



LIFE Revives

LIFE20 NAT/FI/000611

D3a Monitoring status of the salmonid populations; electrofishing (+ D5b Monitoring the water quality of restoration sites; temperature loggers)

Electrofishing in Pirkanmaa area in May and June 2022

Mon-Wed 23.-25.05.2022

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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 minigrip bag (so that also some water was included in the weight). GeOmega device was used for electrofishing.

23.05. Pinsiön-Matalusjoki, so-called Jäppinen bridge [REDACTED] (KKJ 3306546/6829450)

- width 3–5 m, depth 0,3–1,0 m, relatively low current
- muddy banks, but hard bottom in the center of the river, also large stones
- turbid water, temperature 9 degrees
- weather around 20 degrees, sunny
- fishing area from bridge upwards less than 50 m
- no observations from other fish species
- brown trout caught (also some escapes):

time	length	weight	depth of water	estimated glochidia number
17:07	101 mm	13 g	0,45 m	around 10
17:20	90 mm	9 g	0,3 m	none
17:24	218 mm	112 g	0,3 m	none
17:45	192 mm	75 g	0,45 m	none
17:48	84 mm	8 g	0,45 m	none

24.05. Turkimusoja, below Vaivia road (KKJ 3296584/6846379)

- width around 1 m, depth 10–20 cm, relatively low current
- clear water, rocky bottom and gravel, good-looking spot
- weather around 20 degrees, sunny

- start from bridge (near cottage) upwards around 50 m, after which below the cottage around 50 m, and finally again an upper section ending to Vaivia road around 50 m, total fishing time around 11:30-12:45

- no observations from brown trout [REDACTED]
- lots of perch, also many roach from a deeper pit right below Vaivia road and a pipe, also a lamprey and a mouse(!) – although it was not caught to net

24.05. Turkimusoja, central park (KKJ 3297458/6845364)

- width 1–2 m, depth 10–50 cm, relatively low current
- clear water, gravel but also muddy banks, lot of rubbish
- weather around 20 degrees, sunny
- start below footbridge around 50 m, after which above the bridge around 100 m, time used around 14:00-15:10
- no observations from brown trout [REDACTED]
- lamprey, few roach, lots of perch

24.05. Turkimusoja, Pertta (KKJ 3296507/6846029)

- width 1–2 m, depth 10–30 cm, relatively low current
- clear water, gravel but also muddy banks, old coniferous forest
- weather around 20 degrees, sunny
- fishing area around 150 m and time around 15:30-16:20
- no observations from brown trout [REDACTED]
- water temperature 14 degrees
- lamprey, many perch

24.05. Pinsiön-Matalusjoki, Leipävuori (KKJ 3305843/6829311)

- width 3–5 m, depth 0,5–1,0 m, average current
- big stones
- turbid water [REDACTED]
- water temperature 10 degrees, weather around 20 degrees, sunny
- from road bridge upwards around 50 m, fishing time 17:30-18:30
- 3 empty shells from the shore, one was measured as 120 mm
- only brown trout were met (also some escapes):

time	length	weight	depth of water	estimated glochidia number
	206 mm	100 g	-	none
	88 mm	8 g	-	30–50
	166 mm	47 g	-	50
	158 mm	44 g	-	none
	84 mm	7 g	-	5–10 (two gills were missing!)

25.05. Pinsiön-Matalusjoki, lower section right before the lake (KKJ 3304878/6829302)

- width 3–10 m, depth 0,3–0,8 m, average current
- stony bottom
- turbid water around 9,8 degrees [REDACTED]
- weather around 20 degrees, sunny
- start from bridge upwards around 100 m, to rapid with high current, fishing time 10:00-11:30
- brown trout caught (also some missed), also perch, pike, sculpin, burbot, lamprey:

time	length	weight	depth of water	estimated glochidia number
	183 mm	69 g	-	none
	91 mm	9 g	-	200–300
	85 mm	7,5 g	-	200–300

25.05. Ruonanjoki, Kominkoski (KKJ 3311018/6846504)

- width 5–10 m, depth 0,3–1 m
- stones, very high current
- quite clear water, temperature was forgotten
- weather around 20 degrees, a bit cloudy
- fishing area around 100 m, but very difficult to fish because of the current and flood, fishing time around 13:00-14:30
- no brown trout, [REDACTED]
- roach, perch, bleak

25.05. Ruonanjoki, Koivistonkoski (KKJ 3311218/6847438)

- width 5–10 m, depth 0,1–0,5 m, relatively low current
- gravel, no hiding spots for fish
- quite clear water, temperature was forgotten
- weather around 20 degrees, a bit cloudy
- fishing area around 100 m and time around 14:45-15:30
- no brown trout [REDACTED]
- sculpin

25.05. Ruonanjoki, Hyrynkoski [REDACTED] (KKJ 3311420/6848743)

- width 5–10 m, depth 0,3–1 m
- big stones, very high current
- quite clear water, temperature was forgotten
- weather around 20 degrees, cloudy and rain started soon after work
- fishing area around 50 m, but very difficult to fish because of the current and flood, fishing time around 15:45-16:45
- roach, perch ja a brown trout:

time	length	weight	depth of water	estimated glochidia number
	135 mm	35 g	-	none

In addition to electrofishing, a temperature logger was placed to Turkimusoja 24.05. around 10:00, the most upper part of the river in depth of 30 cm, width around 1,5 m. KKJ coordinates 3296541/6846974. The logger was installed in the middle of the river with a cable tie to a rebar pole, which was then pushed to river bottom/sediment so that the logger was finally few cm above the bottom. Another cable tie was installed above the first one to the pole to ensure the attachment system.

Mon-Tue 20.-21.06.2022
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Temperature and fish measurements, and electrofishing device, as above.

20.06. Turkimusoja, Pertta (KKJ 3296507/6846029)

- width 1–2 m, depth 10–50 cm, relatively low current
- clear water, gravel but also muddy banks, old coniferous forest
- weather around 20 degrees, sunny
- fishing area around 250 m and time around 12:30-14:30

[REDACTED]

- water temperature not measured
- many perch, lampreys, pike, big burbot, and 2 brown trout:

time	length	weight	depth of water	estimated glochidia number
12:45	159 mm	48 g	0,5 m	none
13:50	189 mm	86 g	0,3 m	20–40

20.06. Turkimusoja, below Vaivia road (KKJ 3296584/6846379)

- width around 1 m, depth 10–20 cm, relatively low current
- clear water, rocky bottom and gravel, good-looking spot
- weather around 20 degrees, sunny
- water temperature 18 degrees
- start below bridge (near cottage) upwards to Vaivia road, total distance about 250 m and total fishing time 14:45-16:30

[REDACTED]

- lots of perch and roach, lampreys, pike, big burbot, a dead big rat, but no observations from brown trout

20.06. Turkimusoja, central park (KKJ 3297458/6845364)

- width 1–2 m, depth 10–50 cm, relatively low current
- clear water, gravel but also muddy banks, lot of rubbish
- weather around 20 degrees, sunny
- water temperature 15,5 degrees
- start below footbridge around 50 m, after which above the bridge around 200 m, time used 17:30-19:20

[REDACTED]

- lots of perch and roach, lamprey, bream, ide(?)

21.06. Ruonanjoki, Kominkoski (KKJ 3311018/6846504)

- width 5–10 m, depth 0,3–1 m
- stones, very high current
- quite clear water, temperature not measured
- weather around 20 degrees, sunny
- fishing area around 250 m, but difficult to fish because of the current and flood, fishing time around 10:15-12:20

- no brown trout, [REDACTED]

- many roach and perch, bleak, sculpins, dace(?), probably a missed brown trout (or pike)

25.05. Ruonanjoki, Koivistonkoski (KKJ 3311218/6847438)

- width 5–10 m, depth 0,1–0,5 m, relatively low current
- gravel, not much hiding spots for fish
- quite clear water, temperature not measured
- weather around 20 degrees, sunny
- fishing area around 200 m and time around 12:45-14:00
- no brown trout [REDACTED]
- lots of sculpins, roach, perch, probably a missed brown trout

25.05. Ruonanjoki, Hyrynkoski [REDACTED] (KKJ 3311420/6848743)

- width 5–10 m, depth 0,3–1 m
- big stones, very high current
- quite clear water, temperature was forgotten
- water 18,5 degrees
- weather around 20 degrees, sunny
- fishing area around 150 m, but difficult to fish because of current, fishing time around 14:35-15:35
- hundreds of roach, perch, sculpin
- no brown trout [REDACTED]

ATTACHMENTS

Electrofishing_FPM_sites_maps_Pirkanmaa.pdf