

TABLE II
Sinking rates of chain-forming diatoms.

Species	Cell dimensions (μ) diameter \times length	Sinking rate (m/day)	
		Growing cultures	Non-growing cultures
<i>Chaetoceros didymus</i>	4 \times 8.5	0.53	0.85 (heat killed)
<i>Thalassiosira fluviatilis</i>	12 \times 18	0.60 ¹	ca 1.1 ¹
<i>Thalassiosira rotula</i>	—	—	1.15
From Smayda and Boleyn (their values \times 1.1 to correct for temperature effect on viscosity)			
<i>Skeletonema costatum</i>	5 \times 18	0.33	1.5
<i>Thalassiosira rotula</i>	30 \times ca 12	0.43	2.3
<i>Chaetoceros lauderii</i>	10 \times 35	0.50	1.7
<i>Bacteriastrium hyalinum</i>	18 \times 25	0.43	1.4

¹ At infinite dilution (see text p. 203).