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75 Publications discussing interactions between farmed salmon and wild salmonids via sea lice

<https://s3-eu-west-1.amazonaws.com/s3.spanglefish.com/s/35331/documents/sea-lice-references-2018-04-09-18.pdf>

NEW, 2018

Dey, G. et al. (2018). *Environment, Climate Change and Land Reform (ECCLR) Committee report on the environmental impacts of salmon farming*. [pp. 12-19.]
http://www.parliament.scot/S5_Environment/Inquiries/20180305_GD_to_Rec_salmon_farming.pdf

Moore, I., Dodd, J.A., Newton, M., Bean C.W., Lindsay, I., Jarosz, P. & Adams, C.E. (2018). The influence of aquaculture unit proximity on the pattern of *Lepeophtheirus salmonis* infection of anadromous *Salmo trutta* populations on the isle of Skye, Scotland. *Journal of Fish Biology*, 92(6):1849-1865. <https://onlinelibrary.wiley.com/doi/full/10.1111/jfb.13625>

Tett, P. (2018). *Review of The Environmental Impacts of Salmon Farming in Scotland*. SAMS Research Services Ltd. for The Scottish Parliament.

http://www.parliament.scot/S5_Rural/Inquiries/20180125_SAMS_Review_of_Environmental_Impact_of_Salmon_Farming_-_Report.pdf

Thorstad, E.B. & Finstad, B. (2018). *Impacts of salmon lice emanating from salmon farms on wild Atlantic salmon and sea trout*. Norwegian Institute for Nature Research.

<https://brage.bibsys.no/xmlui/bitstream/handle/11250/2475746/1449.pdf?sequence=1&isAllowed=y>

SALMON

1. Morton, A., Routledge, R., Peet, C. & Ladwig, A. (2004). Sea lice (*Lepeophtheirus salmonis*) infection rates on juvenile pink (*Oncorhynchus gorbuscha*) and chum (*Oncorhynchus keta*) salmon in the nearshore marine environment of British Columbia, Canada. *Canadian Journal of Fisheries and Aquatic Sciences*, 61: 147–157.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.624.279&rep=rep1&type=pdf>
2. Krkošek, Lewis, M.A. and Volpe, J.P. (2005). Transmission dynamics of parasitic sea lice from farm to wild salmon. *Proceedings of the Royal Society Biological Sciences*, 272(1564): 689–696.
<http://www.math.ualberta.ca/~mlewis/publications/Krkošek LOUSE brochure.pdf>

3. Krkošek, M., Ford, S.J., Morton, A., Lele, S., Myers, R.A. & Lewis, M.A. (2007). Declining Wild Salmon Populations in Relation to Parasites from Farm Salmon. *Science*, 318(5857): 1772-1775. <https://www.sfu.ca/cstudies/science/resources/1320967257.pdf>
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5. Rosenberg, A.A. (2008). The price of lice. *Nature*, 451: 23–24. https://www.researchgate.net/publication/5678269_Aquaculture - The_price_of_lice
6. Ford, J. S. & Myers, R. A. (2008). A global assessment of salmon aquaculture impacts on wild salmonids. *PLoS Biol* 6(2): e33. doi:10.1371/journal.pbio.0060033. <http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.0060033>
7. Costello, M.J. (2009). How sea lice from salmon farms may cause wild salmonid declines in Europe and North America and be a threat to fishes elsewhere. *Proceedings of the Royal Society Biological Sciences*, 276(1672): 3385-3394. <http://rspb.royalsocietypublishing.org/content/royprsb/276/1672/3385.full.pdf>
8. Krkošek, M., Revie, C.W., Gargan, P.G., Skilbrei, O.T., Finstad, B & Todd, C.D. (2012). Impact of parasites on salmon recruitment in the Northeast Atlantic Ocean. *Proceedings of the Royal Society Biological Sciences*, 280(1750): 20122359. <http://rspb.royalsocietypublishing.org/content/280/1750/20122359.full.pdf>
9. Shephard, S. & P. Gargan (2017). Quantifying the contribution of sea lice from aquaculture of declining annual returns in a wild Atlantic salmon population. *Aquaculture Environment Interactions*, 9:18, 181-192. <http://www.int-res.com/articles/aei2017/9/q009p181.pdf>

SEA TROUT

1. Thorstad, E.B., Todd, C.D., Bjørn, P.A., Gargan, P.G., Vollset, K.W., Halttunen, E., Kålås, S., Uglem, I., Berg, M. & Finstad, B. (2014). Effects of salmon lice on sea trout – a literature review. *NINA Report* 1044, 1-162. <http://www.nina.no/archive/nina/PppBasePdf/rapport/2014/1044.pdf>
2. Shephard, S., C. MacIntyre & P. Gargan (2016). Aquaculture and environmental drivers of salmon lice infestation and body condition in sea trout. *Aquaculture Environment interactions*, 8, 597-610. <http://www.int-res.com/articles/aei2016/8/q008p597.pdf>

Martin Krkošek's Lab. (University of Toronto)

59 published studies discussing interactions between salmon and sea lice, and farmed salmon and wild salmonids via sea lice (2015-2020)

<https://Krkošek.eeb.utoronto.ca/sample-page/publications>

1. Peacock, S., M. Krkošek, A. Bateman and M. Lewis. 2015. Parasite-mediated release from predation in a juvenile salmon food web. *Ecosphere*. In Press.
2. Godwin, S., L. Dill, J. Reynolds, & M. Krkošek 2015. Sea lice, sockeye salmon, and foraging competition: lousy fish are lousy competitors. *Canadian Journal of Fisheries and Aquatic Sciences* 72, 1113-1120.
3. Rees, E., S. St-Hilaire, S. Jones, M. Krkošek, S. DeDominicis, M. Foreman, T. Patanasatienkul & C. Revie, 2015. Spatial patterns of sea lice infection among wild and captive salmon in western Canada. *Landscape Ecology*, 30, 989-1004.
4. Krkošek, M., C. Revie, B. Finstad, & C. Todd. Comment on Jackson et al. 2014. “Impact of *Lepeophtheirus salmonis* infestations on migrating Atlantic salmon, *Salmo salar* L., smolts at eight locations in Ireland with an analysis of lice-induced marine mortality” *Journal of Fish Diseases*.
5. Patanasatienkul, T., J. Sanchez, E.E. Rees, M. Krkošek, S.R.M. Jones & C.W. Revie, 2013. Sea lice infestations on juvenile chum and pink salmon in the Broughton Archipelago, Canada from 2003 to 2012. *Diseases of Aquatic Organisms*, 105, 149-161.
6. Rogers, L., S. Peacock, P. McKenzie, S. DeDominicis, S. Jones, P. Chandler, M. Foreman, C. Revie, & M. Krkošek, 2013. Modeling parasite dynamics on farmed salmon for precautionary conservation management of wild salmon. *PLoS ONE*. 8: e60096.
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8. Krkošek, M., C. Revie, P. Gargan, O. Skilbrei, B. Finstad, & C. Todd, 2013. Impact of parasites on salmon recruitment in the Northeast Atlantic Ocean. *Proceedings of the Royal Society B*. 280, 20122359.
9. Ashander, J., M. Krkošek, & M. Lewis, 2012. Aquaculture-induced changes to dynamics of a migratory host and specialist parasite: a case study of pink salmon and sea lice. *Theoretical Ecology*. 5, 231-252.
10. Frazer, L.N., A. Morton, & M. Krkošek, 2012. Critical thresholds in sea lice epidemics: evidence, sensitivity, and subcritical estimation. *Proceedings of the Royal Society B*, 279, 1950-1958.
11. Morton, A., A. McConnell, R. Routledge, M. Krkošek. 2011. Sea lice dispersion and salmon survival in relation to fallowing and chemical treatment on salmon farms. *ICES Journal of Marine Science*. 68, 144-156.
12. Krkošek, M., B. Connors, A. Morton, M. Lewis, L. Dill, & R. Hilborn, 2011. Effects of parasites from salmon farms on wild salmon populations. *Proceedings of the National Academy of Sciences of the USA*. 108, 14700-14704. Krkošek, M., & R. Hilborn. 2011. Sea lice (*Lepeophtheirus salmonis*) infestations and the productivity of pink salmon (*Oncorhynchus gorbuscha*) in the Broughton Archipelago, British Columbia, Canada. *Canadian Journal of Fisheries and Aquatic Sciences*. 68, 17-29.
13. Krkošek, M., B. Connors, H. Ford, S. Peacock, P. Mages, J. Ford, A. Morton, J. Volpe, R. Hilborn, L. Dill, & M. Lewis, 2011. Fish farms, parasites, and predators: Implications for salmon population dynamics. *Ecological Applications*. 21, 897-914.
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15. Connors, B., M. Krkošek, J. Ford, & L. Dill. 2010. Coho salmon productivity in relation to direct and trophic transmission of sea lice from salmon aquaculture. *Journal of Applied Ecology*. 47, 1372-1377.
16. Krkošek, M. 2010. Host density thresholds and disease control for fisheries and aquaculture. *Aquaculture Environment Interactions*. 1, 21-32.
17. Krkošek, M., A. Morton, J. Volpe, & M. Lewis. 2009. Sea lice and salmon population dynamics: Effects of exposure time for migratory fish. *Proceedings of the Royal Society B*. 276, 2819-2828.
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23. Krkošek, M., A. Gottesfeld, B. Proctor, D. Rolston, C. Carr-Harris, & M. Lewis, 2007. Effects of host migration, diversity, and aquaculture on sea lice threats to wild Pacific salmon populations. *Proceedings of the Royal Society B*. 274, 1341-1349.
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59. Godwin S, Krkošek, M, Reynolds J, Bateman A., 2020. Sea-louse abundance on salmon farms in relation to parasite-control policy and climate change. *ICES Journal of Marine Science*, fsaa173.

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2. Brooks, M. & Jones, S. R. M. (2008). Perspectives on Pink Salmon and Sea Lice: Scientific Evidence Fails to Support the Extinction Hypothesis. *Reviews in Fisheries Science*, 16(4):403–412.
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