



LIFE Revives
LIFE20 NAT/FI/000611

Field report on
D3a Monitoring status of the salmonid populations; electrofishing

Electrofishing in Pirkanmaa area 05.-07.06.2023

Jouni Salonen, Jonna Kuha, Katariina Rautiainen

All fish were released after analyses. For temperature measurements an analogic thermometer was used, and Pesola spring balances were used to measure the weight – alive fish were put to a balanced plastic bag (so that also some water was included in the weight). GeOmega device was used for electrofishing.

05.06. Pinsiön-Matalusjoki, Jäppinen bridge (no FPM area), 14:36–15:35, GPS 663
- weather 15°C, water 9°C

length mm	weight g	field estimated glochidia number
95	10,5	0
154	41	0
210	106	0
150	43	0
98	12	0

+ 1 missed brown trout, 1 roach

05.06. Pinsiön-Matalusjoki, Leipävuori, 16:09–16:20, GPS 763
- weather 16°C, water 9,5°C

length mm	weight g	field estimated glochidia number
93	12	10–20
99	13	50–100
145	35	~10
151	40	10–20
155	44	50–100

+ dead FPM (132x50x38 mm)

06.06. Pinsiön-Matalusjoki, lowest section before the lake, 9:50–11:15, GPS 700
- weather 12°C, water 9°C

length mm	weight g	field estimated glochidia number
294	285	0
200	98	10–20

215	105	0
204	110	0
248	180	~100

+ 5 lamprey, 9 bullhead, 7 perch, 3 burbot, 1 roach

06.06. Turkimusoja, central park, 15:00–15:50, GPS 764

- weather 13°C, water 9,5°C

- 15 perch, 9 lamprey, 1 small FPM

06.06. Turkimusoja, below Vaivia road, 16:30–17:15

- weather 10,5°C, water 12°C

- 29 perch, 11 lamprey

07.06. Turkimusoja, Pertta, 9:37–10:30, GPS 765 to 670

- weather 12-14°C, water 10°C

length mm	weight g	field estimated glochidia number
200	98	0
192	92	0–5

+ 1 missed brown trout, 10 perch

07.06. Ruonanjoki, Koivistonkoski, 13:15–14:45, GPS 679-680

- weather 16-18°C, water 12°C

length mm	weight g	field estimated glochidia number
116	20	hundreds of
131	28	hundreds of
135	31	thousands of
133	29	thousands of

+ 1 missed brown trout, 62 bullhead, 3 lamprey, 72 roach, 2 perch

07.06. Ruonanjoki, Hyyrykoski (no FPM area), 15:25–16:15

- weather 14,5°C, water 13,5°C

- 1 missed brown trout, 552 roach, 5 bullhead, 30 perch

07.06. Ruonanjoki, Kominkoski, 16:40–18:10

- weather 14,5°C, water 13,5°C

- 2 missed very large brown trout, 30–40 roach, 1 bullhead, 31 perch, 1 lamprey, breams, white breams, bleaks + probably hybrids

In addition to electrofishing, a temperature logger was replaced in Turkimusoja 07.06. around 10:00, and in the same river few FPM were collected from the Vaasantie bridge drum and moved to the upper section of the river.

ATTACHMENTS

Electrofishing_FPM_sites_maps_Pirkanmaa.pdf

Electrofishing in Pirkanmaa area 14.-16.08.2023

Jouni Salonen, Carita Rantamo (+ Katja Vainionpää from ELY in some places)

All fish were released after analyses. For temperature measurements an analogic thermometer was used, and Pesola spring balances were used to measure the weight – alive fish were put to a balanced plastic bag (so that also some water was included in the weight). GeOmega device was used for electrofishing.

14.08. 14:40–16:45 Pinsiön-Matalusjoki, Jäppinen bridge (no FPM area), GPS 663–664

- water 13 °C, weather sunny 18 °C

length mm	weight g
52	2
190	80
261	190

+ 5–7 missed brown trout (estimated lengths for two; 150 and 120 mm)

14.08. 17:10–18:05 Pinsiön-Matalusjoki, Leipävuori, GPS 768–769

- water 13,5 °C, weather sunny 16 °C

length mm	weight g
57	3
60	1,5
128	22
62	5
107	13,5
60	4
137	26
121	21

+ 1 missed brown trout

14.08. 18:27–19:56 Pinsiön-Matalusjoki, lower reaches, GPS 700–770

- water 14,5 °C, weather sunny 17,5 °C

length mm	weight g
205	112
107	12
72	5,5

+ 30 sculpin, 18 perch, 6 burbot, 5 roach, probable missed pike

15.08. 09:50–10:50 Ruonanjoki, Koivistonkoski, GPS 679–771

- water 18 °C, weather sunny 22 °C

length mm	weight g
69	4
74	4,5
81	6
67	3
63	3

+ 1 missed brown trout, 11 sculpin (+ 21 missed), 1 burbot, 4 roach, 2 crayfish

15.08. 11:45–12:43 Ruonanjoki, Hyyrykoski, GPS 681–682

- water 19 °C, weather sunny 22 °C
- 11 sculpin, 1 bream, ~ 70 roach, ~ 20 perch

15.08. 14:50–15:30 Ruonanjoki, Kominkoski, GPS 677–772

- water 19 °C, weather sunny 25 °C
- 3 sculpin, 6 bream, ~ 40 roach, 11 perch, 1 crayfish

15.08. 16:56–17:47 Lavajoki, Kattilakoski, GPS 685–686

- water 20 °C, weather sunny 24 °C
- 2 perch, probably 1 missed burbot

15.08. 18:31–19:15 Lavajoki, Pilpuankoski, GPS 687–688

- water 19 °C, weather sunny 21 °C
- 9 roach, 6 burbot, 4 sculpin, 2 bleak

15.08. 19:53–20:20 Lavajoki, Rokkakoski, GPS 689

- water 19 °C, weather sunny 20,5 °C
- 25 roach, 1 burbot, 2 perch

16.08. 08:30–09:35 Palinperänpuro, lower reaches, GPS 694–695

- water 10,5 °C, weather sunny 20 °C
- 1 missed brown trout, 44 perch, 3 pike

16.08. 09:45–10:15 Palinperänpuro, middle section, GPS 696–697

- water 9,5 °C, weather sunny 19 °C

length mm	weight g
135	30

- + 2 burbot, 1 frog

16.08. 10:45–11:25 Palinperänpuro, upper section, GPS 698–699

- water 9,5 °C, weather sunny 21 °C

length mm	weight g
56	1,5
54	1,5
59	2
64	3
95	10
144	35
141	32

- + few missed brown trout

16.08. 13:10–14:30 Turkimusoja, central park, GPS 671–773

- water 16,5 °C, weather sunny 21 °C
- 20 perch, 5 roach, 9 lamprey

16.08. 15:00–15:45 Turkimusoja, Pertta, GPS 699–774

- water 17 °C, weather sunny 25 °C
- 13 perch

16.08. 16:05–17:00 Turkimusoja, below Vaivia road, GPS 667–668

- water 18 °C, weather sunny 21 °C
- 12 perch, 1 lamprey

16.08. 17:35–18:02 Prentinjoki, Lohikoski, GPS 675–775

- water 14,5 °C, weather sunny 20 °C
- 1 frog, 1 missed fish

16.08. 18:48–19:30 Prentinjoki, middle section (new compared to 2022), GPS 776–777

- water 15 °C, weather sunny 20,5 °C

length mm	weight g
122	21
156	43

+ 12 sculpin

16.08. 20:07–20:35 Prentinjoki, lower reaches (new compared to 2022)

- water 15 °C, weather sunny 22,5 °C
- no fish