

TABLES AND FIGURES

Table I. Initial nutrient concentrations for each of the three different experimental nutrient treatments that *Neoceratium* were subjected to (measured from experiments on *N. candelabrum*). All experimental seawater was made from NAGSW; the only amendments made were to concentrations of nitrate and phosphate.

***Measurements that were below the detection limit of the nutrient analyser.**

Experimental Seawater	Nitrate concentration (μM)	Phosphate concentration (μM)
Low nutrient seawater (LNSW)	0.58	0.04
Nutrient replete seawater (RSW)	185	1.40
Surface North Atlantic gyre seawater (NAGSW)	<0.02*	<0.02*

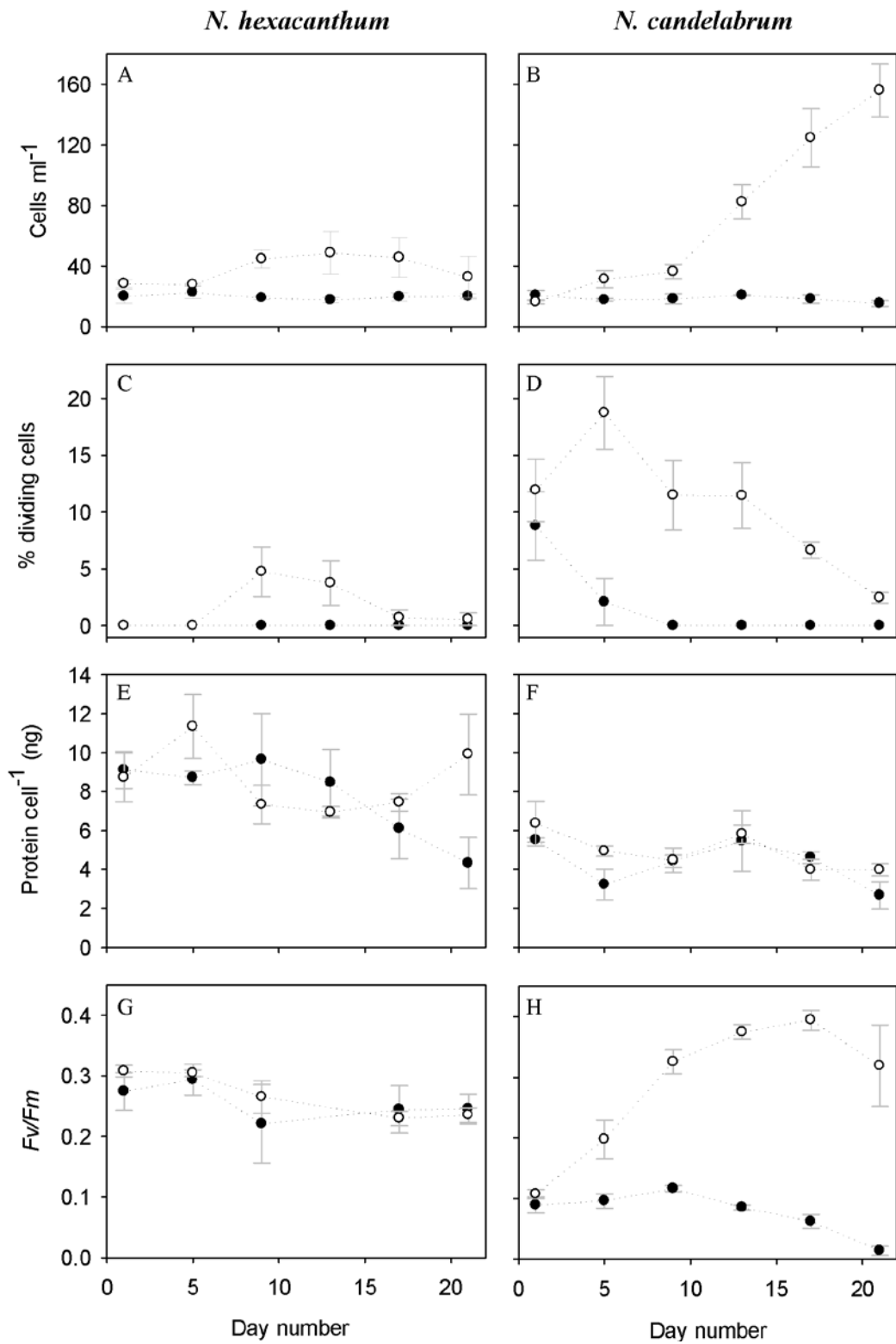


Fig. 1. Changes in *N. hexacanthum* and *N. candelabrum* cell numbers (A,B), % of dividing cells (C,D), protein cell⁻¹ (E,F) and *Fv/Fm* (G,H) over the course of 21 days, under two different nutrient treatments: LNSW (filled symbols) and RSW (hollow circles). Error bars represent the standard error of triplicate experimental flasks.

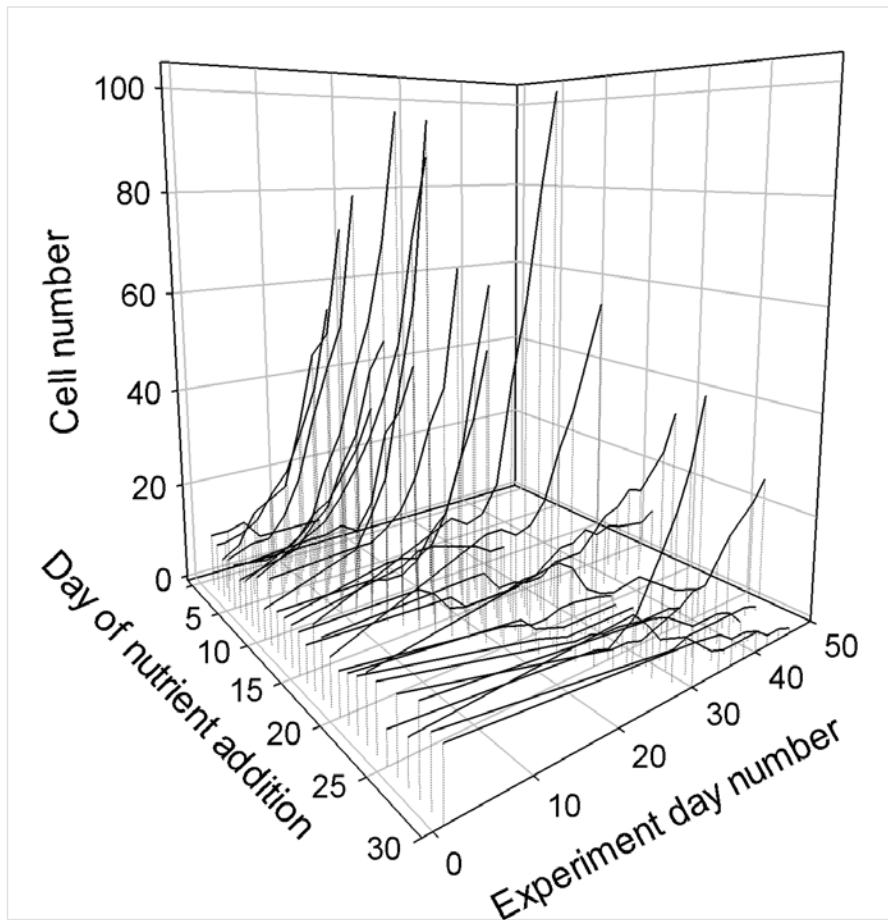


Fig. 2. Growth curves of *N. hexacanthum* demonstrating the effect of exposure to NAGSW for between 1 and 30 days. Changes in cell number (y-axis) for each day of nutrient addition (z-axis, day 1-30) over the course of 50 days (x-axis). The second drop-line for each growth curves represents the point at which nutrients were added.

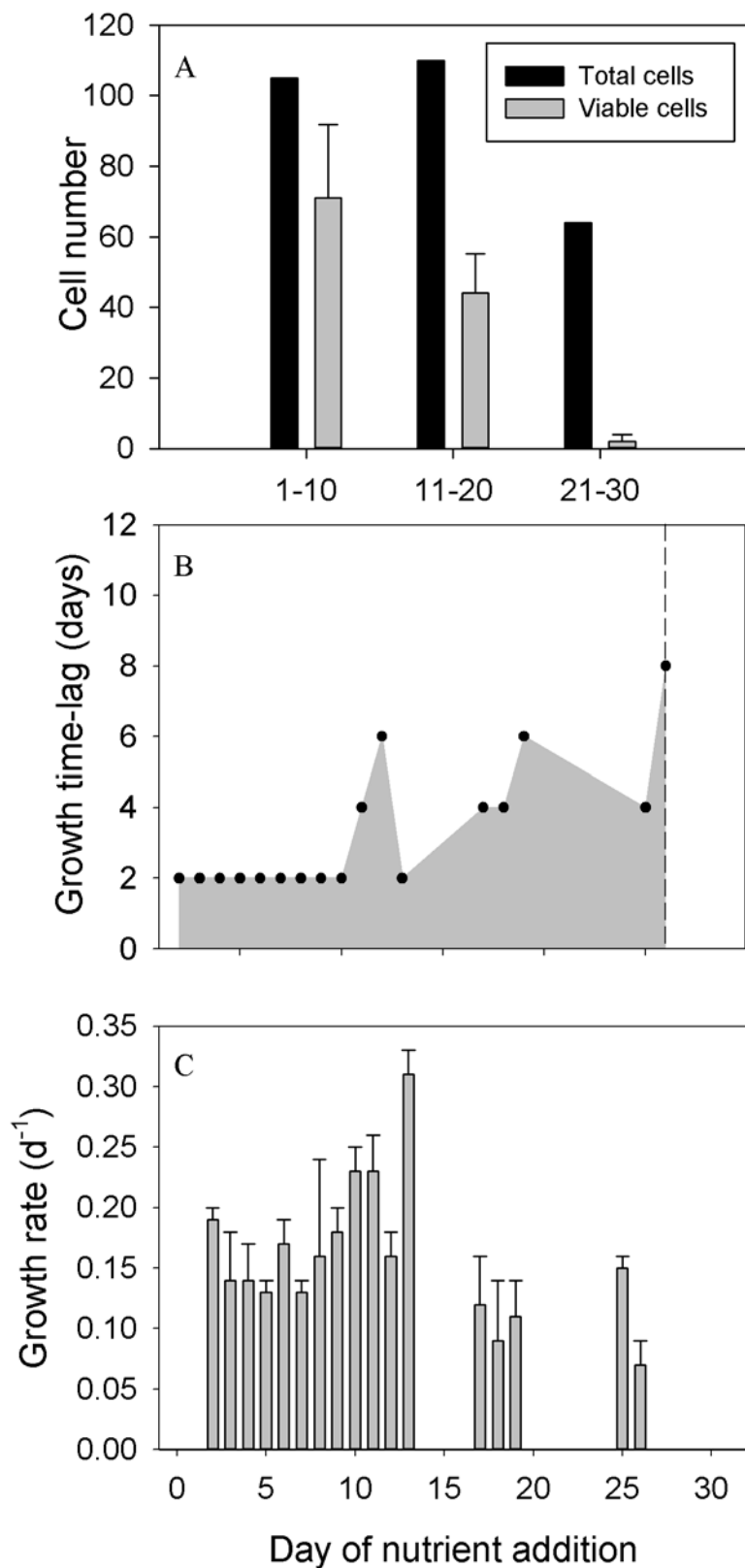


Fig. 3. Changes in the number of viable cells (A), time-lag in growth (B; dashed line represents maximum survival time), and growth rate (C) of *N. hexacanthum* cells exposed to NAGSW for 1-30 days. Error bars (A and C) represent the standard error of estimates made.

