Sea temperature affects the number of adult female salmon lice (*Lepeophtheirus salmonis*) on Atlantic salmon (*Salmo salar*)

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Material and methods

- → Compared temperature to number of salmon lice
- → Compared data from facilities:
  - Davatluft – Alta, northern Norway
  - Skavhella – Bjørnafjorden, western parts of Norway
- → Data retrieved from Barentswatch from week 1-38 in 2022

Figure 1 - *facilities studied. Davatluft facility (orange dot) and Skavhella facility (blue dot)*

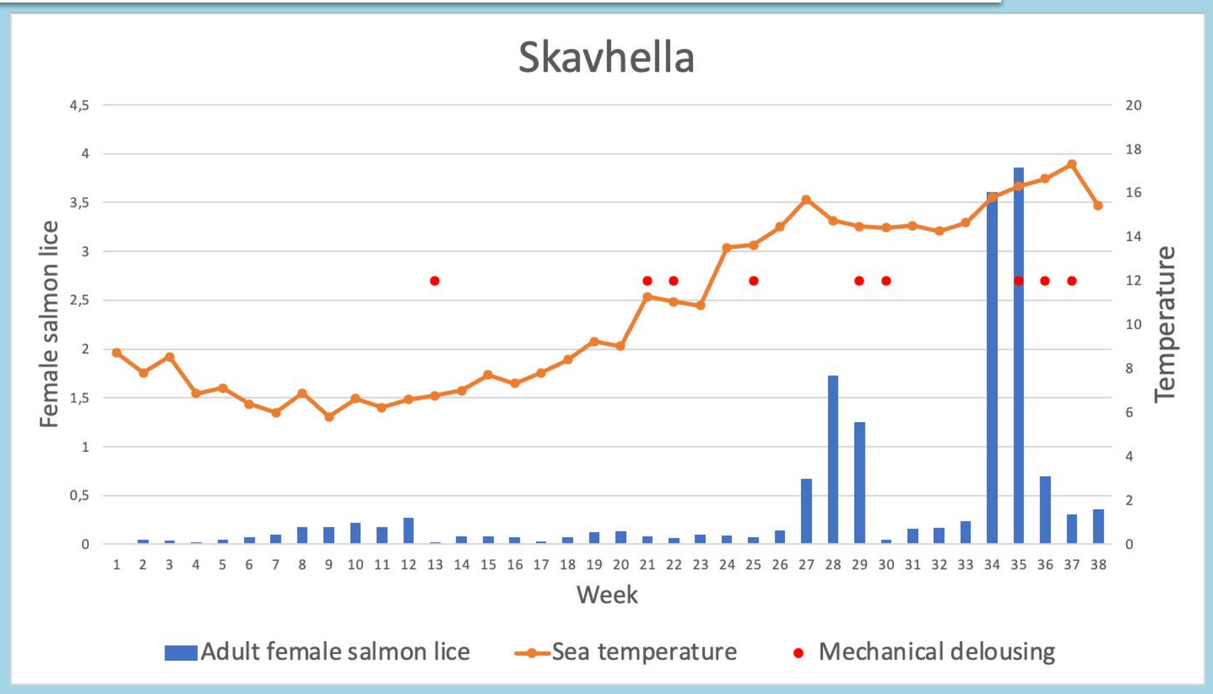

Figure 2 - *Number of adult female salmon lice on Atlantic salmon at Skavhella facility in Bjørnafjorden municipality, western Norway.*

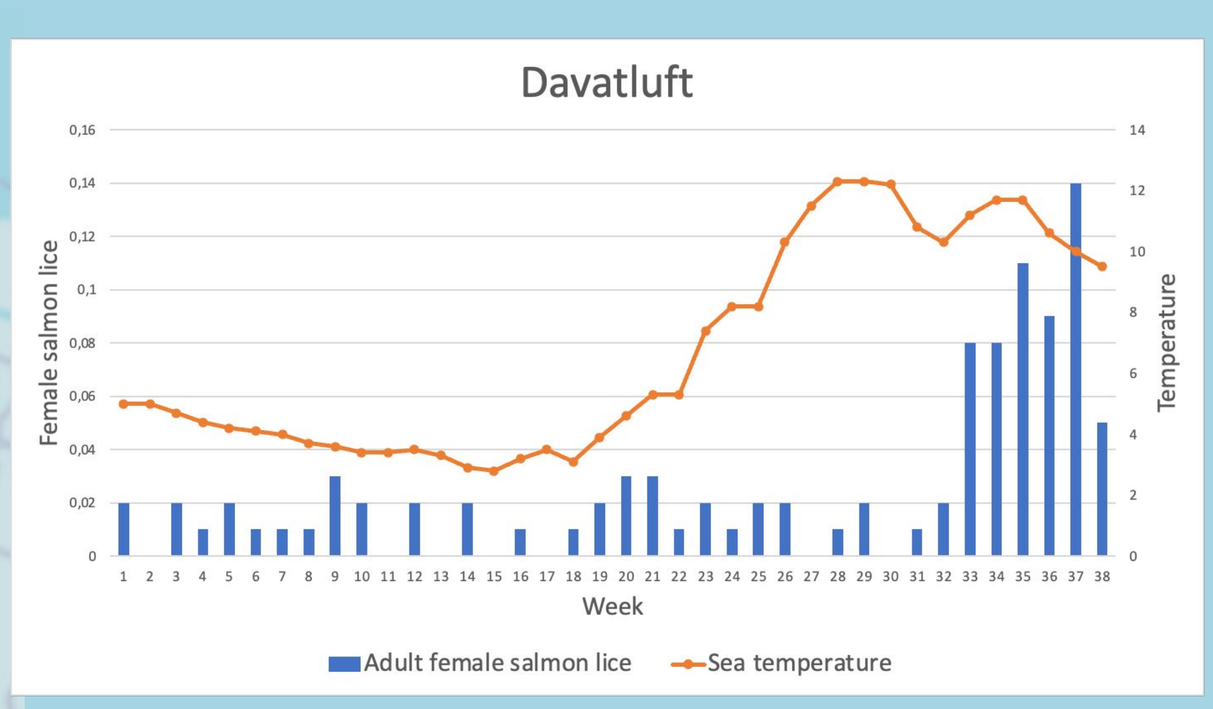

Figure 3 - *Number of adult female salmon lice on Atlantic salmon at Davatluft facility in Alta municipality, northern Norway.*

Results

- ➢ Lice numbers were lower in Davatluft during the entire time period
- ➢ Lice numbers were also lower during the winter months than the summer months for both localities

Conclusion

- ➢ Changes in sea temperature throughout the year affects salmon lice number on Atlantic salmon

References:

(1) Barentswatch (2022a) Available from: https://www.barentswatch.no/ (downloaded 04.10.22)

(2) Barentswatch (2022b) Lusedata fra Davatluft. Available from: https://www.barentswatch.no/fiskehelse/fishhealthogram/37557/2022/40 (downloaded 04.10.22)

(3) Barenthttps://www.barentswatch.no/fiskehelse/fishhealthogram/22315/2022/40 (downloaded 04.10.22)
swatch (2022c) Lusedata fra Skavhella. Available from: https://www.barentswatch.no/fiskehelse/fishhealthogram/22315/2022/40 (downloaded 04.10.22)

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