

Peter Cunningham (WRFT Biologist) 17 July 2025

Sea trout data

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Summary

[illegible]

Notes:	
based on the assumption that small salmonid post-smolts (<150g body weight) will suffer 100% lice-related marine mortality, or return prematurely to freshwater for sea trout in the wild if the are infected with >0.3 lice per g of fish weight.	
Furthermore, the lice related marine mortality is estimated to 50%, if the infection is between 0.2 and 0.3 lice per g fish weight, 20% if the infection rate is between 0.1 and 0.2 lice per g fish weight, and finally 0% if the salmon lice infection is <0.1 g fish weight.	
0.05 and 0.1 lice per g fish weight, 20% for lice infections between 0.05 and 0.01 lice per g fish weight, and finally 0% if the salmon lice infection is <0.01 lice g fish weight.	
	colour code
Taranger, G. L., Karlsen, Ø., Bannister, R. J., Glover, K. A., Husa, V., Karlsbakk, E., Kvamme, B. O., Boxaspen, K. K., Bjørn, P. A., Finstad, B., Madhun, A. S., Morton, H. C., and Sva'sand, T. (2014) Risk assessment of the environmental impact of Norwegian Atlantic salmon farming. – ICES Journal of Marine Science, doi: 10.1093/icesjms/fsu132.	 100% sea lice related mortality or early return to freshwater  >50% to 99% sea lice related mortality or early return to freshwater  >20% to 50% sea lice related mortality or early return to freshwater  <20% sea lice related mortality or early return to freshwater
https://www.researchgate.net/publication/266672998_Risk_assessment_of_the_environmental_impact_of_Norwegian_Atlantic_salmon_farming	

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Other fish in sample

Fish No.	Location	Date	Method	Riv/Est/ Beach	Fish	length (mm)
6	Flowerdale	15-Jul-25	Sweep Net	est	Gurnard	175
7	Flowerdale	15-Jul-25	Sweep Net	est	Gurnard	150
8	Flowerdale	15-Jul-25	Sweep Net	est	Gurnard	135
9	Flowerdale	15-Jul-25	Sweep Net	est	Gurnard	135
10	Flowerdale	15-Jul-25	Sweep Net	est	Gurnard	150
11	Flowerdale	15-Jul-25	Sweep Net	est	?Plaice	140
12	Flowerdale	15-Jul-25	Sweep Net	est	?Plaice	205
13	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	220
14	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	275
15	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	245
16	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	250
17	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	285
18	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	260
19	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	390
20	Flowerdale	15-Jul-25	Sweep Net	est	Flounder	130
21	Flowerdale	15-Jul-25	Sweep Net	est	Seascorp	110
22	Flowerdale	15-Jul-25	Sweep Net	est	Seascorp	130
23	Flowerdale	15-Jul-25	Sweep Net	est	Seascorp	110
24	Flowerdale	15-Jul-25	Sweep Net	est	Gadid	175

Processing the catch



Acknowledgements

Monitoring to inform the Loch Torridon Salmon farms Environment Management Plan supported by MOWI and Bakkafrost

Thank you to Gairloch Estate for permission.

Thank you to Beinn Eighe NNR volunteers and WRFT Trustees & supporters for help with sweep netting

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Photos: all ©WRFT unless otherwise indicated. All fish in photos were lightly sedated for inspection then returned to the sea after recovery.

ST415mm, Flowerdale, 15th July 2025, and pics to show lice and lice damaged dorsal fin.

