 (998.87 *)	0.332 (0.400 *)	56.37	Łepkowska, 2018
2008	14–15.07; 23.07–13.08; 3–5.09; 12–22.09; 24.09 (39 days)	0.043–5.313	107.26 (118.46 *)	2437.73 (2692.32 *)	0.975 (1.077 *)	84.04	Łepkowska, 2018
2009	-	-	57.71 *	1243 *	0.497 *	78.91	-
2010	25.07–15.08; 20–24.08 (27 days)	0.109–0.674	6.56 (37.30 *)	149.09 (847.68 *)	0.060 (0.339 *)	78.35	Łepkowska, 2018
2011	24.05–31.07; 11–17.08 (76 days)	0.001–1.930	28.35 (60.23 *)	644.31 (1368.79 *)	0.258 (0.548 *)	82.28	Łepkowska, 2018
2012	18.07–22.08 (36 days)	0.217–4.718	49.89 (130.94 *)	1133.86 (2975.91 *)	0.454 (1.190 *)	98.71	Łepkowska, 2018

[a] Taking into account the calculated area of the basin (44 km^2). [b] Taking into consideration a generalized, average value of specific sediment weight in the Breelva River catchment was assumed as 2500 kg m^{-3}. * Estimated value for the hydrologically active season. ** Based on MAJCHROWSKA E., IGNATIUK D., JANIA J., MARSZAŁEK H., WĄSIK M., 2015. Seasonal and interannual variability in runoff from the Werenskioldbreen catchment, Spitsbergen. Polish Polar Research, 36 (3): 197–224. doi: 10.1515/popore-2015-00

Source: ŁEPKOWSKA E., STACHNIK Ł., 2018. Which drivers control the suspended sediment flux in a High Arctic glacierized basin (Werenskioldbreen, Spitsbergen)? Water, 10, 1408. doi: https://doi.org/10.3390/w10101408