Peter Cunningham (WRFT Biologist) 21st May 2025 info@wrft.org.uk

Sea trout data (see page 3 for other fish)

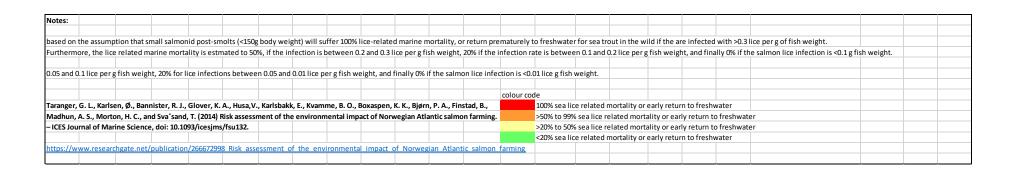
Location:		Torridon r	iver estuary	,																
Date:		16-May-25		Time:	11:00		High tide	09:00												
*Counts:		Peter Cuni	ningham																	
Team:		6 assistant	:S																	
Veather: light		light wind	ght winds, very bright and dry and sunny v		warm															
River		very low																		
Other not	es:	4 sweeps	of channel	after high	neap tide, f	rom 11:15	hrs to 14:3	30												
		fish caugh	t on sweeps	s 1 to 3																
		smallest fi	sh caught o	n both 1st	t and 2nd sw	еер														
									Caligus	Lepeophtheirus salmonis										
No.	Location	Date	Method	Riv/Est/E each	3 Fish	length (mm)	weight (g)	condition factor	total	Copepodid & Chalimus (estimate)	Pre-adult & adult	Ov. female	Total L. salmonis sea lice	*estimated lice/g fish weight	Dorsal fin damage	Cryptocotyle ligua spots per cm2 of caudal fin	Predator damage	Photo	scale sample?	Comments
1	Torridon	16-May-25	Sweep Net	est	ST	140	29	1.06	0	0	0	0	0	0.000	0	0	N	Υ	Υ	1st sweep
2	Torridon	16-May-25	Sweep Net	est	ST	138	30	1.14	0	0	0	0	0	0.000	0	0	N	Υ	Υ	2nd sweep - same fish caught a
3	Torridon	16-May-25	Sweep Net	est	ST	284	240	1.05	0	2	0	0	2	0.008	2	0	N	Y	Y	3rd sweep; healing dorsal fin
4	Torridon	16-May-25	Sweep Net	est	ST	285	226	0.98	0	1	0	0	1	0.004	1	1	N	Υ	Υ	3rd sweep
5	Torridon	16-May-25	Sweep Net	est	ST	240	120	0.87	0	35	4	0	39	0.325	1	5	N	Υ	Υ	3rd sweep
					Averages	217.40	129.00	1.02	0.00	7.60	0.80	0.00	8.40	0.07	0.80	1.20				

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## Summary

Mortality / early returned estimates for sea trout in sample based on method from Taranger et al 2015, Risk assessment for the environmental impact of Norwegian salmon farming (PDF) Risk assessment of the environmental impact of Norwegian Atlantic salmon farming (researchgate.net)

No.	≥13 lice/fish?	Lice/g fish weight	Range	Mortality category	Number of fish in category	Total number of fish in sample	% of sample in category	projected mortality for category %	projected mortality of fish in sample %
1	No	0.000	>0.3	100%	1	4	25.00	25.00	
2	No	0.000	0.2-0.3	50%	0		0.00	0.00	
3	No	0.008	0.1-0.2	20%	0		0.00	0.00	
4	No	0.004	<0.1	0%	3		75.00	0.00	25.00
5	Yes	0.325							
note fis	h #2 is sam	e fish as fis	sh #1						



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Other fish in sample:

No.	Location	Date	Method	Riv/Est/B each	Fish	length (mm)	weight (g)			
6	Torridon	16-May-25	Sweep Net	est	Flounder	82				
7	Torridon	16-May-25	Sweep Net	est	Flounder	78				
8	Torridon	16-May-25	Sweep Net	est	Flounder	90				
9	Torridon	16-May-25	Sweep Net	est	15 spstbk	109		filamentous algae on tail		

## Acknowledgements

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

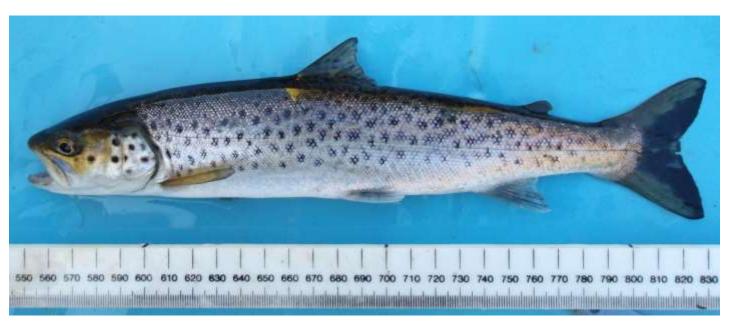
Thank you to Jim Raffell of Marine Directorate and to Nature Scot Beinn Eighe NNR volunteers for helping

For permissions to sweep net for sea trout, thank to proprietors of Torridon River including Ben Damph Estate and the National Trust for Scotland.

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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.

Sea trout 284mm, 240g, Torridon River estuary, 16<sup>th</sup> May 2025 with 2 copepodid & chalimus lice; no other lice seen on this fish. Dorsal fin damage score 2 healed.



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Sea trout 240mm, 120g, Torridon River estuary, 16<sup>th</sup> May 2025 with 35 copepodid & chalimus lice, 4 adult and preadult lice.

