

Table R1. organic carbon flux comparison for the Svalbard glaciers and other two glacier systems

	POC flux	DOC flux	area-weighted POC flux	area-weighted DOC flux	discharge-weighted POC flux	discharge-weighted DOC flux
	10 ⁶ t/yr	10 ⁶ t/yr	t/km ² /yr	t/km ² /yr	mg/L	mg/L
Svalbard archipelago	0.056 ± 0.02	0.02 ± 0.01	1.5 ± 0.5	0.55 ± 0.3	2.2	0.86
Greenland ice sheet	0.9* – 0.94**	0.08* – 0.15**	0.7 – 0.8	0.07 – 0.12	3.7*	0.32*
Gulf of Alaska		0.10 ± 0.01***		1.3 ± 0.11***		0.31***

* (Bhatia et al., 2013)

** (Lawson et al., 2014)

*** (Hood et al., 2009)