

# Tidewater glaciers: why are they so attractive to arctic top predators?

By Dr Harald Steen  
Norwegian Polar Institute  
Team:

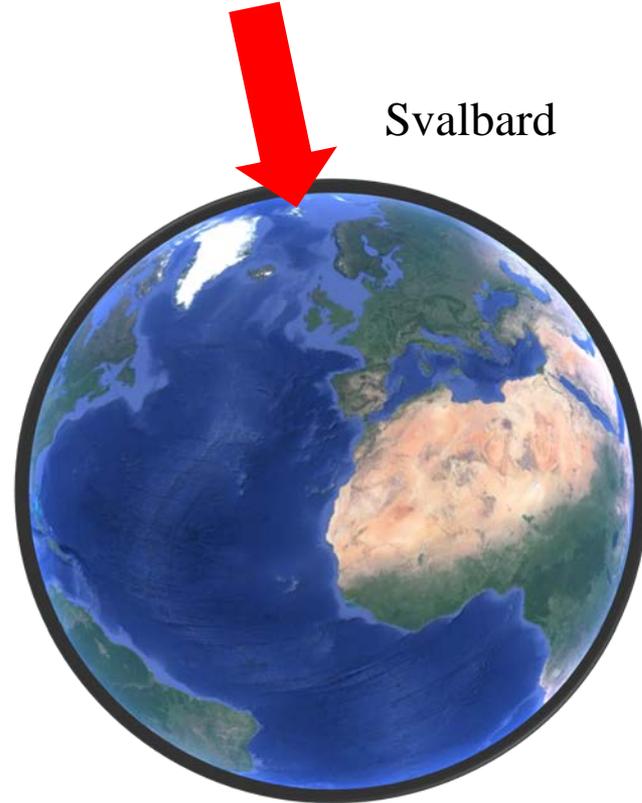
J. Kohler, P. Assmy, H. Hop, A. Sundfjord, A. Everett, P. Duarte, H. Strøm,  
S. Descamps, C. Lydersen, K. Kovacs



**TIGRIF**

**TW-ICE**

# Where is Svalbard?



# Kronebreen, Kongsfjorden in Svalbard

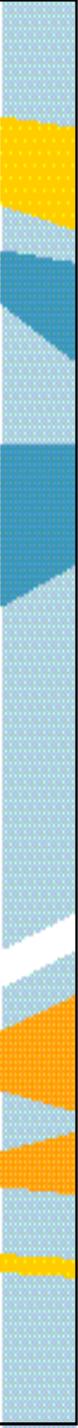
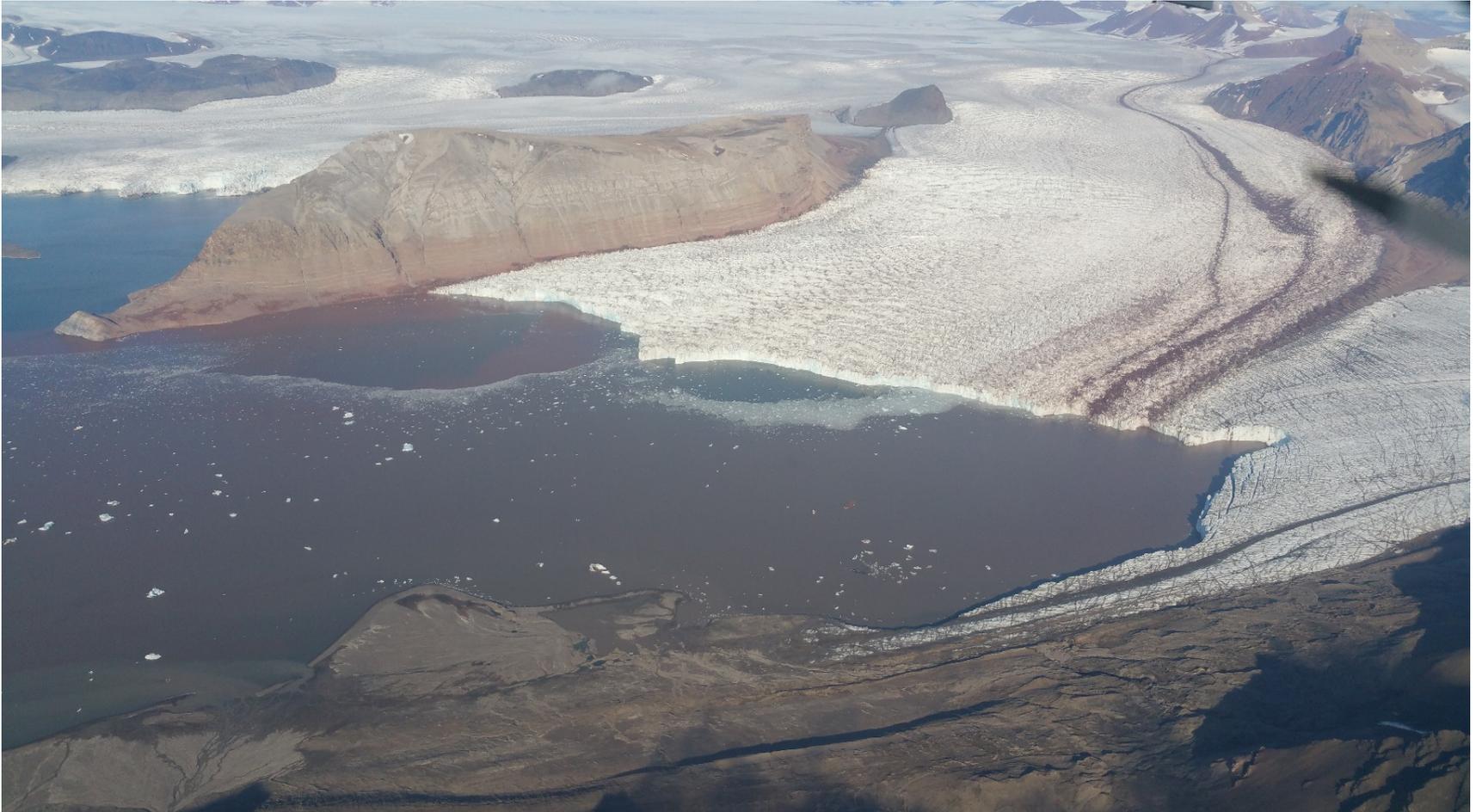
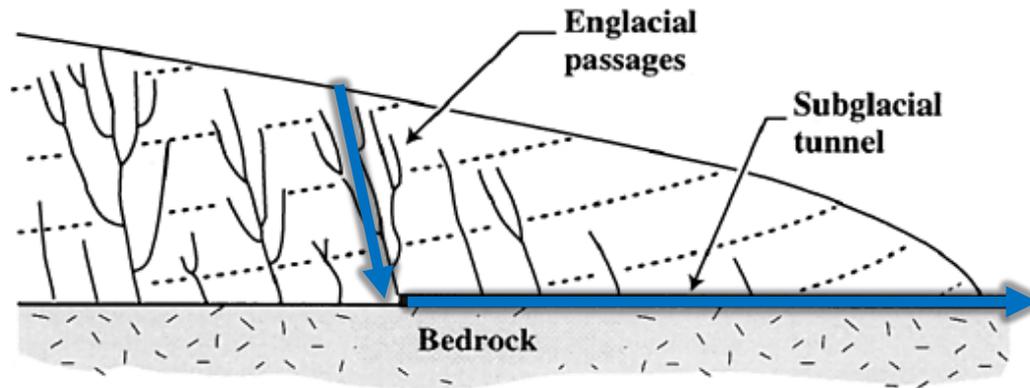




Photo: G.W. Gabrielsen /NPI





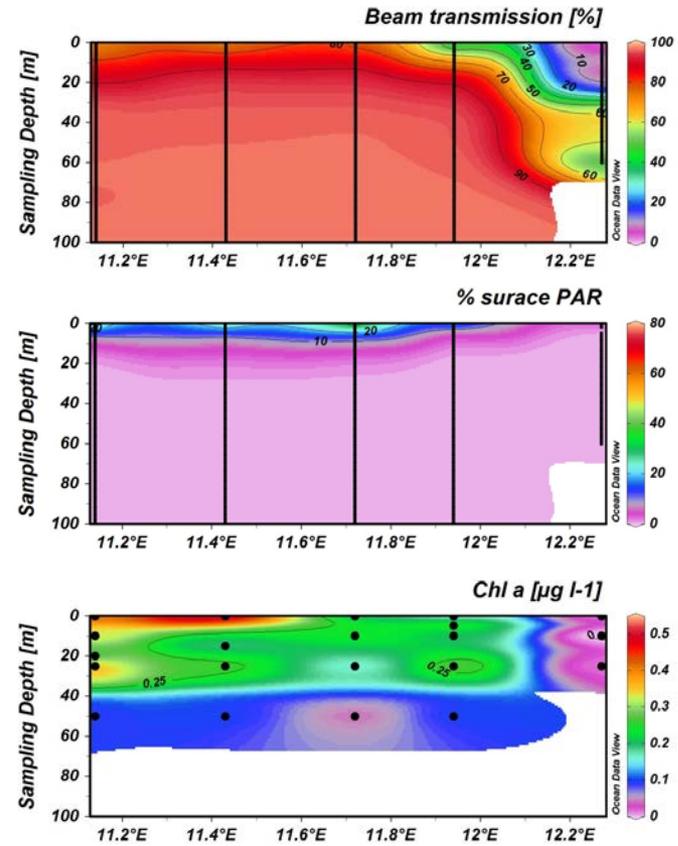
**Figure 4.** Fluid equipotentials (dotted curves) and a hypothetical network of arborescent englacial channels [after *Shreve*, 1985]. Reproduced with permission of the publisher, the Geological Society of America, Boulder, Colorado USA. Copyright © 1985 Geological Society of America.



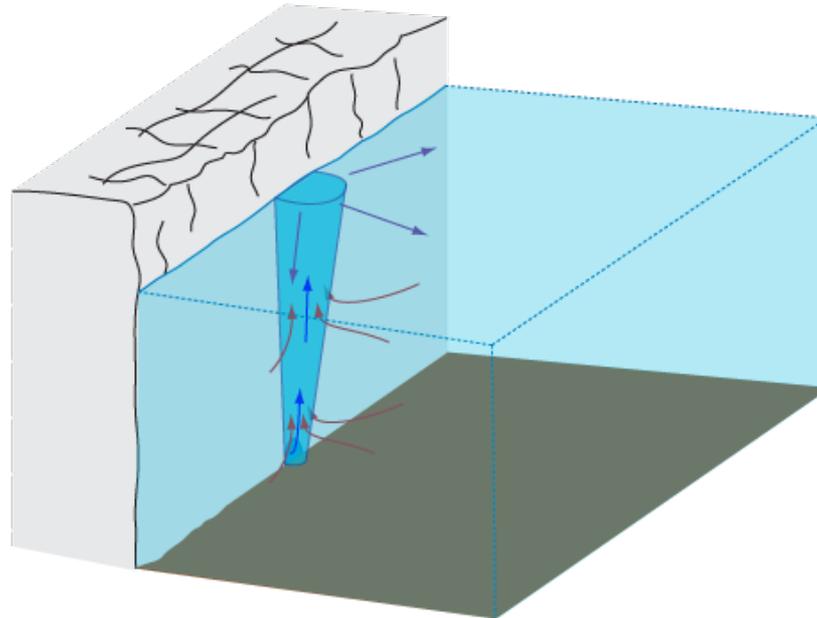
## High sediment load limits PP close to the glacier during summer

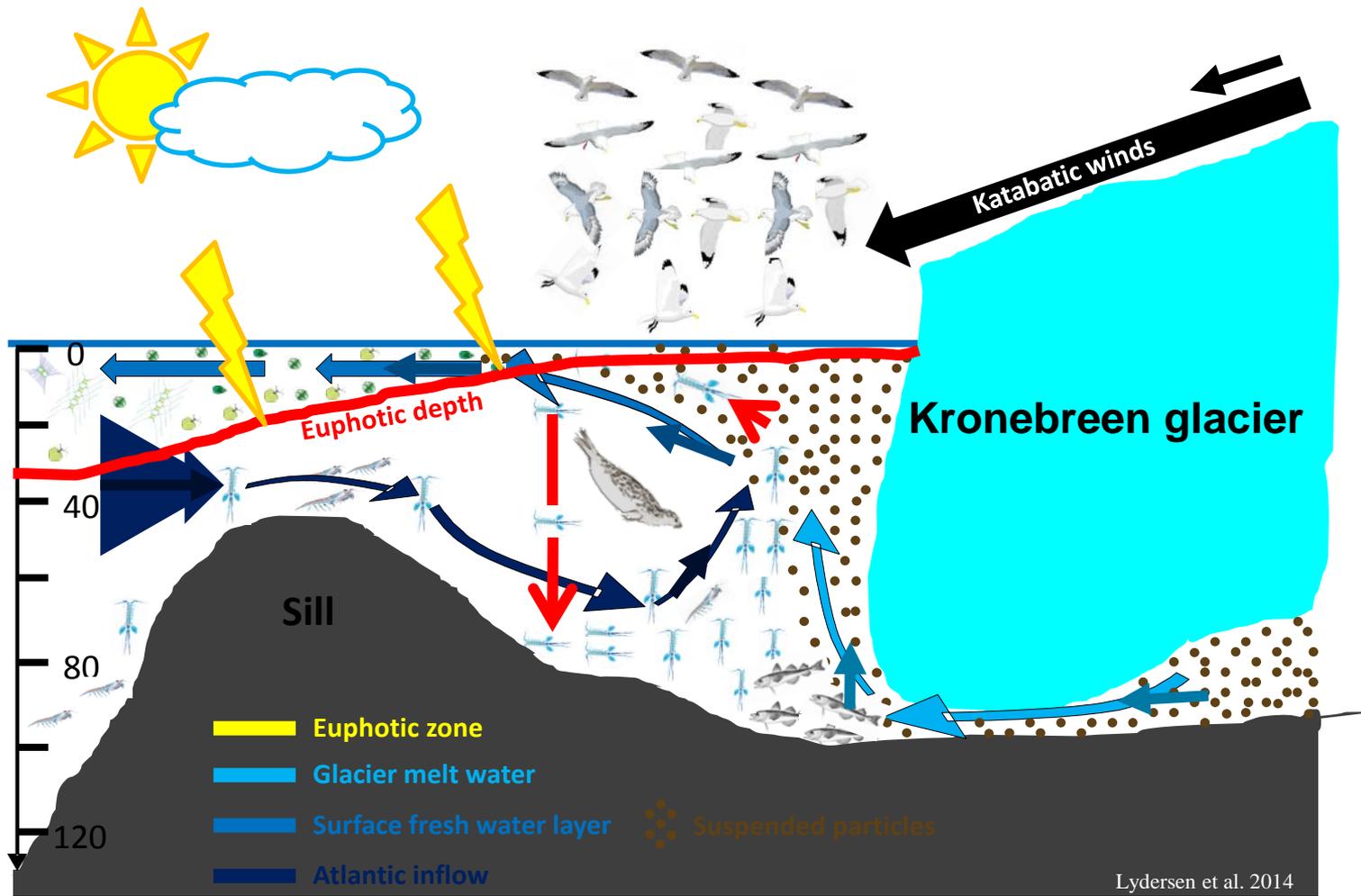


## KongHau transect 2011

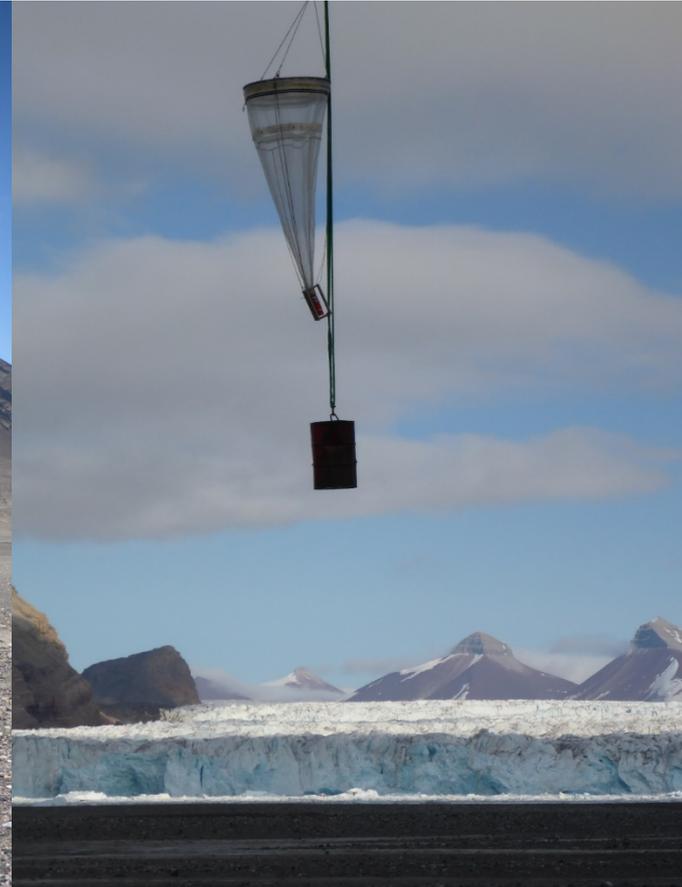


## Seawater is entrained and draw zooplankton and fish with it to the surface





# Sampling



# Sampling

