Peter Cunningham (WRFT Biologist) 2nd July 2025 <u>info@wrft.org.uk</u>

Sea trout and other fish data

ocation:		Inverianvi	e estuary																	
ate:		01-Jul-25		Time:	first swee	p at 1.30pi	m ish													
Counts:		Nic Butler	and Peter (Cunningha	m															
eam:		6 helpers																		
eather:		bright and	sunny; ligh	t south we	sterly win	d														
ther not	es:	3 sweeps of shore to mid tide at just before 3pm. Trout caught on 3rd swee							₽p											
		Inverianvie river running medium high																		
		No sandeels seen from net nor seabirds within 1 mile of estuary; flock of g						gulls with	gannets ab	out 3km av	way									
		Peter C unable to lead;																		
									Caligus	Lepeophtheirus salmonis			;							
No.	Location	Date	Method	Riv/Est/B each	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	Inverianvie	01-Jul-25	Sweep Net	est	Sea trout	395	600	0.97	0	2	7	1	10	0.017	2	0	Υ	Υ	У	bird beak; many lice scars
					Averages	395.00	600.00	0.97	0.00	2.00	7.00	1.00	10.00	0.02	2.00	0.00				
											total lice		10							
											number of fish		1							
											numberinfested		1							
											prevalence		100%							
											total lice		10							
											abundance		10.00							
											intensity		10.00							
											fish with >0.3 lice / g		0							
											fish with >0.3 lice / g		0%							
No.	Location	Date	Method	Riv/Est/B	Fish	length														
				each		(mm)														
2	Inverianvie		Sweep Net		Flatfish sp		1													
3	Inverianvie		Sweep Net		Flatfish sp															
4	Inverianvie		Sweep Net		Flatfish sp		1													
5	Inverianvie	01-Jul-25	Sweep Net	est	Flatfish sp	115	1													

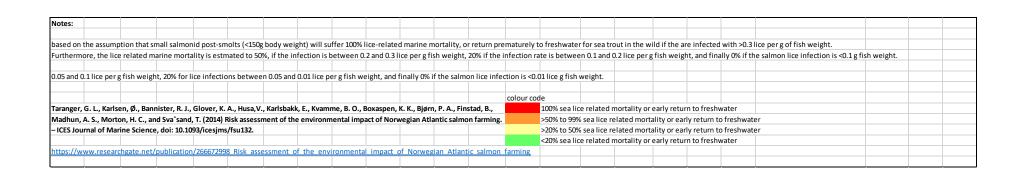
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Summary of sea lice infestation score

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)

Sea trout no	≥13 lice/fish?	Lice/g fish weight	Range	Mortality category	of fish in	Total number of fish in sample	% of sample in category	projected mortality for category %	projected mortality of fish in sample %
1	No	0.017	>0.3	100%	0	1	0.00	0.00	
			0.2-0.3	50%	0		0.00	0.00	
			0.1-0.2	20%	0		0.00	0.00	
			<0.1	0%	1		100.00	0.00	0.00



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Netting team photo Invierianvie (Gurinard Bay) 1st July 2025



Acknowledgements

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Photos: all ©WRFT unless otherwise indicated. All fish in photos were lightly sedated for inspection.

Sea trout 395mm, 600g. 10 lice. Scarring and damage to dorsal fin indicative of higher lice burden earlier in year.



