

**Table S1.** List of the rivers which interannual grilse catches were analyzed in this study. Latitude (N) and longitude (E) give the geographical position of each river mouth. Overall mean  $\pm$ SD (kg), and number of observations (years), with the number of missing years between parentheses, are also shown. The last column indicates the first year (yy) in the time series with hydropower development (HP) and/or salmon farming (F). ‘no’ denotes non-presence of that activity for a given river during the studied period.

ID	River	Latitude	Longitude	Mean catch	SD	N	HP / F
1	Glomma	59°12’	10°57’	203.32	77.95	29 (4)	(79, no)
2	Drammenselva <sup>b</sup>	59°44’	10°14’	1697.04	974.21	29 (1)	(79, no)
3	Numedalslågen <sup>d</sup>	59°02’	10°03’	4389.86	2021.66	28 (0)	(79, no)
4	Skienselva <sup>c</sup>	59°07’	9°37’	593.7	422.27	27 (0)	(80, no)
5	Sokndalselva	58°19’	6°17’	937.27	613.91	15 (0)	(93, no)
6	Ogna <sup>a</sup>	58°31’	5°48’	2494.76	1569.77	29 (0)	(79, no)
7	Håelva	58°41’	5°32’	3299.34	2014.47	29 (0)	(79, no)
8	Figgjo	58°48’	5°33’	3200.76	1627.27	29 (0)	(79, no)
9	Suldalslågen <sup>a, d</sup>	59°29’	6°15’	357.28	246.71	29 (0)	(79, 79)
10	Etneelva	59°40’	5°56’	955.24	534.46	29 (0)	(79, 79)
11	Eikefetelva	60°43’	5°33’	425.48	420.51	23 (0)	(no, 81)
12	Gaular	61°22’	5°41’	764.62	344.43	29 (0)	(no, no)
13	Nausta	61°31’	5°44’	1986.66	1819.62	29 (0)	(no, no)
14	Eidselva	61°54’	5°59’	446.17	220.83	29 (0)	(79, no)
15	Ervikelva	62°10’	5°07’	241	134.2	29 (0)	(no, 79)
16	Åheimselva <sup>d</sup>	62°03’	5°37’	702.25	471.17	29 (1)	(79, 79)
17	Austefjordelva	62°04’	6°19’	397.79	325.72	29 (0)	(79, 79)
18	Storelva	62°08’	6°15’	419.77	484.22	22 (0)	(no, 79)

19	Ørstaelva	62°11'	6°08'	1510.5	1391.87	29 (1)	(no, 79)
20	Bondalselva	62°12'	6°28'	2075.14	2254.72	29 (1)	(no, 79)
21	Vikelva	62°06'	6°34'	267.11	209.44	29 (1)	(79, 79)
22	Velledalselva	62°20'	6°36'	1161.52	745.09	29 (0)	(no, 79)
23	Strandaelva	62°18'	6°56'	1265.76	1276.21	28 (3)	(no, 79)
24	Korsbrekkelva <sup>b</sup>	62°05'	6°52'	479.32	444.5	29 (1)	(no, 79)
25	Stordalselva	62°27'	6°59'	507.45	313.27	29 (0)	(no, no)
26	Oselva	62°48'	7°43'	1704.97	1967.96	29 (0)	(no, 79)
27	Sylteelva	62°50'	7°12'	564.33	572.23	29 (2)	(no, 79)
28	Søya	62°53'	8°32'	390.43	260.01	29 (1)	(no, no)
29	Surna	62°58'	8°40'	1396.9	933.38	29 (0)	(79, no)
30	Orkla <sup>d</sup>	63°19'	9°50'	3202.24	2530.16	29 (0)	(82, no)
31	Gaula	63°21'	10°14'	5234.79	3424.58	29 (0)	(79, no)
32	Nidelva	63°26'	10°24'	877.03	876.71	29 (0)	(79, no)
33	Stjørdalselva	63°26'	10°54'	2388.24	1163	29 (0)	(79, no)
34	Verdalsvassdraget	63°48'	11°28'	1499.69	1003.42	29 (0)	(90, no)
35	Skauga	63°36'	9°56'	1248.52	993.73	29 (0)	(79, no)
36	Nordelva	63°46'	10°07'	669.08	621.94	29 (4)	(79, no)
37	Stordalselva	63°57'	10°13'	5319.48	3723.88	29 (0)	(no, 79)
38	Steinselva	64°18'	10°31'	1192.75	812.92	29 (1)	(no, 79)
39	Årgårdselva	64°18'	11°12'	3553.34	2492.31	29 (0)	(no, no)
40	Namsen	64°28'	11°35'	5928.72	2863.46	29 (0)	(79, 79)
41	Salvassdraget	64°42'	11°26'	512.72	343.67	29 (0)	(no, 79)
42	Kongsmoelva	64°53'	12°27'	221.86	141.88	29 (0)	(no, no)
43	Åelva	65°05'	12°27'	410.32	237.01	29 (4)	(79, 83)

44	Vefsna <sup>b</sup>	65°50'	13°13'	664.59	551.1	29 (0)	(79, 79)
45	Ranavassdraget <sup>b</sup>	66°20'	14°09'	386.46	280.45	29 (3)	(79, 79)
46	Laukhellevassdraget	69°14'	17°51'	606.97	376.13	29 (0)	(no, 83)
47	Lakselva (Aursfjorden)	69°17'	18°43'	186.12	137.14	29 (3)	(79, 79)
48	Målselva	69°14'	18°31'	1749.9	1018.45	29 (0)	(79, no)
49	Altaelva	69°58'	23°23'	2798.34	1528.16	29 (0)	(87, 83)
50	Repparfjordelva	70°27'	24°20'	2257.93	1368.6	29 (0)	(no, 84)
51	Stabburselva	70°11'	24°54'	915.62	522.32	29 (0)	(no, no)
52	Lakselva	70°04'	24°55'	990.75	545.77	29 (1)	(79, no)
53	Børselva	70°18'	25°32'	979.9	508.01	29 (0)	(no, no)
54	Langfjordelva	70°37'	27°36'	731	438.22	29 (2)	(no, no)
55	Tanaelva	70°28'	28°20'	21 437.38	10 443.22	29 (0)	(no, no)
56	Vesterelva	70°32'	29°58'	294.66	401	29 (0)	(no, no)
57	Komagelva	70°14'	30°32'	876.52	444.58	29 (0)	(no, no)
58	Munkelva	69°39'	29°27'	192.5	106.88	28 (0)	(no, 83)
59	Neidenelva	69°42'	29°24'	3033.83	1282.49	29 (0)	(no, 83)
60	Karpelva	69°40'	30°23'	251.81	129.75	28 (1)	(no, 83)

---

<sup>a</sup>Rivers with liming within the studied years.

<sup>b</sup>Rivers infected with *Gyrodactylus salaris* within any of the studied years.

<sup>c</sup>Stocking programmes started within the study period.

<sup>d</sup>Presence of fish ladders built within the study period.