



(a) Simulated benthic solute fluxes for the North Sea
 (b) POC remineralization and percentage remineralized

POC remineralization rate [mmol C m⁻² d⁻¹]	
This study	14.15–29.56
North Sea ^[a]	8.76–12.59
North Sea ^[b]	4–13.5
Monterey Bay ^[c]	8
Washington shelf ^[d; e; f]	20
Denmark shelf ^[g]	16
N. Carolina shelf ^[h]	7–15
Alaskan shelf ^[i]	9–20
New York shelf ^[j]	11
Maine shelf ^[k]	11
San Pedro shelf ^[l]	23

Percentage remineralized [%]	
Aerobic, this study	51–67
SO ₄ reduction, this study	26–45
Aerobic ^[a]	46.9–89.3
SO ₄ reduction ^[a]	10.7–54.1
Aerobic ^[b]	57–90
Anaerobic ^[b]	14–39