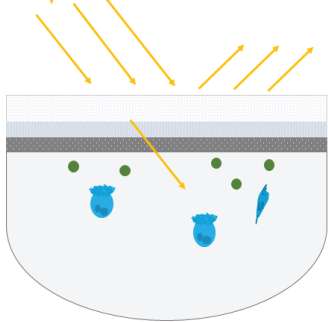


a)

Snow Cover
With White and Black Ice



b)

No Snow/Low White Ice



black ice thickness

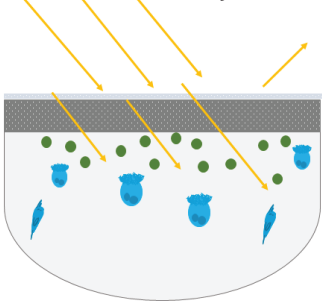


light penetration into
water column



chlorophyll-a
dissolved oxygen

No Snow Cover
Primarily Black Ice



PHYTOPLANKTON COMMUNITY

Shannon diversity

total biovolume

Chlorophytes (total and relative)

potential mixotrophs (relative)

ZOOPLANKTON COMMUNITY

99% rotifers



Shannon diversity

zooplankton density (500x)

Ascomorpha sp.