

Table 1 Summary of CaCO₃ flux estimates for the ocean updated from Berelson et al. (2007)

Flux term	Flux estimate mmol CaCO ₃ m ⁻² d ⁻¹	Flux estimate Pg C yr ⁻¹
Production in the euphotic zone	0.4–1.0	0.5–1.6
Export from the surface (models)	0.3–1.1	0.4–1.8
Dissolution from 200 to 1500 m		
Atlantic	0.3	0.1
Indian	1.1	0.3
Pacific	0.8	0.6
Total		1.0
Export to sediment traps below 2000 m*	0.24 ± 0.03	0.4 ± 0.05
Dissolution on sea floor below 2000 m	0.24 ± 0.17	0.4 ± 0.3
Atlantic and Pacific only		
Burial in sediments	0.08	0.1

*Data from Honjo et al. (2008).