

**Table 2.** Diffusion of silicic acid across the sediment-water interface. Ref., reference number; PFZ, polar front zone.

Regions	Area ( $10^{12}$ m <sup>2</sup> )	Annual flux		Ref.
		( $10^{-2}$ mol Si m <sup>-2</sup> )	(Tmol Si)	
<i>Continental margins</i>				
Antarctic	0.9	42 ± 6	0.4 ± 0.1	(45)
Others	18	22 ± 11	4.0 ± 2.0	(51)
Subtotal	18.9		4.4 ± 2.1	
<i>Abysses</i>				
Antarctic-PFZ	3	55 ± 45	1.6 ± 1.4	(47)
Antarctic-abysses	19	21.5 ± 8.5	4.1 ± 1.6	(47)
Subtotal	22		5.7 ± 3.0	
Oligotrophic areas	322	4 ± 3	13 ± 10	(52, 53)
Subtotal abysses	341		18.7 ± 13.0	
Total	360		23 ± 15	

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