

Table 4 Net annual accumulation rate of biogenic silica (F_B) in different ecosystems of the world ocean

Ecosystem	F_B (Tmol Si year ⁻¹)	Reference
Coastal zone and continental margins	3.3 ± 2.1	Modified from DeMaster 2002
Deep open ocean	$<1.04 \pm 0.34$	DeMaster 2002
Southern Ocean ^a	$>2.0 \pm 1.2$	Calculated in this review
Total removal rate	6.3 ± 3.6	

^aBased on ²³⁰Th-normalized sediment silica accumulation rates.

DeMaster DJ. 2002. The accumulation and cycling of biogenic silica in the Southern Ocean: revisiting the marine silica budget. *Deep-Sea Res. II* 46:3155–67

