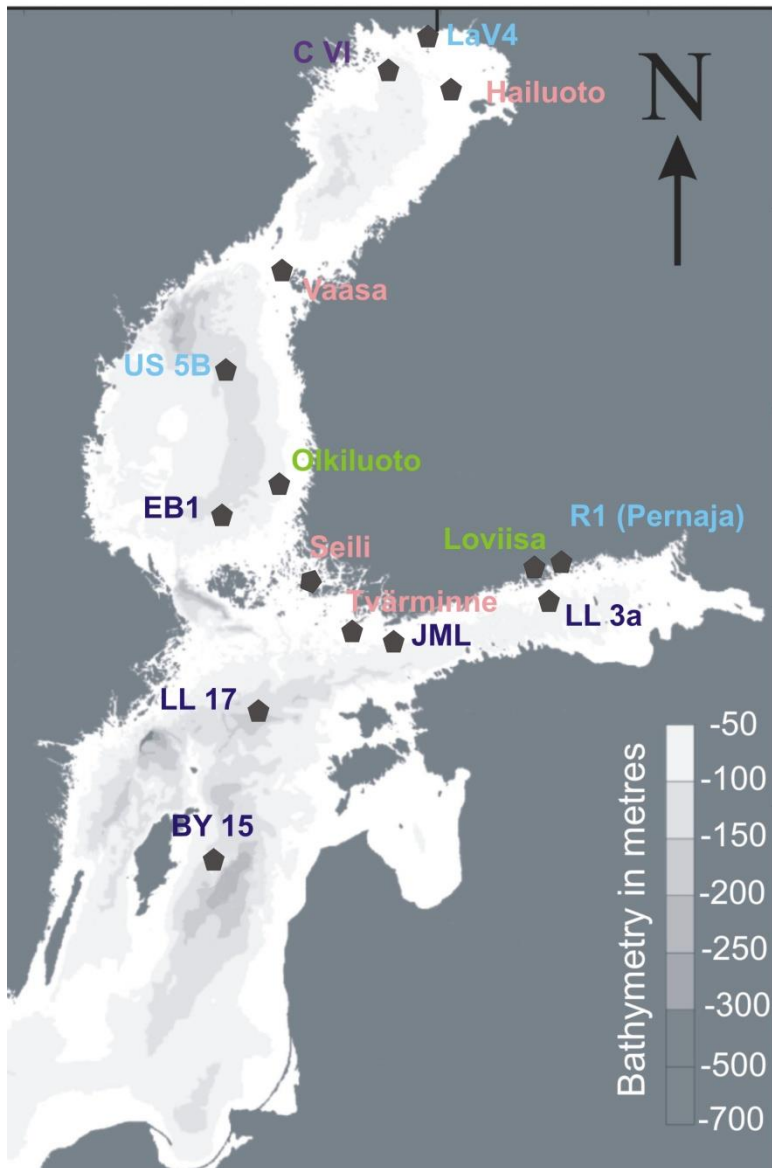


# Monitoring of Radionuclides in the Baltic Sea in 2014

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*Bathymetric data, Seifert et al. 2001*

## Sampling stations & samples

Seawater samples: 11 stations

Sediment samples: 6 stations

Biota samples: 6 stations

Sea Water samples

Fish samples

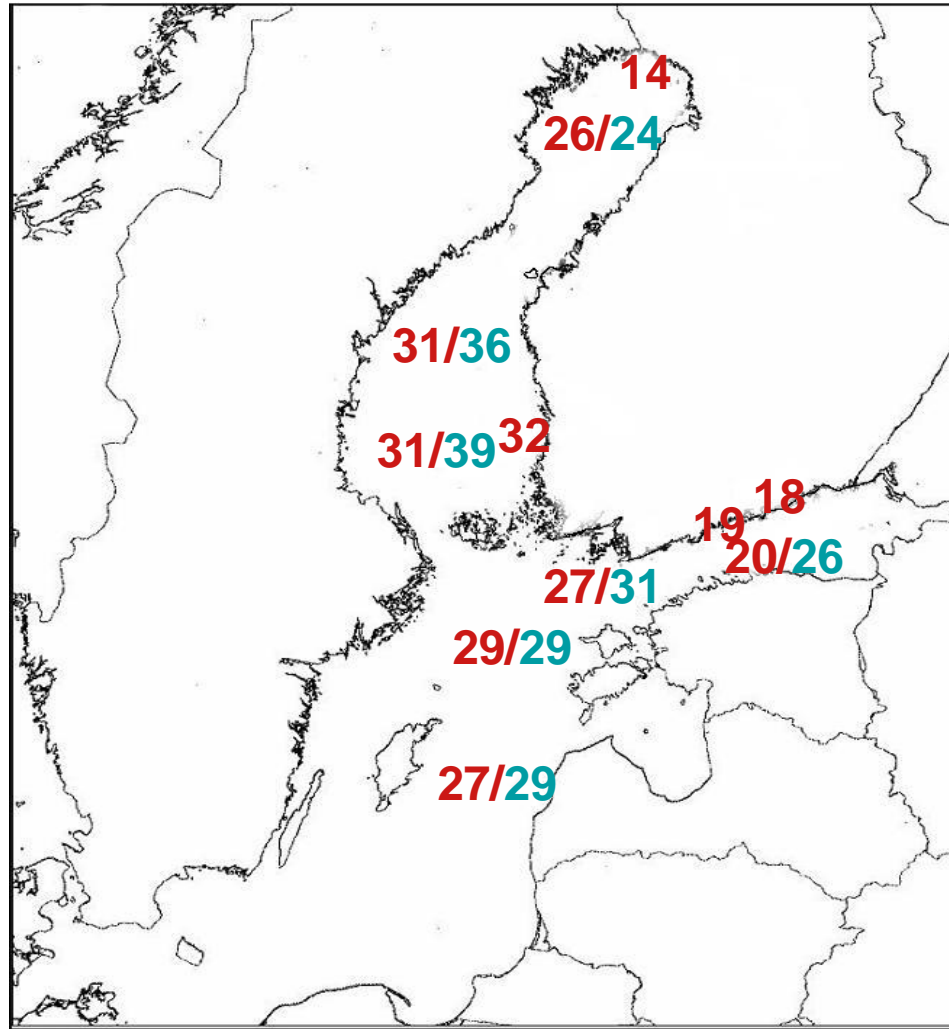
Sea Water and Bottom Sediment samples

Sea Water+ Fish+ Other Biota

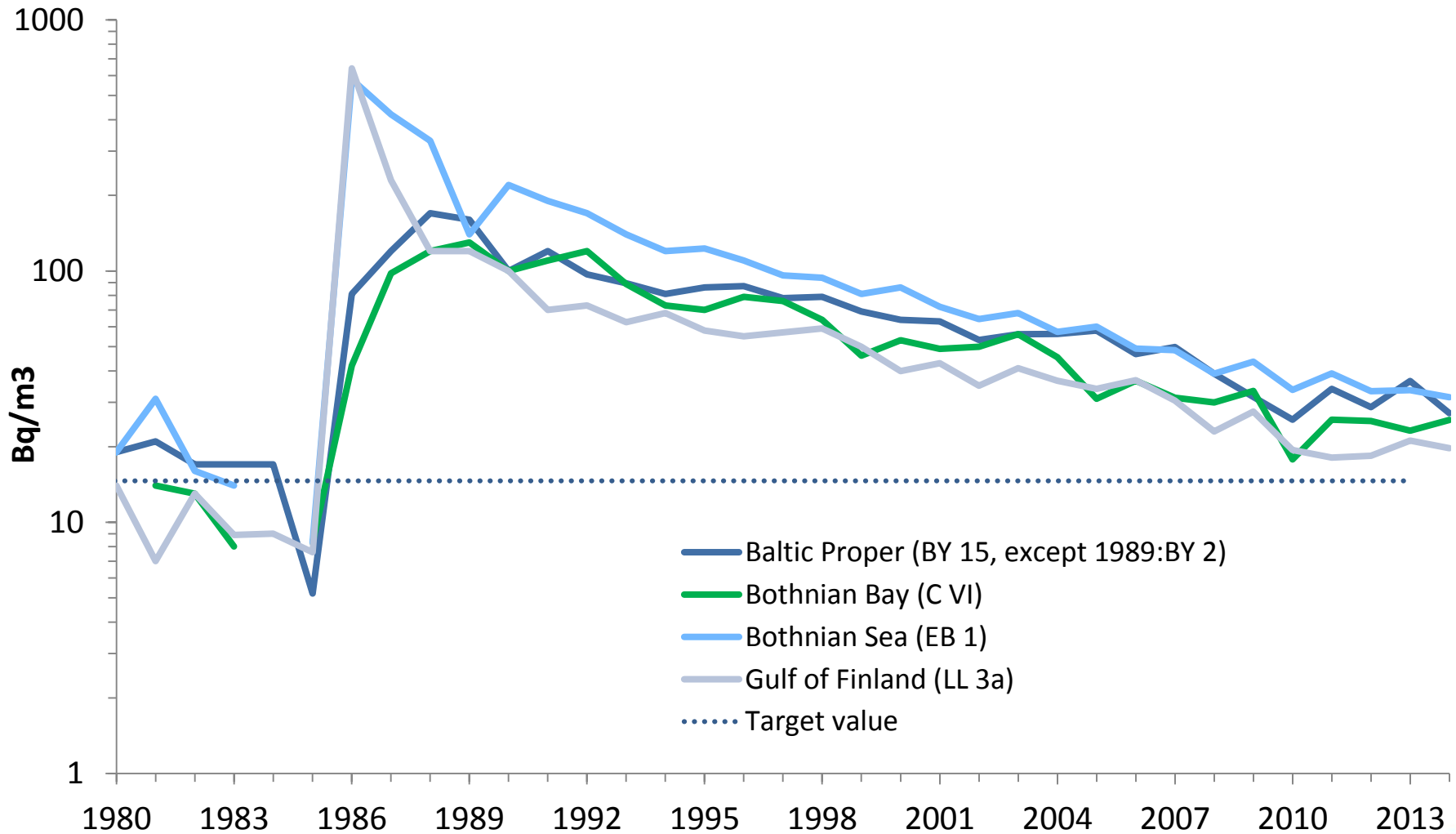
# Cs-137 in seawater (Bq/m<sup>3</sup>) in 2014

surface

bottom

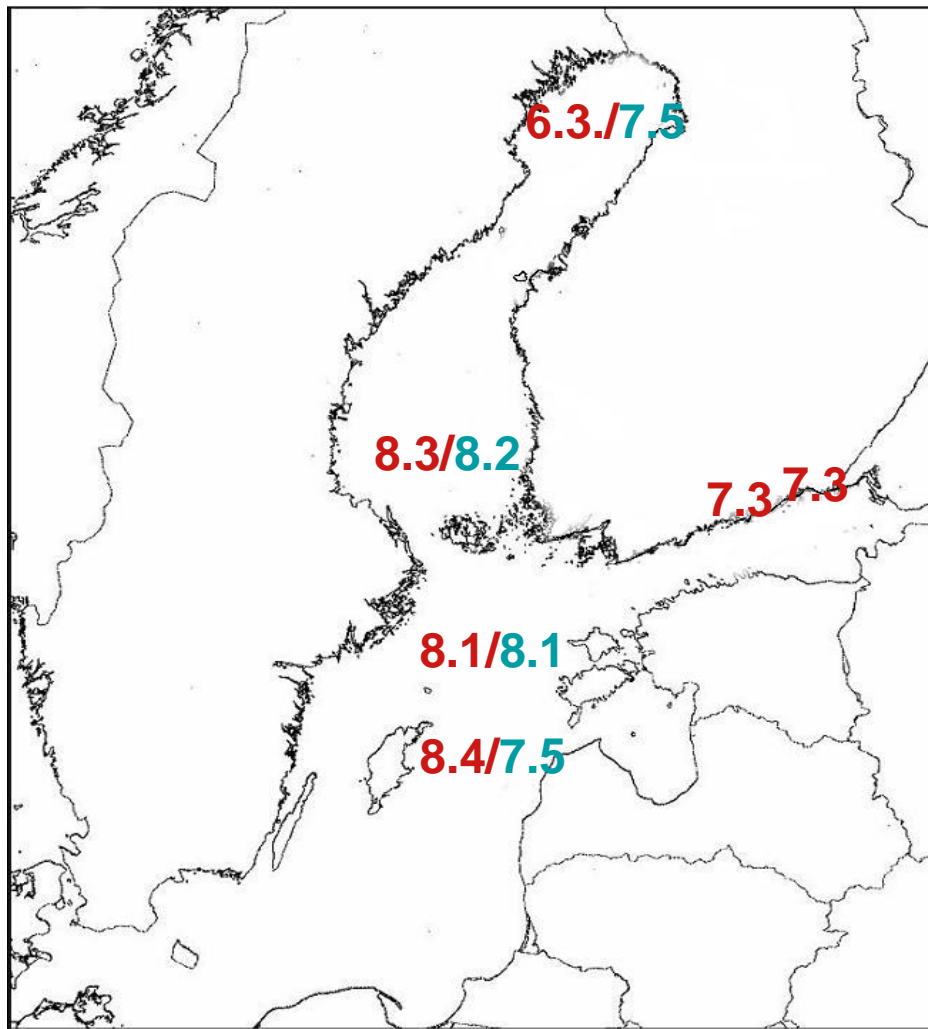


# Cs-137 concentrations in surface water in different part of the Baltic Sea between 1980 - 2014



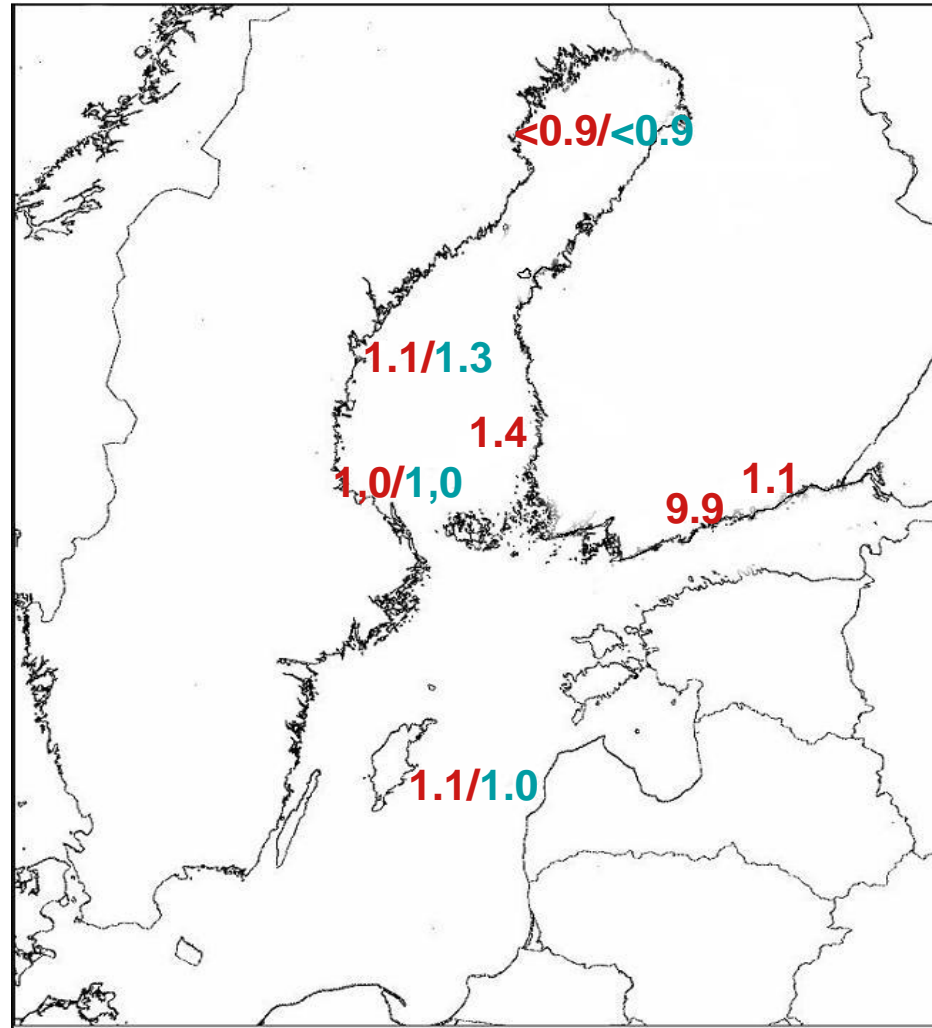
# Sr-90 in seawater (Bq/m<sup>3</sup>) in 2014

Surface/Bottom

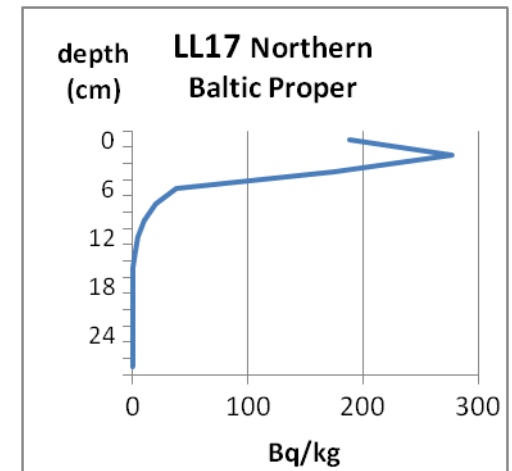
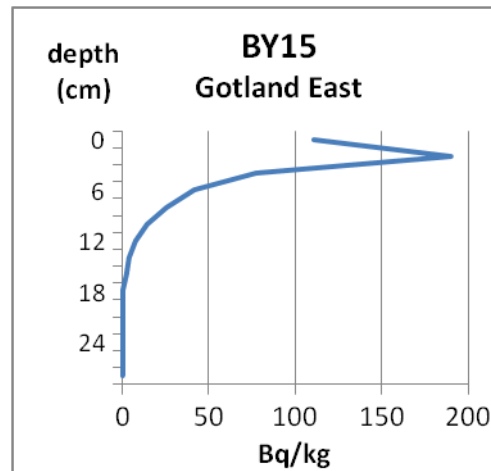
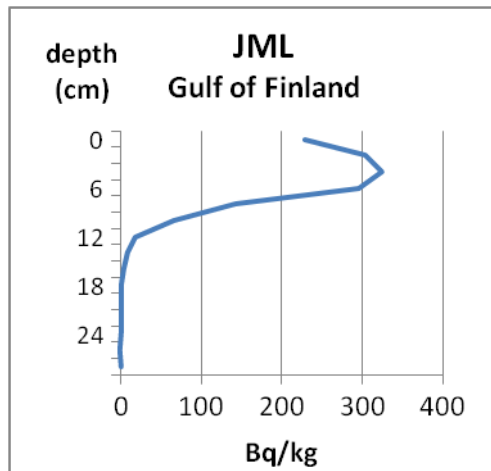
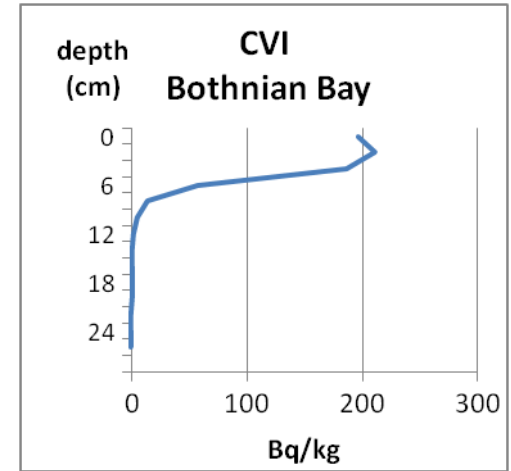
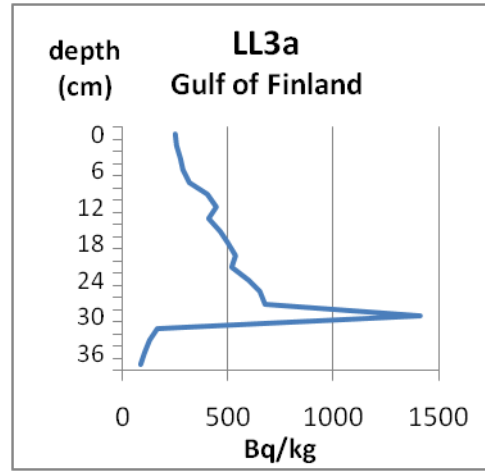
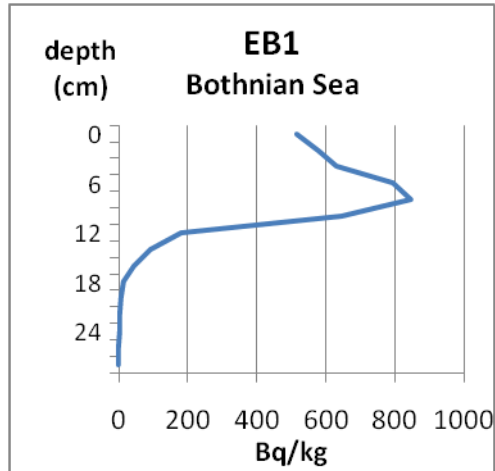


# $^3\text{H}$ in seawater (Bq/l) in 2012

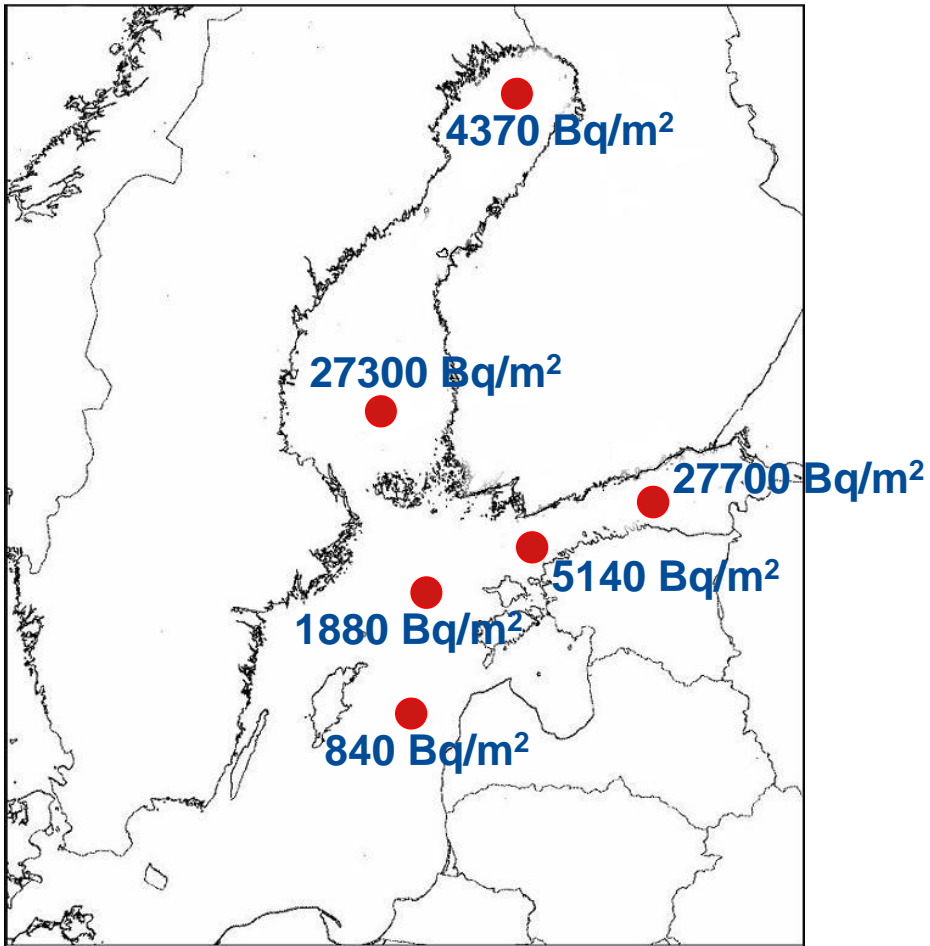
Surface/Bottom



# Concentrations of $^{137}\text{Cs}$ (Bq/kg) in sediment as a function of depth in 2014

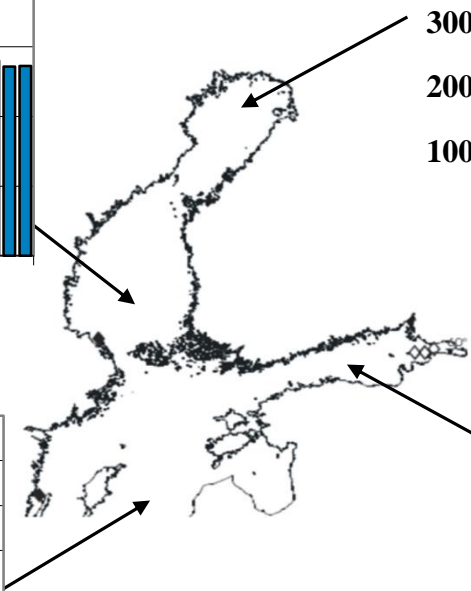
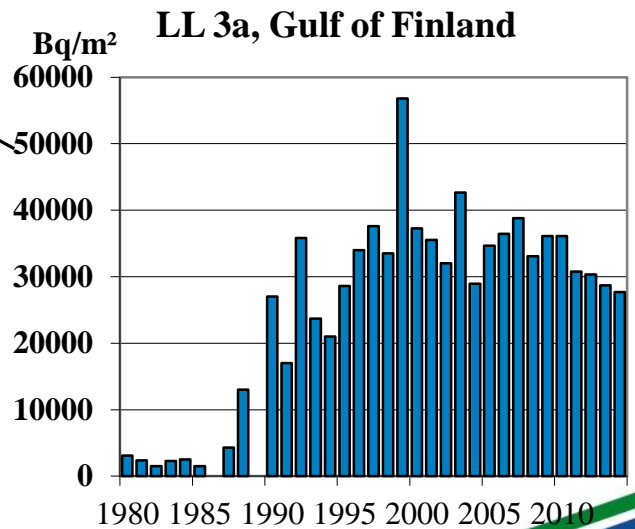
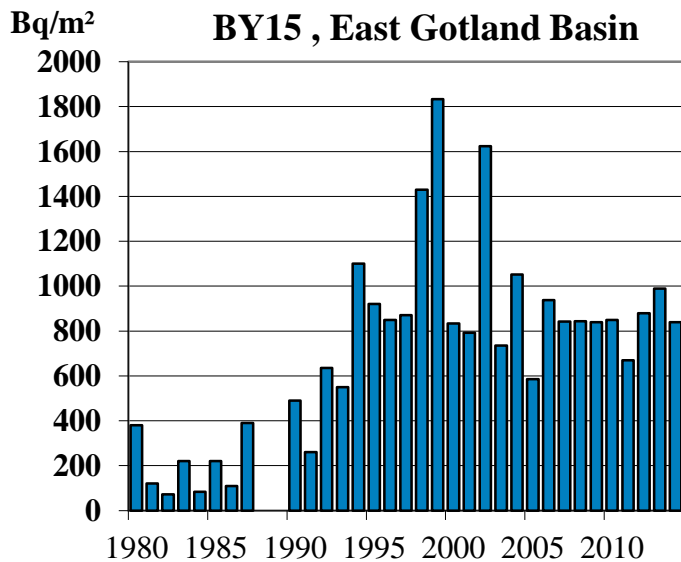
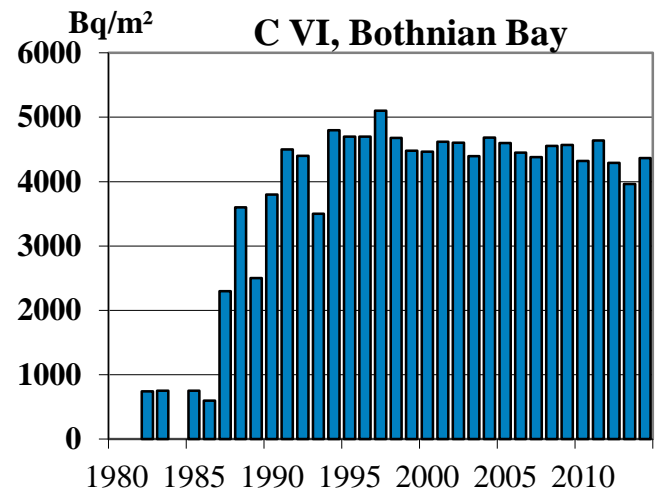
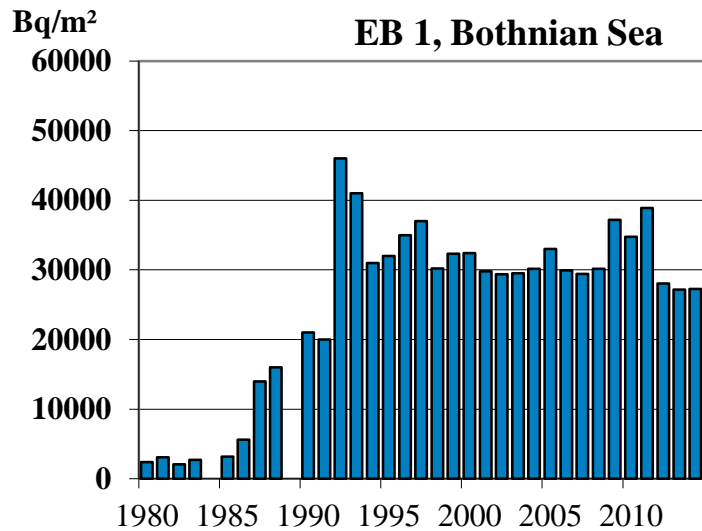


# $^{137}\text{Cs}$ in the Baltic Sea sediments 2014



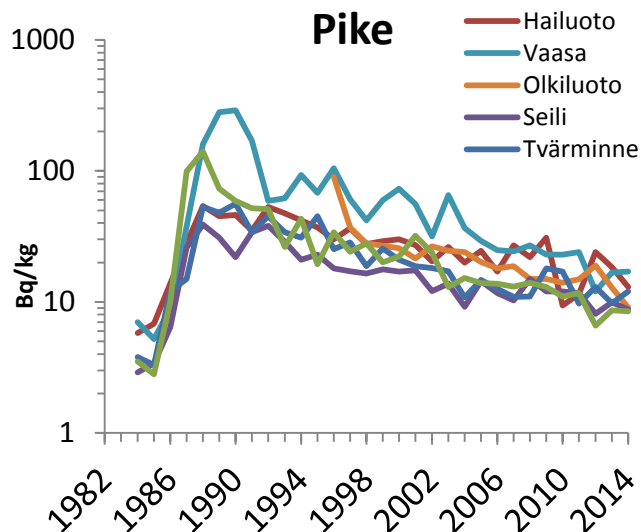
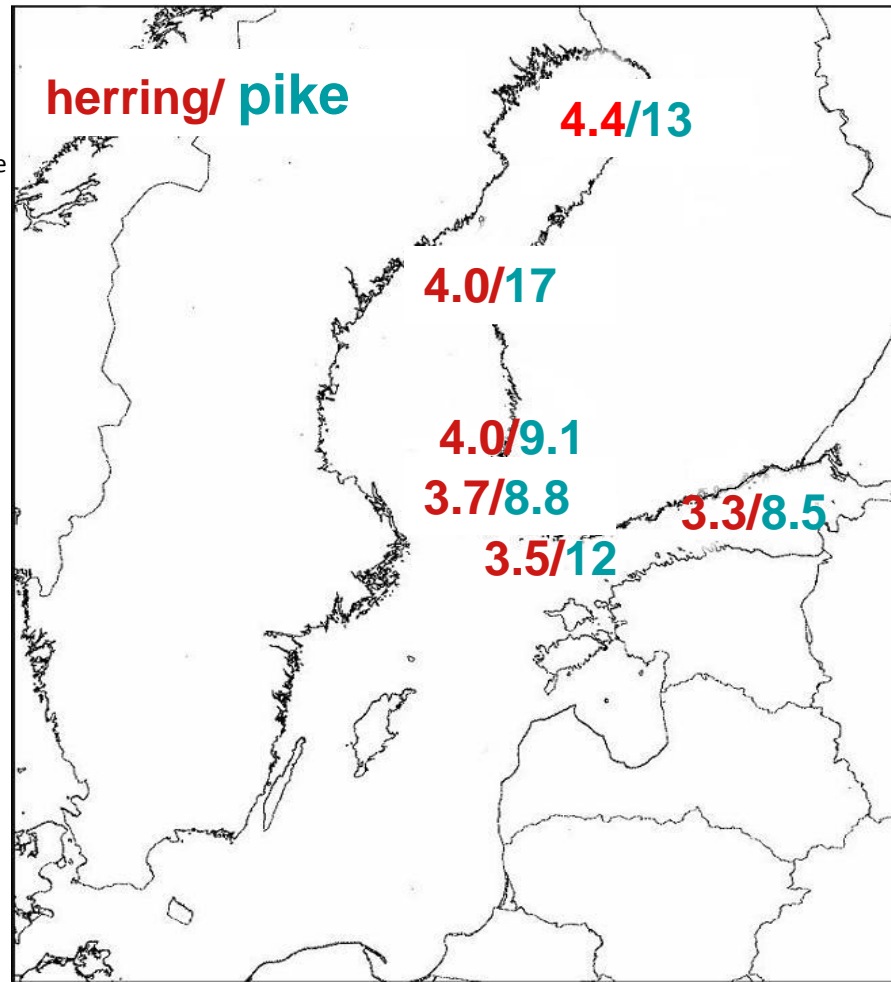
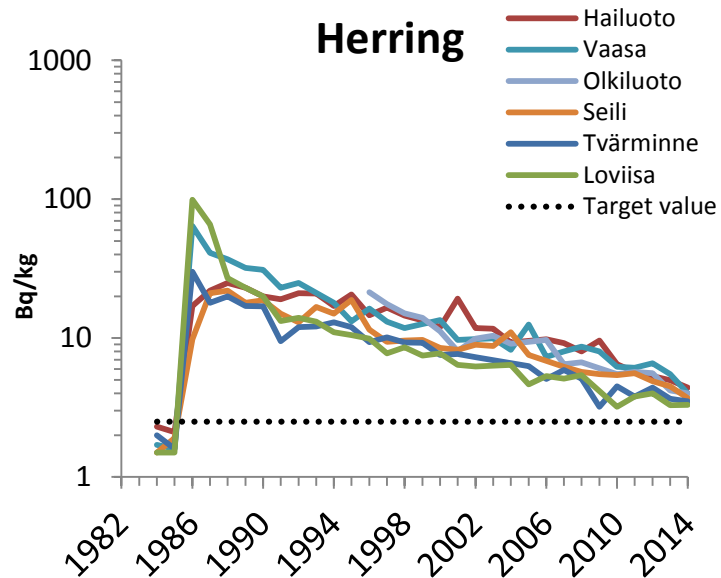


# $^{137}\text{Cs}$ in Baltic Sea soft sediments 1980-2013



Note different scale in graphs

# Cs-137 in fish (Bq/kg f.w.) in 2014



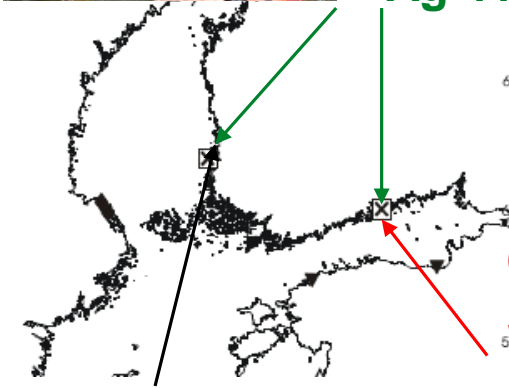
Sr-90 in herring : 0,025-0,056 Bq/kg

Sr-90 in pike: 0,012-0,019 Bq/kg

# Concentrations in plants and bottom animals (Bq/kg d.w. ) in 2013



***Fucus vesiculosus***  
**Cs-137 : 21-25**  
**Co-60 : 2.5**  
**Ag-110m: 1.7**



***Saduria entomon***  
**Cs-137 : 11**  
**Sr-90 : 9.8**  
**Ag-110m: 5.3**  
**Co-60: 0.43**

***Mytilus Edulis***

**Cs-137 : 1.2**  
**Sr-90 : 9.1**

