

The following supplement accompanies the article

Sea lice infestations on juvenile chum and pink salmon in the Broughton Archipelago, Canada, from 2003 to 2012

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Diseases of Aquatic Organisms 105: 149–161 (2013)

Supplement. Additional details of study data and/or analyses. Data, broken down by gear type, are given in Tables S1 & S2, while detailed counts by lice species are noted in Table S3. Finally, Fig. S1 provides a breakdown of annual lice prevalence trends by lice species

Table S1. *Oncorhynchus keta* and *O. gorbuscha*. Number of fish assessed, with mean and 95% confidence intervals (CI) for length and weight of chum and pink salmon by gear type

Parameters	Species	Beach		Purse	
		n	Mean [95% CI]	n	Mean [95% CI]
Length (mm)	Chum	71616	49.9 [49.8, 50.0]	12174	81.9 [81.4, 82.3]
	Pink	72534	48.6 [48.5, 48.7]	9870	68.1 [67.6, 68.5]
Weight (g)	Chum	27866	1.81 [1.78, 1.84]	12174	8.68 [8.52, 8.85]
	Pink	32106	1.65 [1.63, 1.67]	9870	4.56 [4.47, 4.64]

Table S2. *Lepeophtheirus salmonis* and *Caligus clemensi* infesting *Oncorhynchus keta* and *O. gorbuscha*. Mean and 95% confidence intervals adjusted for site clustering for prevalence of lice infestation, lice abundance, and lice intensity in wild chum and pink salmon sampled by purse seine in the Broughton Archipelago from 2003 to 2009

Year	Chum				Pink			
	n	Prevalence	Abundance	Intensity	n	Prevalence	Abundance	Intensity
2003	3039	0.23 [0.16, 0.31]	0.48 [0.27, 0.68]	2.03 [1.73, 2.32]	2279	0.16 [0.11, 0.22]	0.23 [0.14, 0.32]	1.44 [1.31, 1.58]
2004	2921	0.61 [0.53, 0.68]	5.78 [4.44, 7.13]	9.55 [8.09, 11.01]	1399	0.65 [0.60, 0.70]	2.69 [2.07, 3.31]	4.12 [3.32, 4.92]
2005	1017	0.27 [0.18, 0.36]	0.72 [0.43, 1.02]	2.69 [2.32, 3.06]	1159	0.29 [0.24, 0.35]	0.49 [0.37, 0.61]	1.67 [1.46, 1.87]
2006	1216	0.22 [0.16, 0.28]	0.47 [0.29, 0.64]	2.12 [1.81, 2.43]	1048	0.18 [0.15, 0.22]	0.26 [0.19, 0.32]	1.42 [1.27, 1.56]
2007	1237	0.18 [0.13, 0.24]	0.38 [0.23, 0.54]	2.07 [1.51, 2.62]	769	0.16 [0.12, 0.21]	0.24 [0.15, 0.32]	1.48 [1.26, 1.70]
2008	1593	0.06 [0.03, 0.09]	0.07 [0.04, 0.11]	1.28 [1.14, 1.42]	1509	0.12 [0.07, 0.18]	0.20 [0.09, 0.31]	1.64 [1.34, 1.94]
2009	1151	0.18 [0.13, 0.22]	0.43 [0.25, 0.62]	2.47 [1.74, 3.20]	1707	0.11 [0.09, 0.14]	0.17 [0.12, 0.21]	1.46 [1.29, 1.62]

Table S3. *Lepeophtheirus salmonis* and *Caligus clemensi* infesting *Oncorhynchus keta* and *O. gorbuscha*. Total lice on wild chum and pink salmon sampled by beach seine in the Broughton Archipelago assessed from 2003 to 2012

Year	Chum			Pink		
	<i>L. salmonis</i>	<i>C. clemensi</i>	Not identified to species	<i>L. salmonis</i>	<i>C. clemensi</i>	Not identified to species
2003	461	311	6348	378	266	3369
2004	16655	997	48443	3228	260	496
2005	1141	358	—	1432	321	—
2006	1105	314	2150	1423	292	3038
2007	2690	1066	6960	1713	580	3892
2008	788	167	998	1317	291	1252
2009	238	291	1081	319	428	1005
2010	300	340	—	712	761	—
2011	99	263	—	133	398	—
2012	728	917	—	420	485	—

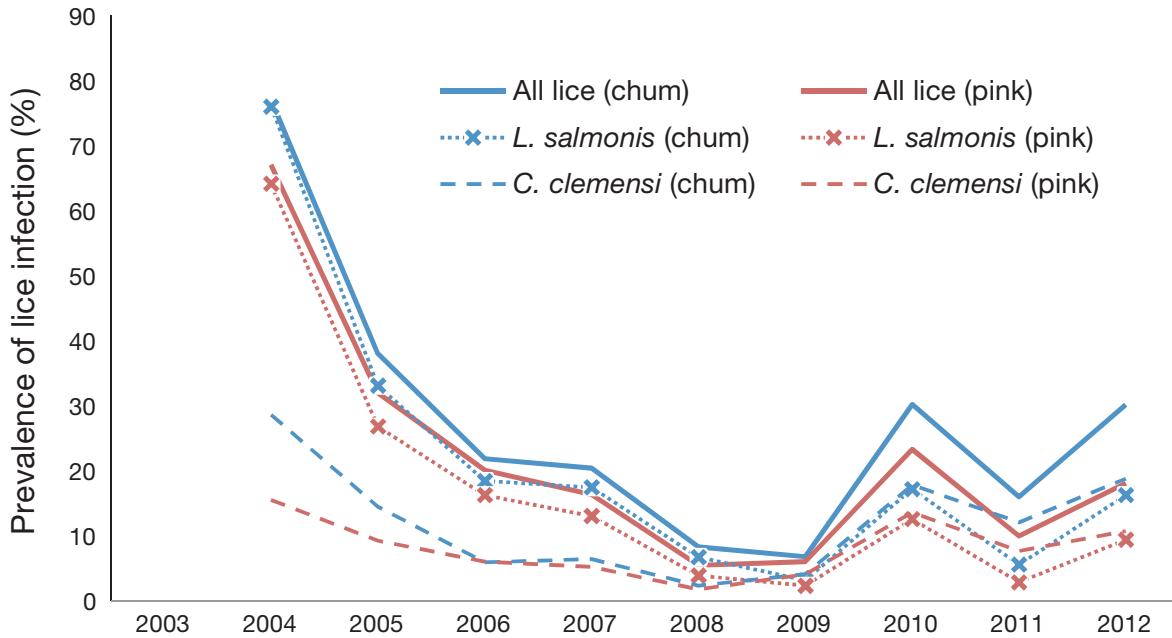


Fig. S1. *Lepeophtheirus salmonis* and *Caligus clemensi* infesting *Oncorhynchus keta* and *O. gorbuscha*. Annual prevalence of lice infestation by lice species on wild chum and pink salmon sampled by beach seine with lethal protocol in the Broughton Archipelago assessed from 2004 to 2012