



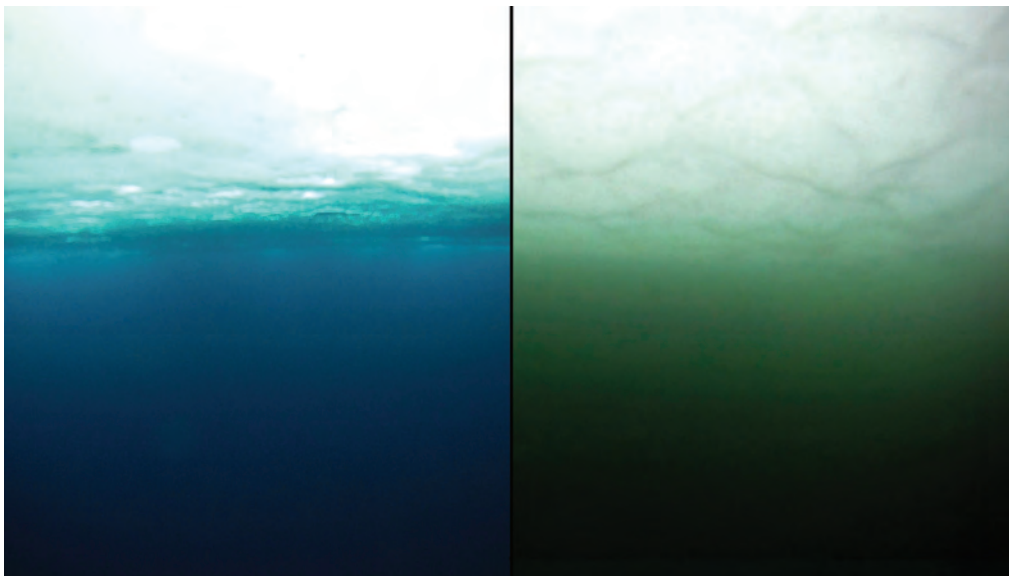
# 2011 massive under-ice **algal bloom**

Arrigo et al., *Science* 2012

melt ponds act as

**WINDOWS**

allowing light  
through sea ice



no bloom

bloom

***Have we crossed into a  
new ecological regime?***