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Taskforce lakselus

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Vitenskapelige publikasjoner

Misund A. U. (2019) From a natural occurring parasitic organism to a management object: Historical perceptions and discourses related to salmon lice in Norway. Marine Policy 99: 400-406.

Jevne L. S. and Reitan K. I. (2019) How are the salmon lice (*Lepeophtheirus salmonis* Krøyer, 1837) in Atlantic salmon farming affected by different control efforts: A case study of an intensive production area with coordinated production cycles and changing delousing practices in 2013-2018. Journal of Fish Diseases 42: 1573-1586. DOI: 10.1111/jfd.13080

Jevne, L. S., Øvrelid, M. S., Hagemann, A., Bloecher, N., Steinhovden, K. B., Båtnes, A. S., Olsen, Y., Reitan, K. I. (2020). Biofouling on Salmon Pen Nets and Cleaner Fish Shelters Does Not Harbor Planktonic Stages of Sea Lice. Frontiers in Marine Science, 7:727. doi: 10.3389/fmars.2020.00727

Guragain P., Sporsheim B., Skjesol A., Båtnes A. S., Olsen Y., Bones A. M., and Winge P. (2020) Phenylalanine hydroxylase RNAi knockdown negatively affects larval development, molting and swimming performance of salmon lice. Frontiers in Marine Science. doi: 10.3389/fmars.2020.608463

Jevne, L. S., Guttu, M., Båtnes, A. S., Olsen, Y., Reitan, K. I. (2021) Planktonic and Parasitic Sea Lice Abundance on Three Commercial Salmon Farms in Norway Throughout a Production Cycle. Frontiers in Marine Science. doi: 10.3389/fmars.2021.615567

Populærvitenskapelige artikler

Båtnes A. S., Bones A. M., Finstad B., Guragain P., Guttu M., Jevne L. S., Miljeteig C., Nytrø A. V., Olsen R. E., Reitan K. I., Winge P., Østerhus S. og Olsen Y. (2020) Prosjektet «Taskforce lakselus – mekanismer bak spredning av lakselus». NFExpert 2020/1: 20-24.
https://www.kyst.no/profile/magazines/130817

Rapporter

Misund A. U. (2017) Lakselus på villfisk – en kvalitativ studie av laksefiskere i sjø sine beskrivelser av og erfaringer med lakselus.

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Doktorgrader

Jevne L. S. (2020) Development and dispersal of salmon lice (*Lepeophtheirus salmonis* Krøyer 1837) in commercial salmon farming localities. NTNU https://hdl.handle.net/11250/2656444

Masteroppgaver

Ingebrigtsen, Henriette (2017) Molecular quantification of sea lice in and around sea cages - A study comparing the molecular quantification method qPCR against a conventional method. NTNU http://hdl.handle.net/11250/2446614

Øvrelid, Margrete Slåtsve (2017) Characterization of planktonic sea lice distribution and association to fish farm installations. NTNU http://hdl.handle.net/11250/2446823

Torres Puerto, Juan Carlos (2018) Effects of salmon crowding during operational practices in sea cages on the dispersion of salmon lice. DTU, NTNU https://findit.dtu.dk/en/catalog/2397914637

Dimmen, Øystein Vågen (2019) Abundance of planktonic sea lice in intensive sea farm locations at Frøya: January-September 2018. NTNU http://hdl.handle.net/11250/2618085

Masteroppgaver tilknyttet prosjektet Profylax:

1. Vatn, Jørgen Andreas Åm (2019) Metode for kartlegging av den fototaktiske svømmeresponsen til *Lepeophtheirus salmonis*. NMBU, NTNU https://nmbu.brage.unit.no/nmbu-xmlui/handle/11250/2600181
2. Børset, Elisabeth (2019) Investigating the Phototactic Response of Salmon Lice: Design and Analysis of Experiments. NTNU https://ntnuopen.ntnu.no/ntnu-xmlui/handle/11250/2617257
3. Bjørnstad, Live Forfang and Solstad, Maria Arild (2019) Investigation of light response and swimming behaviour of salmon lice (*Lepeophtheirus salmonis*) using feature detection and tracking. NTNU https://ntnuopen.ntnu.no/ntnu-xmlui/handle/11250/2622957

Alsvik, Margrét Baldursdóttir (2019) The response of salmon lice nauplii and copepodids (*Lepeophtheirus salmonis*) to artificial light stimuli. NTNU https://hdl.handle.net/11250/2656636

Gaasø, Maria (2020) Sea lice (*Lepeophtheirus salmonis* and *Caligus elongatus*) during freshwater treatment. NTNU https://hdl.handle.net/11250/2656633

Fotland, Elisabeth (2020) Energy consumption in the free-living stages of salmon lice (*Lepeophtheirus salmonis*). NTNU

Inge Hoven Brakestad (2020) Analysis of salmon lice count data for production zones 6 and 7 in Norway from 2017 to 2019. NTNU

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Rebekka Andersen (2020) The Effect of Natural and Artificial Light on *in situ* Vertical Migration of Salmon Lice (*Lepeophtheirus salmonis*) Copepodids. NTNU

Presentasjoner (muntlig og postere) på konferanser og andre offentlige sammenhenger

2017

Båtnes A. S. (August 2017) *Taskforce salmon lice – understanding the mechanisms*. NTNU meets Aquaculture, AquaNOR

Båtnes A. S. (September 2017) *Taskforce lakselus*. Teknas Havbrukskonferanse

Jevne L. S. (oktober 2017) The distribution of planktonic stages of salmon lice (*Lepeophtheirus salmonis* Krøyer) in salmon farms related to biofouling and the use of louse skirts. Aquaculture Europe 2017, Dubrovnik, Kroatia

2018

Båtnes A. S. (Januar 2018) *Taskforce lakselus: mekanismer for spredning av lakselus*. FHFs lusekonferanse

Torres, C. (Januar 2018) *Effects of the salmon crowding on the spread of the sea lice*. FHFs lusekonferanse

Jevne, L. S. (mai 2018) Taskforce lakselus. Presentasjon, Ocean Week 2018, Trondheim

Guragain, P. (juni 2018) The potential and challenges of gene editing in sea lice. Gene editing technology seminar, Taskforce salmon lice, NTNU

Båtnes A. S. (Oktober 2018) *Taskforce salmon lice: spread and infection mechanisms of sea lice within and between farmed and wild populations of salmonids*. Masterstudenter Ocean Resources, NTNU

Båtnes, A. S., Bones, A. M., Guragain, P., Guttu, A. M., Jevne, L. S., Nytrø, A. V., Olsen, R. E., Reitan, K. I., Winge, P., Østerhus, S., and Olsen, Y. (November 2018) Taskforce salmon lice – spread and infection mechanisms of sea lice within and between farmed and wild populations of salmonids. Poster, SeaLice2018 conference, Chile

Jevne, L. S., Reitan, K. I. (November 2018) Implication of change in methods for delousing and controlling salmon lice (*Lepeophtheirus salmonis*) in a salmon producing area in central Norway in the period 2012 to 2017. Poster, SeaLice2018 conference, Chile

Guragain, P., Winge, P., Olsen, Y., Bones, A. M. (November 2018). Developing a method for genome editing in *Lepeophtheirus salmonis* using CRISPR-Cas9 system. Poster, SeaLice2018 conference, Chile

Båtnes A. S. (November 2018) *Taskforce salmon lice: spread and infection mechanisms of sea lice within and between farmed and wild populations of salmonids*. Marine science seminar, Ocean Resources, NTNU

2019

Jevne, L. S. (januar 2019) Varierende lusepress. En situasjonsbeskrivelse av lusetall, avlusninger og planktonprøver fra Nord Frøya i perioden 2011-2018. FHFs lusekonferanse, Trondheim

Båtnes A. S. (Februar 2019) *Taskforce salmon lice: spread and infection mechanisms of sea lice within and between farmed and wild populations of salmonids*. Havforskermøtet 2019, Tromsø

Dimmen Ø. V. (Februar 2019) *Characterization of seasonal variations in planktonic sea lice abundance in association to fish farm installations at Frøya*. Havforskermøtet 2019, Tromsø

Gaasø M. (Februar 2019) *Salmon lice during freshwater treatment*. Havforskermøtet 2019, Tromsø

Fotland E. (Februar 2019) *Energy availability of Salmon lice (*Lepeophtheirus salmonis*) in the free-living stages*. Havforskermøtet 2019, Tromsø

Båtnes A. S. (August 2019) *Taskforce salmon lice.* Pitch, NTNU Alumni-treff, Aqua Nor

Jevne L. S. (September 2019) Kampen mot lusa. Populærvitenskapelig presentasjon, Forsker Grand Prix Trondheim 2019

Jevne L S. (oktober 2019) Lakselus utvikling i et område med koordinert brakklegging gjennom 3 produksjonssykluser. Lakselus strategi Rogaland 31. oktober 2019

Båtnes A. S., Vatn J. A. Å., Solstad M. A., Bjørnstad L. F., Børset E., Tyssedal J. S., Sture Ø., Ludvigsen M., Evensen Ø., Altin D., Miljeteig C. (oktober 2019) Light responses of salmon louse (*Lepeophtheirus salmonis*) copepodites. Poster: Aquaculture Europe 2019 conference, Berlin, Tyskland

Olsen Y. (oktober 2019) *Taskforce salmon lice.* Marine chemical ecology seminar, Taskforce lakselus, NTNU.

2020

Jevne L. S. (januar 2020) Lakselusutvikling i et område med koordinert brakklegging gjennom 3 produksjonssykluser. FHFs lusekonferanse, Trondheim

Fotland E. (juni 2020) Energiforbruk hos frittlevende stadier av lakselus (*Lepeophtheirus salmonis*). Havbruk 2020 (digital konferanse)