

Sea trout sea lice monitoring results 2008: Dundonnell (Little Loch Broom) fyke net results 2008

Fyke net funded by Dundonnell Estate and Eilean Darach Estate with assistance from Johnie Parry (WRFT).

Trap operated by Alastair Macdonald (Dundonnell Estate), Brian Fraser (Eilean Darach Estate) and Johnie Parry

Sea trout catch:

Date	Fish #	Length mm	Weight gram	*Condition factor	Sea lice (See note)				Dorsal fin damage	Predator damage	Comment
					chal	PrA /A	Ov Fem	total			
07-Jun-08	1	260			50+	40-45	0	100+	3		Maxillary damaged
07-Jun-08	2	200			30+	32	1	60+	0		
07-Jun-08	3	140			0	0	0	0	0		smolt
07-Jun-08	4	130			2	0	0	2	0		smolt' (see note 1)
11-Jun-08	5	295	258	1.00	57	3	0	0	0	N	
12-Jun-08	6	240	94	0.68	100+	2	0	100+	2	N	died. photos
13-Jun-08	7	145	26	0.85	0	0	0	0	0	Y	smolt. photos
17-Jun-08	8	190	74	1.08	35+	5	0	40+	1	N	
18-Jun-08	9	185	72	1.14	20	9	1	30	0	N	
19-Jun-08	10	175			55+	12	0	67+	0	Y	
19-Jun-08	11	180			40+	9	0	49+	0	N	no photos
20-Jun-08	12	205	90	1.04	10+	40	10	50+	3	Y	Red gill cover. Photos taken
26-Jun-08	13	215	102	1.03	20	9	0	29	0	N	
30-Jun-08	14	275			7	120+	0	127+	?	Y	head, tail & dorsal fin grazed.
01-Jul-08	15	280	248	1.13	3	14	0	17+	0	Y	
02-Jul-08	16	175	60	1.12	4	29	0	33	1	Y	
02-Jul-08	17	270	202	1.03	2	14	0	16	1	N	
03-Jul-08	18	265	228	1.23	20+	34	0	54+	0		
03-Jul-08	19	215	114	1.15	29	14	4	47+	0		70+ lice in bucket
04-Jul-08	20	250	156	1.00	23	56	0	79	0.5	N	14 lice in bucket

*Fulton's condition factor = [weight (g) / (length (cm) cubed)] x 100

Sea lice were not identified to species level. In previous years a large majority have been *Lepeophtheirus salmonis*.

Early returned sea trout with high (>30) numbers of attached *Caligus* spp. have not been recorded in the area in previous years.

It is therefore assumed that the majority of the lice were *Lepeophtheirus salmonis*; this is supported by photos.

note 1: PC disagrees. If attached lice are present, the fish has been in salt water. This fish has therefore been included as a post-smolt.

All trout of less than 260mm standard length taken in June have been termed as 'post-smolts'. These may include a proportion of small sea trout which have had one or more previous excursions to sea.

number of 'post-smolt' sea trout (sea trout of less than 260mm) taken in June:	9
minimum number of lice per 'post-smolt':	2
maximum number of lice per 'post-smolt':	100+
average number of lice per 'post-smolt':	47
prevalence (excluding 'smolts'):	100%

