



WISCONSIN DEPARTMENT OF NATURAL RESOURCES

2023 Trout Surveys Report Oshkosh Work Unit , Marquette, Shawano, Waupaca, and Waushara Counties

Introduction And Objectives

In 2023, the Wisconsin Department of Natural Resources (DNR) conducted electrofishing surveys on wadable streams located in Marquette, Shawano, Waushara and Waupaca counties in order to provide insight and direction for the future management of these waters. Primary sampling objectives of these surveys were to characterize relative abundance and size structure for all trout and overall ecological integrity through an index of biotic integrity (IBI) based on all fish species present in the sampled stretches. The following report is a summary of trout metrics for all streams and sites surveyed in 2023. Individual summary reports are also available for each stream surveyed. Contact the appropriate county fisheries biologist to request them.

DNR Contact

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Photo Credit: DNR Staff

Survey Method

All streams are sampled according to the DNR's wadable streams monitoring protocols.

- Trend survey sites are sampled annually in Shawano and Waupaca Counties, and bi annually in Marquette and Waushara Counties, while ROTATION sites are sampled on a rotational frequency (3, 6 or 12 years).
- All sampling sites are electrofished with either a towed barge or backpack electrofishing unit.
- Sampling distance is at least 35 times the mean stream width or a minimum of 330 feet (100 meters), whichever is greater.
- All gamefish are identified to species, measured for length and examined for fin-clips. In at least one survey site per stream, all fish species are collected and counted. If multiple sites are designated for a stream, only one site needs to be sampled for all fish.
- Metrics used to describe fish populations include catch per unit effort (CPUE), length frequency distribution and index of biotic integrity (IBI).



Photo Credit: DNR Staff

Metric Descriptions

- **Catch per unit effort (CPUE)** is a method of quantifying fish population relative abundance. For all trout surveys, we typically quantify CPUE as the number of a given size class of trout captured per mile of stream. CPUE indexes are compared to other trout streams throughout Wisconsin by what percentile (PCTL) they fall out in. For example, if a CPUE is in the 90th percentile, it is higher than 90% of the other CPUEs in the state. CPUE percentiles can also be used to categorize trout abundance as low density (<33rd percentile), moderate density (33rd - 66th percentile), high density (66th - 90th percentile) and very high density (>90th percentile).
- **Length frequency distribution** is a graphical representation of the number or percentage of fish captured by half inch or one inch size intervals.
- **Index of Biotic Integrity (IBI)** is a rating of environmental quality based on the fish assemblage. Scores of 90 - 100 indicate excellent stream quality, while scores less than 30 indicate poor stream quality. Our analysis utilizes the IBI for Wisconsin coldwater streams. Coldwater streams in Wisconsin are those in which the maximum daily mean water temperature is usually <22°C (71.6°F). A coolwater stream IBI may also be used when a stream doesn't fit the temperature criteria for a coldwater stream.

Acknowledgments and Notes

We would like to thank Chris Ascher, Aaron O'Connell, Trevor Hoheisel, Adam Nickel, Tom Meronek, Scott Bunde, and Elliot Hoffman who were the primary crew members responsible for daily stream survey work and data entry/analysis. There were other staff, too numerous to list who helped to complete these surveys throughout the summer. Their assistance was greatly appreciated.

In total, this past survey season the Upper Fox and Wolf River work unit was able to survey 9.93 miles of stream. 2,202 brook trout, 5,681 brown trout, and 1,273 other fish of various species were captured during the surveys.



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SURVEY INFORMATION									
Stream Name	County	Survey Type	Site Location	Survey Dates	Water Temperature (°F)	Station Length (feet)	GPS (Start/Finish)	Gear	Dippers
Chaffee Creek	Waushara	Trout - Trend	CTH Y to CTH Z	08/01/2023	58	4000	43.9502, -89.3654 43.9522, -89.3749	Towed Barge Shocker	3
Little Wolf River	Waupaca	Trout - Trend	Ness Road	07/25/2023	61	3000	44.6177, -89.1645 44.6213, -89.1730	Towed Barge Shocker	3
Mecan River	Waushara	Trout - Trend	STH 21	08/17/2023	60	2000	44.0259, -89.4407 44.0295, -89.4438	Towed Barge Shocker	3
Mill Creek	Shawano	Trout - Trend	Winkle Road	08/09/2023	60	1250	44.8115, -88.8216 44.8132, -88.8228	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Trend	CTH D	07/27/2023	61	2000	44.9034, -89.0344 44.9056, -89.0366	Towed Barge Shocker	3
Peterson Creek	Waupaca	Trout - Trend	Jensen Road	7/25/2023	64	2000	44.3589, -89.1681 44.4354, -89.1768	Towed Barge Shocker	3
Pine River	Waushara	Trout - Trend	CTH A	08/16/2023	60	2000	44.1863, -89.1541 44.1854, -89.1587	Towed Barge Shocker	3
Pine River	Waushara	Trout - Trend	19th Lane	08/02/2023	60	2300	44.2045, -89.2231 44.2030, -89.2271	Towed Barge Shocker	3
Radley Creek	Waupaca	Trout - Trend	STH 22	07/24/2023	52	2000	44.2767, -89.1681 44.2759, -89.1928	Towed Barge Shocker	3
Waupaca River	Waupaca	Trout - Trend	CTH Q	09/06/2023	68	2800	44.3806, -89.1785 44.3767, -89.1838	2x Towed Barge Shocker	3
White River	Waushara	Trout - Trend	Cottonville Lane	08/18/2023	58	2000	44.0439, -89.2776 44.0464, -89.2820	Towed Barge Shocker	3
Willow Creek	Waushara	Trout - Trend	Blackhawk Road	08/23/2023	63	2000	44.1029, -89.1323 44.1051, -89.1364	Towed Barge Shocker	3
Basteen Creek	Waupaca	Trout - Rotation	Spring Street	07/11/2023	58	330	44.4489, -89.0336 44.4480, -89.0340	Backpack Shocker	1
Bird Creek	Waushara	Trout - Trend	Behind High School	08/19/2023	55	800	44.0686, -89.3028 44.0696, -89.3038	Towed Barge Shocker	3
Davies Creek	Waushara	Trout - Rotation	CTH K	07/17/2023	55	394	44.2129, -89.1972 44.2135, -89.1973	Towed Barge Shocker	3
Gesky Creek	Waupaca	Trout - Rotation	CTH E	07/11/2023	60	330	44.6505, -89.0121 44.6502, -89.0130	Backpack Shocker	1
Humphrey Creek	Waushara	Trout - Rotation	CTH K	07/17/2023	55	526	44.1825, -89.1959 44.1824, -89.1968	Towed Barge Shocker	3
Jones Creek	Waushara	Trout - Rotation	HWY 22	07/24/2023	54	330	44.2010, -89.2421 44.2015, -89.2427	Backpack Shocker	1
Kaminski Creek	Waushara	Trout - Rotation	CTH A - Up	07/24/2023	58	225	44.1825, -89.1958 44.1825, -89.1966	Backpack Shocker	1
Kaminski Creek	Waushara	Trout - Rotation	CTH A - Down	07/24/2023	58	330	44.1826, -89.1944 44.18262, -89.1955	Backpack Shocker	1
Mecan River	Marquette	Trout - Special Study	Dixie Avenue	7/27/2023	69	920	43.9253, -89.3261 43.9536, -89.3248	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Schoolhouse Road	08/03/2023	64	971	44.8559, -88.9467 44.8570, -88.9463	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Mountain Bay Trail	08/01/2023	60	905	44.8659, -88.9506 44.8679, -88.9514	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Butternut Road	08/03/2023	64	904	44.8622, -88.9709 44.8605, -88.9707	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	CTH D School	08/01/2023	59	1051	44.8532, -88.9799 44.8541, -88.9826	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Ranger Station	08/03/2023	62	952	44.8640, -88.9909 44.8641, -88.9938	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Old CTH D	08/02/2023	62	797	44.8848, -88.0165 44.8861, -88.0152	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Maple Road	08/02/2023	60	717	44.9036, -89.0627 44.9035, -89.0645	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	River Road	08/02/2023	60	649	44.9113, -89.0829 44.1166, -89.0845	Towed Barge Shocker	3
North Branch Embarrass River	Shawano	Trout - Rotation	Lake Church Road	08/07/2023	58	330	44.9481, -89.1062 44.9489, -89.1063	Backpack Shocker	1
North Branch Little Wolf River	Waupaca	Trout - Rotation	CTH K	07/13/2023	62	375	44.4742, -89.0172 44.4738, -89.0178	Towed Barge Shocker	3
North Branch Little Wolf River	Waupaca	Trout - Rotation	Smith Road	07/17/2023	60	330	44.4828, -89.0401 44.4842, -89.0405	Towed Barge Shocker	3
North Branch Little Wolf River	Waupaca	Trout - Rotation	CTH E	07/17/2023	63	425	44.4873, -89.0412 44.4738, -89.0178	Towed Barge Shocker	3
North Branch Little Wolf River	Waupaca	Trout - Rotation	Knutson Lake Road	07/17/2023	55	330	44.5031, -89.0609 44.5036, -89.0615	Backpack Shocker	1



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Stream Name	County	Survey Type	Site Location	Survey Dates	Water Temperature (°F)	Station Length (feet)	GPS (Start/ Finish)	Gear	Dippers
North Branch Pigeon River	Waupaca	Trout - Rotation	Highway 45	07/12/2023	58	330	44.7080, -88.9801 44.7085, -88.9795	Backpack Shocker	1
North Branch Pigeon River	Waupaca	Trout - Rotation	Doty Creek Fishery Area	07/11/2023	59	414	44.6701, -88.9406 44.6703, -88.9413	Backpack Shocker	1
North Branch Pigeon River	Waupaca	Trout - Rotation	CTH SS - Downstream	07/12/2023	57	330	44.67357, - 88.9655 44.6729, -88.9665	Backpack Shocker	1
North Branch Pigeon River	Shawano	Trout - Rotation	CTH SS - Upstream	07/12/2023	56	330	44.6728, -88.9667 44.6720, -88.9674	Backpack Shocker	1
North Fork Blake Creek	Waupaca	Trout - Rotation	CTH E - Downstream	07/10/2023	60	330	44.5443, -89.0208 44.5449, -89.0209	Backpack Shocker	1
North Fork Blake Creek	Waupaca	Trout - Rotation	CTH E - Upstream	07/10/2023	60	330	44.5451, -89.0214 44.5460, -89.0227	Backpack Shocker	1
West Branch Shioc River	Shawano	Trout - Rotation	Porter Road	07/20/2023	54	330	44.7348, -88.4519 44.7368 -88.4512	Towed Barge Shocker	3
Pine River	Waupaca	Trout - Rotation	CTH A - STH 22	07/19/2022	62	505	44.1847, -89.2459 44.1836, -89.2472	Towed Barge Shocker	3
Pine River	Waupaca	Trout - Rotation	CTH A	07/20/2023	63	1330	44.1809, -89.1364 44.1832, -89.1385	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	Aniwa Road Habitat Site	07/19/2023	59	892	44.2052, -89.1967 44.2058, -89.1988	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	Portage Road	07/20/2023	66	1275	44.1755, -89.1251 44.1778, -89.1280	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	28th Court	07/25/2023	69	1200	44.1412, -89.0590 44.1428, -89.0608	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	Aniwa Road	07/19/2023	63	1060	44.2032, -89.1854 44.2045, -89.1858	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	Apache Road	07/20/2023	59	1000	44.1955, -89.1827 44.1971, -89.1832	Towed Barge Shocker	3
Pine River	Waushara	Trout - Rotation	Below Saxeville Dam	07/25/2023	66	1300	44.1738, -89.1122 44.1750, -89.1138	Towed Barge Shocker	3
West Branch Shioc River	Shawano	Trout - Rotation	Highway 29	07/20/2023	56	540	44.7357, -88.4512 44.7309, -88.4539	Towed Barge Shocker	3
West Branch Shioc River	Shawano	Trout - Rotation	Behind School	08/07/2023	59	330	44.7377, -88.4532 44.7380, -88.4546	Backpack Shocker	1
West Branch Shioc River	Shawano	Trout - Rotation	Porter Road	07/20/2023	54	330	44.7348, -88.4519 44.7368, -88.4512	Towed Barge Shocker	3



All photos taken by DNR Staff



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Brown Trout

- Brown trout (*Salmo trutta*) are a predatory species found throughout Wisconsin, not native to the United States they were introduced in 1883. Typically brown trout spawn in gravel, forming nests called redds, from October to December. Depending on the depth and width of a stream barge shockers or backback shockers are used to sample brown trout. Both gear types were used for the surveys listed in this report.

TREND SITES CATCH METRICS - PER MILE

Stream Name	Site Location	Average Length and Range	Total and (PCTL)	Young of Year (YOY) per mile	>6" (PCTL)	>8" (PCTL)	>10" (PCTL)	>12" (PCTL)	>15" (PCTL)
Chaffee Creek	CTH Y to CTH Z	9.6 (3.2 - 16.8)	504 (75)	1	500 (86)	364 (89)	169 (87)	42 (78)	8 (77)
Little Wolf River	Ness Road	8.1 (2.5 - 14.3)	65 (37)	21	43 (38)	18 (34)	16 (43)	7 (46)	-
Mecan River	STH 21	8.9 (2.2 - 16.0)	2298 (95)	770	1185 (97)	683 (95)	259 (98)	32 (71)	3 (66)
Mill Creek	Winkle Road	9.2 (6.9 - 11.2)	17 (17)	-	17 (23)	8 (22)	8 (33)	-	-
North Branch Embarrass River	CTH D	7.1 (2.4 - 14.9)	55 (34)	8	40 (37)	13 (28)	8 (33)	3 (39)	-
Peterson Creek	Jensen Road	8.3 (2.4 - 21.8)	947 (86)	97	707 (91)	416 (91)	256 (93)	167 (97)	53 (99)
Pine River	CTH A	9.4 (3.2 - 18.4)	378 (69)	24	333 (80)	230 (82)	161 (86)	87 (91)	16 (88)
Pine River	19th Lane	7.6 (2.3 - 16.6)	1624 (93)	346	1046 (96)	768 (96)	381 (97)	89 (91)	5 (69)
Radley Creek	STH 22	7.1 (2.3 - 16.8)	1383 (91)	137	823 (93)	512 (92)	169 (87)	50 (82)	13 (86)
Waupaca River	CTH Q	8.6 (2.1 - 17.8)	540 (76)	66	406 (83)	204 (80)	147 (84)	104 (93)	19 (91)
White River	Cottonville Lane	10.4 (5.7 - 20.0)	422 (72)	-	362 (82)	272 (84)	164 (86)	98 (92)	24 (94)
Willow Creek	Blackhawk Road	7.7 (2.8 - 16.2)	807 (83)	277	427 (84)	195 (79)	95 (77)	24 (66)	5 (69)

ROTATIONAL SITES CATCH METRICS - PER MILE

Stream Name	Site Location	Average Length and Range (inches)	Total and (PCTL)	Young of Year (YOY) per mile	>6" (PCTL)	>8" (PCTL)	>10" (PCTL)	>12" (PCTL)	>15" (PCTL)
Basteen Creek	Spring Street	6.2	16 (15)	-	16 (20)	-	-	-	-
Bird Creek	STH 21	7.9 (3.2 - 14.8)	1559 (92)	13	1171 (97)	665 (95)	184 (88)	33 (73)	-
Davies Creek	CTH K	5.2 (1.0 - 11.8)	1773 (94)	77	307 (78)	80 (60)	27 (53)	-	-
Humphrey Creek	CTH K	7.2 (2.9 - 12.8)	500 (75)	200	320 (79)	200 (79)	60 (68)	10 (50)	-
Jones Creek	STH 22	2.8 (1.0 - 5.2)	1318 (91)	1286	-	-	-	-	-
Kaminski Creek	CTH A - Downstream	4.7 (2.2 - 8.2)	38 (28)	19	10 (15)	10 (25)	-	-	-
Mecan River	Dixie Avenue	9.2 (5.2 - 13.8)	178 (54)	-	172 (66)	109 (67)	52 (65)	35 (58)	-
North Branch Embarrass River	Schoolhouse Road	12.3 (9.1 - 15.0)	16 (15)	-	16 (20)	16 (31)	11 (38)	11 (52)	5
North Branch Embarrass River	Mountain Bay Trail	12.7 (2.7 - 21.5)	53 (33)	6	47 (40)	47 (50)	29 (55)	29 (69)	18
North Branch Embarrass River	Butternut Road	15.6 (11.0 - 20.2)	47 (31)	-	47 (40)	47 (50)	47 (62)	41 (77)	29
North Branch Embarrass River	CTH D - School	3.6 (2.2 - 7.6)	55 (34)	45	10 (15)	-	-	-	-
North Branch Embarrass River	Ranger Station	8.5 (2.9 - 24.1)	239 (60)	17	167 (65)	106 (66)	56 (66)	39 (76)	22
North Branch Embarrass River	Old CTH D	6.9 (2.3 - 14.8)	245 (60)	27	192 (69)	53 (53)	13 (40)	13 (56)	-
North Branch Embarrass River	Maple Rd.	10.0	7 (7)	-	7 (11)	7 (20)	7 (32)	-	-
North Branch Little Wolf River	CTH E	10.5	13 (13)	-	13 (18)	13 (28)	13 (40)	-	-
North Branch Little Wolf River	CTH K	9.0	14 (13)	-	14 (19)	14 (29)	-	-	-
Pine River	CTH A - STH 22	7.3 (2.3 - 14.0)	1802 (93)	281	1448 (98)	792 (97)	208 (90)	21 (64)	-
Pine River	CTH A	8.8 (2.6 - 19.6)	611 (79)	87	500 (86)	325 (87)	218 (91)	91 (91)	16
Pine River	Aniwa Road Habitat	8.1 (2.8 - 15.4)	1101 (88)	124	876 (94)	651 (95)	320 (95)	65 (86)	6
Pine River	Portage Street	10.2 (2.5 - 19.4)	452 (73)	29	411 (83)	311 (86)	228 (91)	141 (96)	58
Pine River	28th Court	8.9 (2.5 - 22.0)	75 (40)	26	40 (37)	35 (46)	22 (50)	13 (56)	9
Pine River	Aniwa Road	7.4 (2.1 - 16.8)	1189 (88)	154	891 (94)	542 (93)	239 (91)	65 (86)	5
Pine River	Apache Road	8.3 (2.7 - 15.8)	746 (82)	37	672 (91)	482 (92)	180 (88)	64 (86)	5
Pine River	Below Saxeville Dam	8.6 (2.1 - 20.8)	1041 (87)	191	825 (93)	622 (95)	443 (97)	150 (96)	24



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Brook Trout

- Brook trout (*Salvelinus fontinalis*) is the only stream dwelling trout native to Wisconsin, found predominately in central and northern Wisconsin. Brook trout reside in cold headwater streams and spawn by building a nest called a redd in the fall of the year around November. Barge and backpack shockers are used for sampling in streams, thus data reported in this summary are from both gear types.

TREND SITES CATCH METRICS - PER MILE

Stream Name	Site Location	Average Length and Range (inches)	Total and (PCTL)	Young of Year (YOY) per mile	>5" (PCTL)	>8" (PCTL)	>10" (PCTL)	>12" (PCTL)
Little Wolf River	Ness Road	5.3 (2.2 - 10.0)	329 (61)	279	323 (81)	54 (76)	5 (65)	-
Mill Creek	Winkle Road	5.0 (2.1 - 10.6)	1173 (88)	494	650 (92)	135 (91)	4 (64)	-
North Branch Embarrass River	CTH D - County Property	5.0 (1.5 - 9.5)	1443 (92)	454	921 (96)	40(68)	-	-
Peterson Creek	Jensen Road	6.2 (5.4 - 6.9)	35 (21)	-	35 (32)	-	-	-

ROTATIONAL SITES CATCH METRICS - PER MILE

Stream Name	Site Location	Average Length and Range (inches)	Total and (PCTL)	Young of Year (YOY) per mile	>5" (PCTL)	>8" (PCTL)	>10" (PCTL)	>12" (PCTL)
Basteen Creek	Spring Street	6.6 (2.7 - 9.4)	254 (56)	32	206 (69)	79 (82)	-	-
Davies Creek	CTH K	6.2 (1.8 - 8.8)	147 (44)	27	120 (56)	27 (59)	-	-
Humphrey Creek	CTH K	5.0 (2.7 - 8.3)	150 (44)	70	80 (46)	10 (38)	-	-
Jones Creek	STH 22	2.8	16 (11)	16	-	-	-	-
Kaminski Creek	CTH A Downstream	5.1 (2.2 - 8.5)	288 (59)	64	192 (67)	16 (47)	-	-
Kaminski Creek	CTH A Upstream	3.9 (2.4 - 6.4)	70 (31)	47	23 (24)	-	-	-
North Branch Embarrass River	Schoolhouse Road	7.3 (3.5 - 9.3)	49 (26)	5	44 (35)	11 (40)	-	-
North Branch Embarrass River	Mountain Bay Trail	5.3 (2.2 - 11.6)	228 (53)	99	123 (56)	35 (66)	6 (69)	-
North Branch Embarrass River	Butternut Road	8.1 (7.0 - 10.4)	29 (18)	-	29 (27)	12 (42)	6 (69)	-
North Branch Embarrass River	CTH D - School	7.0 (2.9 - 8.7)	106 (38)	5	101 (52)	15 (45)	-	-
North Branch Embarrass River	Ranger Station	6.4 (3.4 - 9.1)	322 (61)	6	294 (78)	39 (68)	-	-
North Branch Embarrass River	Old CTH D	4.6 (2.1 - 8.8)	1298 (90)	583	636 (92)	53 (75)	-	-
North Branch Embarrass River	Maple Road	6.4 (2.4 - 9.8)	728 (80)	66	647 (92)	37 (67)	-	-
North Branch Embarrass River	River Road	4.5 (1.9 - 8.4)	959 (86)	529	398 (85)	8 (35)	-	-
North Branch Embarrass River	Lake Church Road	3.4 (2.2 - 5.4)	270 (57)	191	48 (36)	-	-	-
North Branch Little Wolf	CTH K	4.6 (2.7 - 6.9)	85 (34)	42	42 (35)	-	-	-
North Branch Little Wolf	Smith Road	7.7 (2.6 - 15.3)	794 (82)	48	714 (93)	349 (98)	175 (99)	48 (99)
North Branch Little Wolf	CTH E	6.6 (2.3 - 10.2)	213 (52)	25	175 (65)	63 (78)	13 (79)	-
North Branch Little Wolf	Knutson Lake Road	4.6 (2.3 - 7.2)	64 (29)	32	32 (29)	-	-	-
North Branch Pigeon River	Highway 45	6.4 (5.7 - 7.9)	127 (41)	-	127 (57)	-	-	-
North Branch Pigeon River	Doty Creek Fishery	5.2 (2.1 - 8.2)	385 (65)	64	295 (78)	13 (43)	-	-
North Branch Pigeon River	CTH SS - Downstream	5.0 (2.3 - 7.9)	288 (59)	48	208 (69)	-	-	-
North Branch Pigeon River	CTH SS - Upstream	5.2 (1.7 - 8.9)	320 (61)	96	208 (69)	16 (47)	-	-
North Fork Blake Creek	CTH E - Downstream	8.0 (5.5 - 9.7)	111 (38)	-	111 (54)	79 (83)	-	-
North Fork Blake Creek	CTH E - Upstream	5.8 (2.4 - 8.8)	127 (41)	32	95 (50)	16 (47)	-	-
Pine River	CTH A to STH 22	5.6 (5.3 - 6.0)	42 (23)	-	42 (32)	-	-	-
Pine River	Aniwa Road Habitat	6.6 (5.7 - 7.5)	36 (21)	-	36 (33)	-	-	-
Pine River	Below Saxeville Dam	8.8	4 (1)	-	4 (5)	4 (30th)	-	-
West Branch Shioc River	Behind School	4.9 (2.1 - 10.2)	444 (68)	254	191 (67)	48 (73)	16 (82)	-
West Branch Shioc River	Porter Road	6.8 (2.4 - 9.5)	1048 (87)	238	810 (95)	318 (98)	-	-
West Branch Shioc River	STH 29	6.4 (2.2 - 12.6)	1814 (95)	529	1284 (98)	569 (99)	108 (99)	10 (95)