

Optimising Seine Net Methodology for Lake Restoration: Insights from Seasonal and Diurnal Aggregations in Roach (*Rutilus rutilus*)

Hydrobiologia

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Supplementary Material – Online Resource 4

Online Resource 4: Summary of mean, SD, min and max values for measured environmental parameters over the observed time period.

Mean ± SD (min – max)	Apr 2020	Apr 2021	May 2020	May 2021	Sep 2020	Sep 2021	Oct 2020	Oct 2021
Aggregation area [m²]	22700.44± 9543.59	25019.47± 13586.29	22093.12± 8121.66	23102.21± 11519.46	14980.53± 7016.10	26566.82± 12830.25	33009.54± 10239.60	22751.51± 12374.07
	(661.31 - 66722.29)	(1054.73 - 64965.62)	(1351.84 - 54444.51)	(254.21 - 75094.86)	(736.16 - 44424.44)	(819.90 - 61610.29)	(1577.31 - 79402.62)	(604.59 - 69004.43)
Oxygen [mg/l] at 1 m	12.33± 2.56	10.79 ± 0.53	8.99± 0.84	9.96± 0.64	NA	NA	9.15 ± 0.49	7.66± 0.56
	(7.82 – 15.55)	(9.85 – 11.59)	(7.53 – 12.02)	(7.76 – 11.09)	(NA - NA)	(NA - NA)	(7.24 - 10.40)	(5.54 – 9.02)
Oxygen [mg/l] at 3 m	7.63± 4.19	5.91 ± 3.77	7.31± 2.04	7.63± 4.19	NA	NA	7.01± 3.31	5.58± 3.40
	(0.57 – 14.90)	(0 – 10.76)	(3.00 – 11.04)	(0 – 11.22)	(NA - NA)	(NA - NA)	(0 – 9.91)	(0 – 8.76)
Wind speed [m/s]	3.79± 1.73	(1.64 - 8.71)	4.00± 1.78	4.21± 1.87	3.73± 1.82	2.70± 1.23	3.98± 1.75	4.60± 1.89
	(0.56 - 8.70)	(0.57 - 5.35)	(0.34 - 8.82)	(0.16 - 10.04)	(0.11 - 8.94)	(0.26 - 7.94)	(0.89 - 9.16)	(0.13 - 10.13)
Precipitation [mm]	0.04± 0.18	0.06± 0.10	0.09± 0.22	0.17± 0.28	0.05± 0.17	0.13± 0.35	0.08± 0.28	0.11 ± 0.28
	(0.00 – 1.96)	(0.00 - 0.59)	(0.00 – 1.97)	(0.00 – 2.27)	(0.00 – 1.39)	(0.00 – 2.44)	(0.00 – 2.07)	(0.00 – 2.05)
Secchi-Depth [m]	1.18± 0.30	1.22± 0.07	1.11± 0.16	1.10± 0.16	0.99± 0.02	1.16± 0.45	1.20± 0.04	1.20± 0.16
	(0.85 - 1.52)	(1.16 - 1.30)	(0.65 - 1.30)	(0.86 - 1.40)	(0.97 - 1.00)	(0.71 - 1.60)	(1.15 - 1.24)	(0.98 - 1.35)
Temperature [°C] at 1 m	11.94± 1.33	10.77± 0.34	12.55± 0.65	12.20± 1.26	16.01± 0.49	15.06± 0.44	10.77,± 0.88	11.47 ± 1.77
	(9.20 – 14.26)	(10.04 - 11.45)	(11.47 – 14.94)	(10.26 - 14.32)	(15.14 - 17.50)	(14.33 - 16.28)	(9.62 – 13.20)	(9.00 - 14.56)
Temperature [°C] at 4 m	9.15± 0.19	9.36± 0.21	11.42± 1.04	10.95± 1.02	NA	14.81± 0.55	11.40± 0.14	11.38 ± 1.70
	(8.80 – 9.98)	(8.90 – 9.70)	(9.95– 13.11)	9.55 – 13.67)	(NA - NA)	(14.06 - 16.27)	(10.84 – 11.58)	(9.01 - 14.31)