

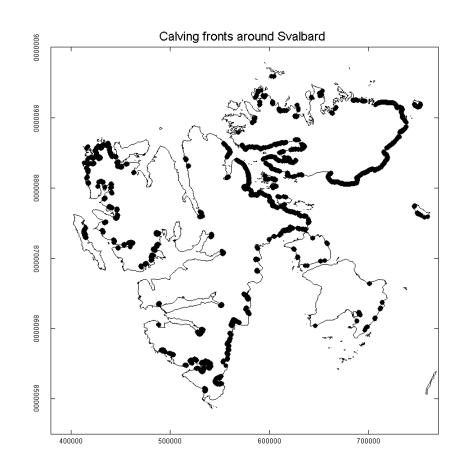
By Dr Harald Steen



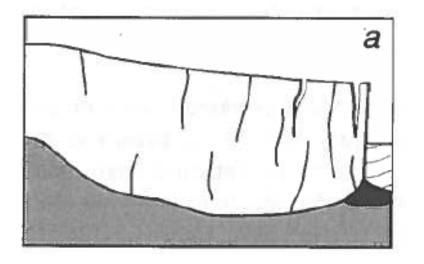




Svalbard tidewater glaciers



163 tidewater glaciers in Svalbard



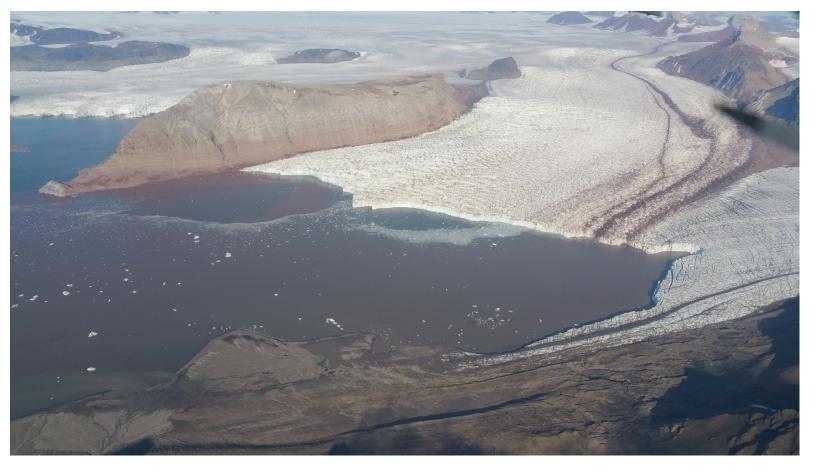
More than 60% of Svalbard ice drains via tidewater glacier

Total length of calving ice-cliffs is 860 km

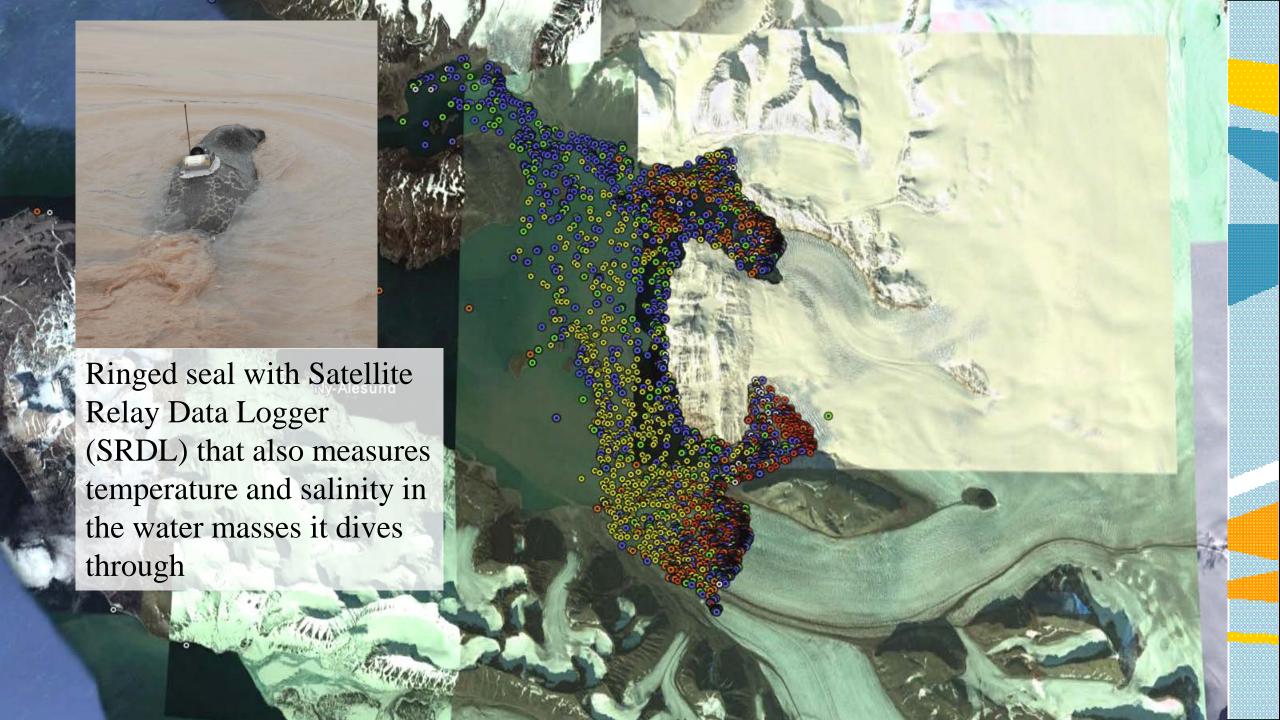




Kronebreen, Kongsfjorden in Svalbard











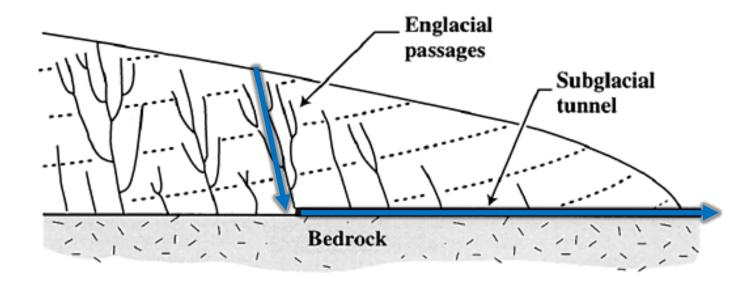


Figure 4. Fluid equipotentials (dotted curves) and a hypothetical network of arborescent englacial channels [after *Shreve*, 1985]. Reproduced with permission of the publisher, the Geological Society of America, Boulder, Colorado USA. Copyright @ 1985 Geological Society of America.



High sediment load limits PP close to the glacier during summer

11.2°E

11.4°E

11.6°E

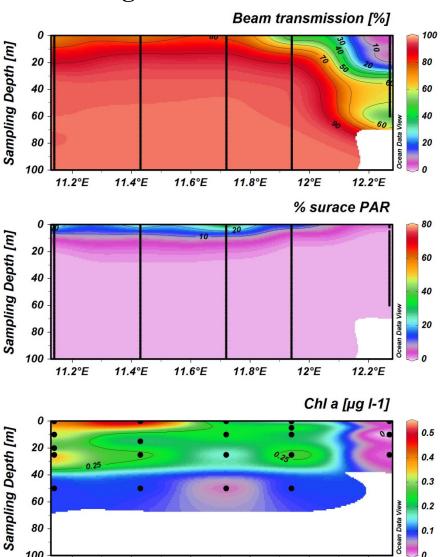
11.8°E

12°E

12.2°E

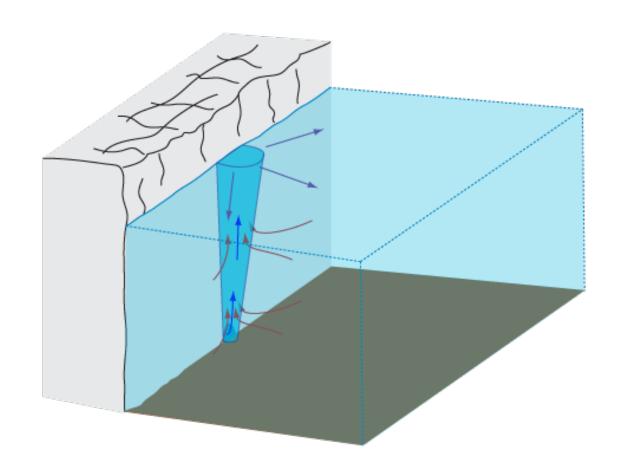


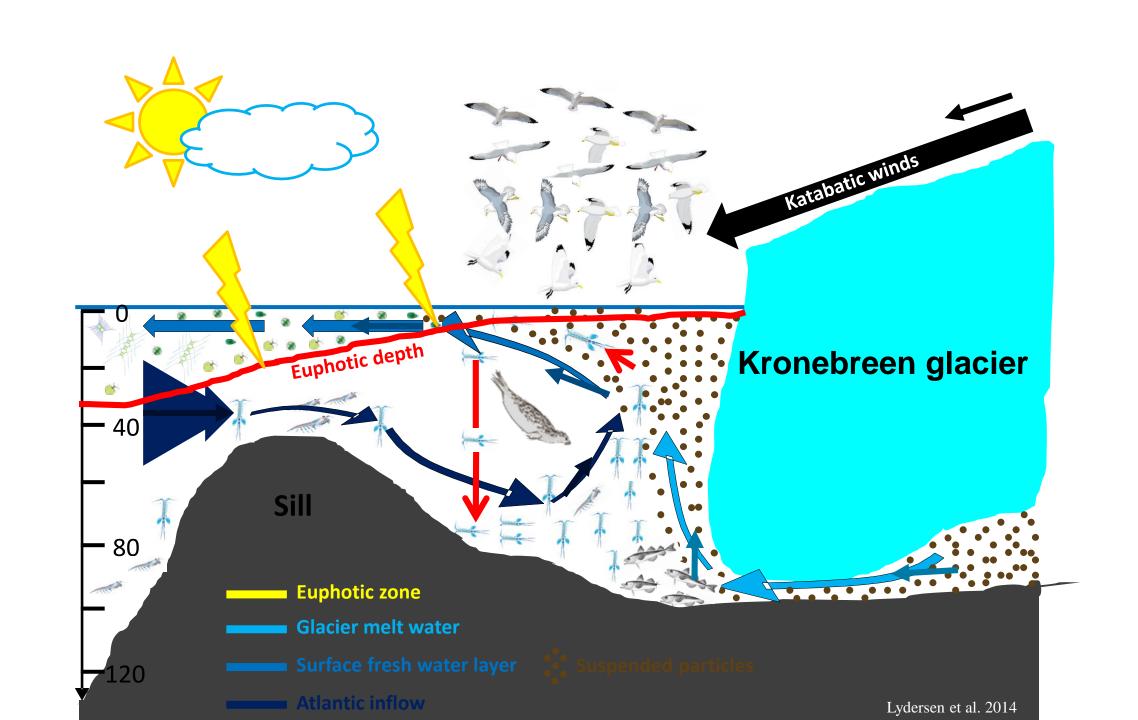
KongHau transect 2011





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









Zooplankton

Zooplankton biomass was as further out in the fjord

Not support for the «death trap» hypothesis

