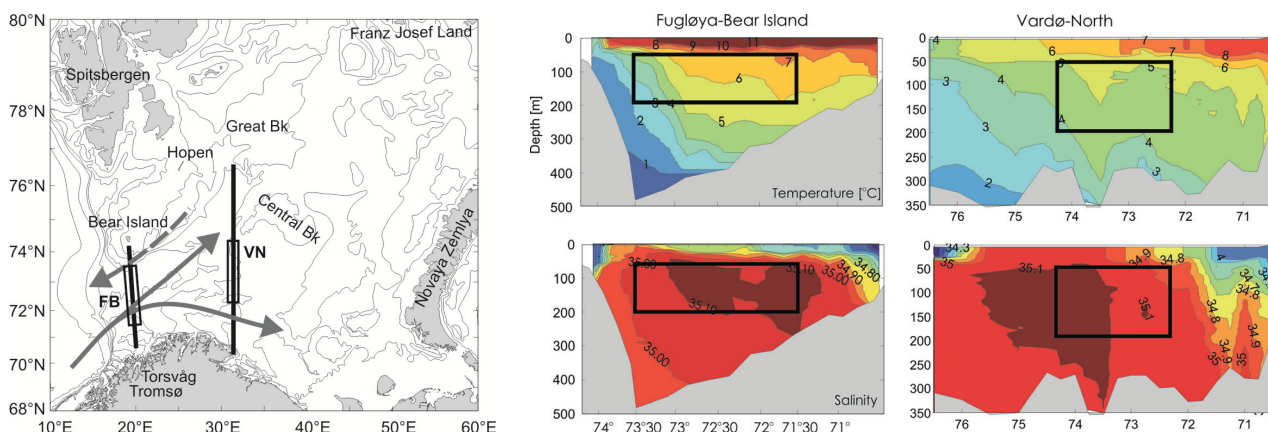


## SJØMIL

The standard sections Fugløy-Bear Island and Vardø-North is located in the southwestern part of the Barents Sea (Figure 1). The sections cover the coastal and atlantic inflow to the Barents Sea, and the outflow of colder water masses in the northern part of the Bear Island Trench. Recorded parameters are temperature and salinity. The sections has been sampled annually since 1953 (Vardø-North) and 1964 (Fugløy-Bear Island), and 4 (Vardø-North) and 6 (Fugløy-Bear Island) times each year since 1977.

To provide time series of the temperature and salinity in the Atlantic inflow, average temperatures between 50 and 200 m in the area where the main atlantic inflow take place is calculated (Blindheim and Loeng, 1981). For the Fugløy-Bear Island section it is the area between 71°30'N and 73°30'N, and for Vardø-North the area between 72°15'N and 74°15'N is used.



**Figure 1:** The left panel show the location of the standard sections Fugløy-Bear Island (FB) and Vardø-North (VN). Full section (thick line) and area where average temperatures are calculated (box) are shown. The right panels show examples of temperature and salinity sampled at the sections, and the area within the section from where average values are found.

### Reference:

Blindheim, J. and Loeng, H. 1981. On the variability of Atlantic influence in the Norwegian and Barents Seas. Fiskeridirektoratets Skrevne Serie for Havundersøkelser, 17: 161-189.