



sea ice algal communities

D. Thomas 2004

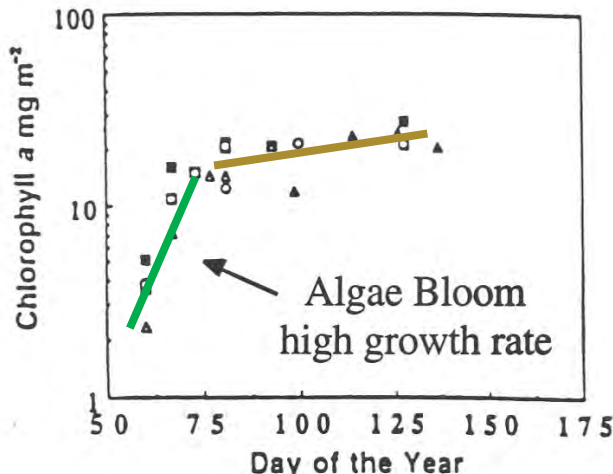
nutrient replenishment
controlled by ice permeability

biological activity turns on
or off according to
rule of fives

Golden, Ackley, Lytle *Science* 1998

Fritsen, Lytle, Ackley, Sullivan *Science* 1994

critical behavior of microbial activity



Convection-fueled algae bloom
Ice Station Weddell