WISCONSIN DEPARTMENT OF NATURAL RESOURCES

2024 Trout Survey Summary Report
Langlade and Lincoln Counties

Introduction And Objectives

In 2024, the Department of Natural Resources conducted electrofishing surveys on wadeable streams located in Langlade and Lincoln Counties in order to provide insight and direction for the future management of these and other similar trout waters. Primary sampling objectives of these surveys were to characterize relative abundance and size structure of all trout and gamefish species. The following report is a summary of all trout data collected on streams and sites surveyed in 2024. Individual summary reports may also be available for each stream.

Metric Descriptions

- **Catch Per Effort (CPE):** an index of trout relative abundance. We typically quantify CPE by the number and size of trout captured per mile of stream. CPE indexes are compared to statewide streams using percentiles (PCTL). For example, if a CPE is in the 90th percentile, it is higher than 90% of the other CPE's in the state.
- **Population Estimate (PE):** one marking survey, where adult trout are given a small fin clip, and one recapture survey are typically done 7-10 days apart to estimate the total adult population of trout ≥ 4 inches.
- **Length Frequency Distribution:** a graphical presentation of the number or percentage of fish captured by half inch size intervals. If a PE was done, the graph only contains trout captured during the marking survey.
- **Relative Stock Density (RSD):** the percentage of trout that meet a minimum size (4 inches for stream trout) that are also over a quality size for that species. For example, RSD8 is the percentage of brook trout captured on the marking (first) run that were 8 inches and longer out of all brook trout captured that were at least 4 inches long (typically age 1 and older adult fish).

DNR Contact

Dave Seibel - Fisheries Biologist
Taylor Curran - Fisheries Biologist

223 East Steinfest Road
Antigo, WI 54409
Phone: 715-623-4190 Ext. 3112
Email: david.seibel@wisconsin.gov

Langlade and Lincoln Counties

Trout Stream Count: 301

Trout Stream Miles: 792.5

Class 1 Miles: 346.9

Class 2 Miles: 428.6

Class 3 Miles: 17.0

Survey Methods

- All streams are sampled according to DNR wadeable stream monitoring protocols.
- **TREND** survey sites are sampled annually while **ROTATION** sites are sampled on a rotational frequency (6 or 12 years).
- All sampling sites are electrofished with either a towed barge or backpack shocker.
- Sampling distance for rotation surveys is at least 35 times the average stream width or a minimum of 109 yards (100 meters).
- All gamefish are identified to species, measured for length, and examined for fin-clips. In at least one survey site 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 length range, catch per effort (CPE), length frequency distribution, population estimate (PE), and Relative Stock Density (RSD).
- **HABITAT** and **DEVICE** survey stations are where trout habitat improvement projects have been done. **CONTROL** survey stations are unimproved and are usually adjacent to habitat projects and offer a side-by-side comparison of improvement projects with unimproved sections.

Survey Site Information									
Stream Name	**Stream Class**	**County**	**Survey Type**	**Site Location**	**Survey Date(s)**	**Station Length (ft.)**	**Shocker Type**	**Netters**	**Water Temp (°F)**
E. Br. Eau Claire R.	Class I	Langlade	Trend (PE)	CTH C - Downstream	July 18 & 25	1,109	Barge	2	64 & 58
E. Br. Eau Claire R.	Class I	Langlade	Trend (PE)	Bluebell Rd. - Devices	August 19 & 28	2,300	Barge	2	60 & 63
E. Br. Eau Claire R.	Class I	Langlade	Trend (PE)	Bluebell Rd. - Control	August 19 & 28	1,757	Barge	2	59 & 63
E. Br. Eau Claire R.	Class I	Langlade	Trend (PE)	CTH I - Upstream	July 18 & 25	1,110	Barge	2	61 & 56
Evergreen River	Class I	Langlade	Trend (PE)	Stamper Rd. - Control1	June 18 & 26	270	Barge	2	59 & 62
Evergreen River	Class I	Langlade	Trend (PE)	Stamper Rd. - Devices	June 18 & 26	1,650	Barge	2	60 & 62
Evergreen River	Class I	Langlade	Trend (PE)	Stamper Rd. - Control2	June 18 & 26	450	Barge	2	61 & 62
Hunting River	Class I	Langlade	Trend (CPE)	CTH T - Lower Devices	August 14	3,991	Barge	2	63
Hunting River	Class I	Langlade	Trend (PE)	Page's Bridge - Upstream	August 14 & 29	1,500	Barge	2	66 & 59
Hunting River	Class I	Langlade	Habitat (CPE)	Page's Bridge - Downstream	August 14	1,261	Barge	2	64
Ninemile Creek	Class II	Langlade	Trend (CPE)	Lower Old RR Grade	September 4	1,215	Barge	2	58
Ninemile Creek	Class II	Langlade	Trend (CPE)	Upper Old RR Grade	September 4	315	Barge	2	58
Ninemile Creek	Class II	Langlade	Trend (CPE)	E. Hollister Rd. - Upstream	September 4	1,000	Barge	2	61
Ninemile Creek	Class II	Langlade	Trend (CPE)	STH 55 - Downstream	September 4	1,290	Barge	2	60
Red River	Class II	Langlade	Trend (CPE)	STH 47 to Phlox Dam	July 10	783	Barge	2	71
Spring Brook	Class I	Langlade	Trend (PE)	Virginia Street - Upstream	July 10 & 18	1,385	Barge	2	57 & 53
Spring Brook	Class I	Langlade	Trend (PE)	CTH HH to Brookside Rd.	July 10 & 18	483	Barge	2	64 & 59
Prairie River	Class I	Lincoln	Trend (PE)	Gleason School Forest (GSF)	August 20 & 28	1,386	Barge	2	60 & 62
Prairie River	Class I	Lincoln	Trend (CPE)	Hackbarth Dr. - 1989 Habitat	August 20	2,605	Barge	2	55
Prairie River	Class I	Lincoln	Trend (CPE)	Hackbarth Dr. - Devices	August 20	1,053	Barge	2	58
Prairie River	Class I	Lincoln	Trend (CPE)	Hackbarth Dr. - Control	August 20	500	Barge	2	59
Spring Creek	Class I	Lincoln	Habitat (CPE)	2024 Habitat Project (Pre)	July 3	1,206	Barge	2	62

Brook Trout Data Summary*

Catch Per Effort (number of trout per mile) - Brook Trout								
Stream Name	**Site Location**	**Length Range (Inches)**	**Total (PCTL)**	**Young of Year (YOY)**	**≥6" (PCTL)**	**≥8" (PCTL)**	**≥10" (PCTL)**	**≥12" (PCTL)**
E. Br. Eau Claire R.	CTH C - Downstream	2.2 - 14.7	1,143 (95th)	105	862 (95th)	386 (95th)	100 (95th)	33 (95th)
E. Br. Eau Claire R.	Bluebell Rd. - Devices	2.2 - 15.7	900 (90th)	48	753 (95th)	480 (95th)	218 (95th)	46 (95th)
E. Br. Eau Claire R.	Bluebell Rd. - Control	2.2 - 10.2	1,367 (95th)	663	466 (90th)	75 (85th)	3 (75th)	0 (90th)
E. Br. Eau Claire R.	CTH I - Upstream	2.7 - 13.2	162 (65th)	14	128 (75th)	81 (85th)	33 (90th)	14 (95th)
Evergreen River	Stamper Road Devices	1.2 - 11.2	461 (85th)	154	125 (75th)	35 (75th)	6 (75th)	0 (90th)
Evergreen River	Stamper Road Controls	1.7 - 8.2	557 (85th)	205	139 (75th)	22 (70th)	0 (75th)	0 (90th)
Hunting River	CTH T - Lower Devices	2.2 - 14.2	413 (80th)	108	236 (85th)	83 (85th)	28 (90th)	7 (95th)
Hunting River	Page's Bridge - Upstream	2.2 - 11.2	517 (85th)	180	257 (85th)	81 (85th)	25 (90th)	0 (90th)
Hunting River	Page's Bridge - Downstream	2.2 - 13.2	285 (75th)	105	168 (80th)	75 (85th)	25 (90th)	8 (95th)
Ninemile Creek	Lower Old RR Grade	3.2 - 13.7	109 (60th)	17	78 (65th)	57 (80th)	35 (90th)	17 (95th)
Ninemile Creek	Upper Old RR Grade	2.7 - 5.7	134 (65th)	67	0 (40th)	0 (50th)	0 (75th)	0 (90th)
Ninemile Creek	East Hollister Rd.	3.2 - 11.2	85 (60th)	5	69 (65th)	21 (65th)	16 (85th)	0 (90th)
Ninemile Creek	STH 55	6.2 - 13.2	66 (55th)	0	66 (65th)	41 (75th)	25 (90th)	8 (95th)
Red River	STH 47 to Phlox Dam	6.2 - 10.7	54 (55th)	0	54 (60th)	41 (75th)	14 (85th)	0 (90th)
Spring Brook	Virginia Street	3.2 - 10.2	747 (90th)	8	583 (95th)	179 (90th)	8 (80th)	0 (90th)
Spring Brook	CTH HH	1.7 - 13.2	2,372 (95th)	667	1,257 (95th)	415 (95th)	98 (95th)	11 (95th)
Prairie River	Gleason School Forest (GSF)	1.7 - 8.2	469 (85th)	114	286 (85th)	107 (90th)	27 (90th)	0 (90th)
Prairie River	Hackbarth Dr. - 1989 Hab.	1.7 - 8.2	657 (90th)	53	472 (90th)	249 (95th)	95 (95th)	4 (90th)
Prairie River	Hackbarth Dr. - Devices	1.7 - 8.2	201 (70th)	10	176 (80th)	100 (85th)	30 (90th)	5 (90th)
Prairie River	Hackbarth Dr. - Control	1.7 - 8.2	349 (80th)	32	232 (85th)	42 (75th)	0 (75th)	0 (90th)
Spring Creek	2024 Habitat Project (Pre)	1.7 - 8.2	398 (80th)	180	171 (80th)	70 (85th)	22 (90th)	4 (90th)

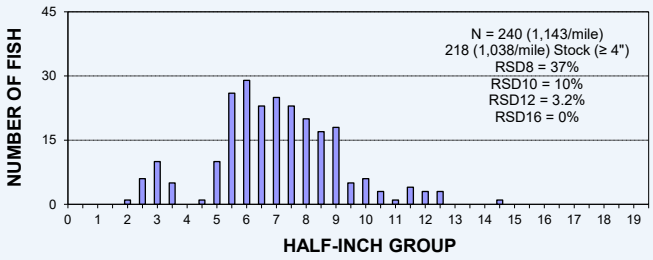
*** If a stream or survey site from page 2 is not listed, there were no brook trout captured.**

Brown Trout Data Summary*

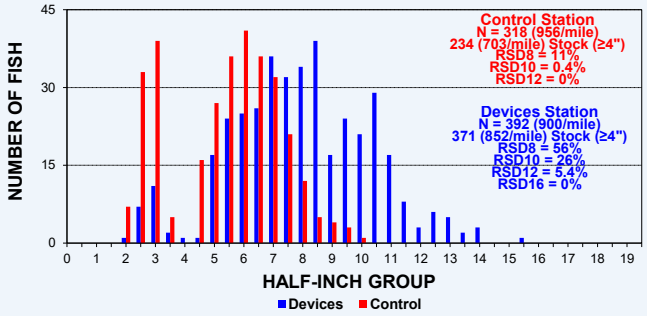
Catch Per Effort (number of trout per mile) - Brown Trout								
Stream Name	**Site Location**	**Length Range (Inches)**	**Total (PCTL)**	**Young of Year (YOY)**	**≥8" (PCTL)**	**≥10" (PCTL)**	**≥12" (PCTL)**	**≥16" (PCTL)**
Evergreen River	Stamper Road Devices	1.2 - 16.2	413 (75th)	22	96 (70th)	70 (75th)	54 (80th)	3 (85th)
Evergreen River	Stamper Road Controls	1.2 - 12.2	271 (70th)	15	37 (60th)	22 (65th)	7 (65th)	0 (80th)
Hunting River	CTH T - Lower Devices	2.7 - 16.7	222 (70th)	88	57 (65th)	38 (65th)	24 (75th)	5 (85th)
Hunting River	Page's Bridge - Upstream	2.7 - 15.2	253 (70th)	120	63 (65th)	14 (60th)	11 (65th)	0 (80th)
Hunting River	Page's Bridge - Downstream	2.2 - 20.7	239 (70th)	80	96 (70th)	50 (70th)	46 (80th)	38 (95th)
Ninemile Creek	Lower Old RR Grade	9.7 - 12.2	48 (55th)	0	48 (65th)	44 (70th)	13 (65th)	0 (80th)
Ninemile Creek	Upper Old RR Grade	—	0 (45th)	0	0 (50th)	0 (55th)	0 (60th)	0 (80th)
Ninemile Creek	East Hollister Rd.	9.0 - 9.4	5 (45th)	0	5 (50th)	0 (55th)	0 (60th)	0 (80th)
Ninemile Creek	STH 55	9.2 - 13.2	45 (55th)	0	45 (65th)	37 (65th)	12 (65th)	0 (80th)
Red River	STH 47 to Phlox Dam	6.2 - 20.2	74 (60th)	0	54 (65th)	47 (70th)	47 (80th)	14 (95th)
Prairie River	Gleason School Forest (GSF)	2.7 - 13.7	152 (65th)	31	34 (60th)	27 (65th)	15 (70th)	0 (80th)
Prairie River	Hackbarth Dr. - 1989 Hab.	2.7 - 16.2	296 (70th)	30	150 (75th)	124 (80th)	83 (90th)	2 (80th)
Prairie River	Hackbarth Dr. - Devices	3.2 - 19.2	266 (70th)	5	221 (80th)	211 (85th)	140 (95th)	50 (95th)
Prairie River	Hackbarth Dr. - Control	2.7 - 13.2	180 (65th)	21	106 (70th)	106 (80th)	32 (75th)	0 (80th)
Spring Creek	2024 Habitat Project (Pre)	1.7 - 12.2	814 (85th)	451	53 (65th)	44 (70th)	4 (60th)	0 (80th)

*** If a stream or survey site from page 2 is not listed, there were no brown trout captured.**

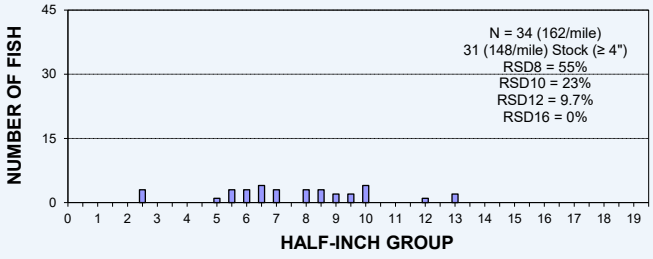
EAST BRANCH EAU CLAIRE RIVER
HABITAT BELOW CTH C - 2024
BROOK TROUT LENGTH FREQUENCY



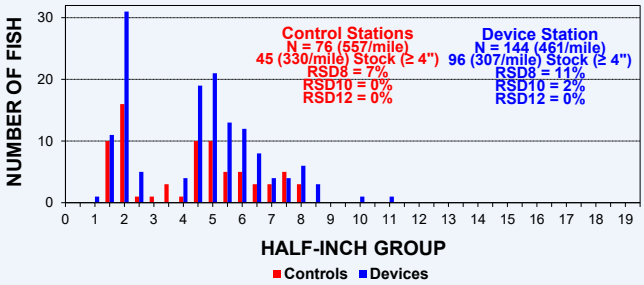
EAST BRANCH EAU CLAIRE RIVER
DEVICES & CONTROL BELOW BLUEBELL ROAD - 2024
BROOK TROUT LENGTH FREQUENCIES



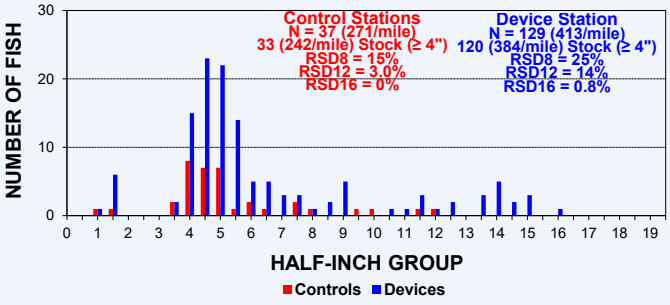
EAST BRANCH EAU CLAIRE RIVER
CONTROL ABOVE CTH I - 2024
BROOK TROUT LENGTH FREQUENCY



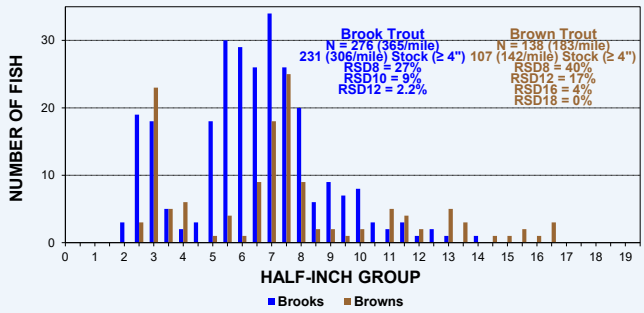
EVERGREEN RIVER
DEVICES & CONTROLS ABOVE STAMPER ROAD - 2024
BROOK TROUT LENGTH FREQUENCIES



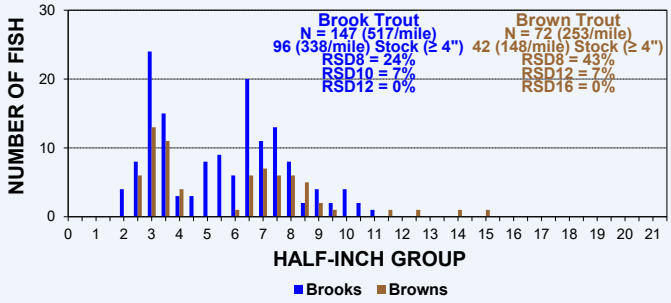
EVERGREEN RIVER
DEVICES & CONTROLS ABOVE STAMPER ROAD - 2024
BROWN TROUT LENGTH FREQUENCIES



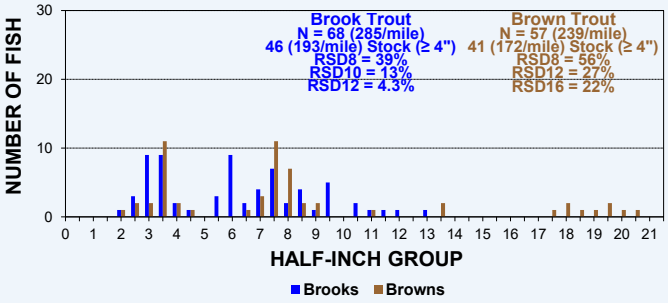
HUNTING RIVER
LOWER DEVICES - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



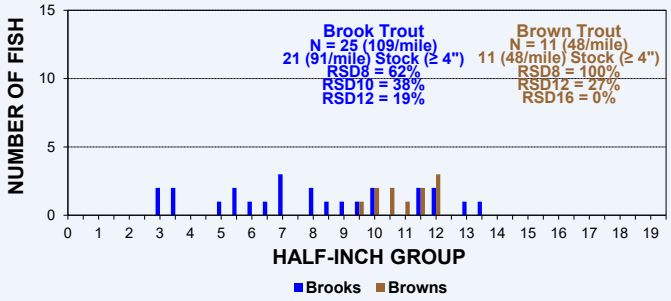
HUNTING RIVER
PAGE'S BRIDGE UPSTREAM - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



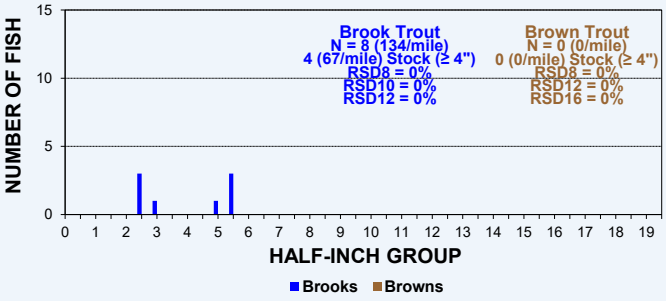
HUNTING RIVER
PAGE'S BRIDGE DOWNSTREAM - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



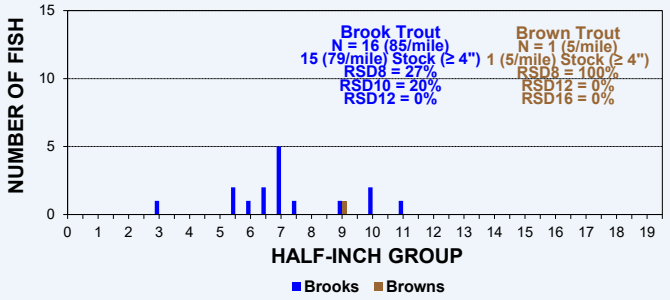
NINEMILE CREEK
LOWER OLD RR GRADE - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



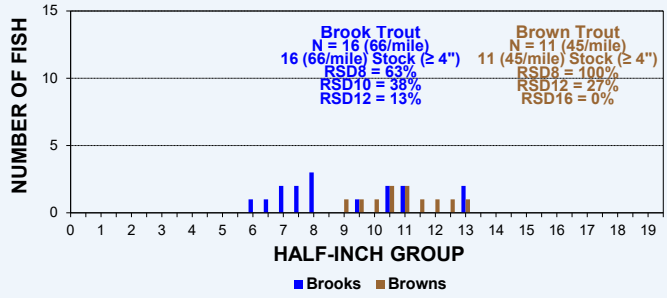
NINEMILE CREEK
UPPER OLD RR GRADE - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



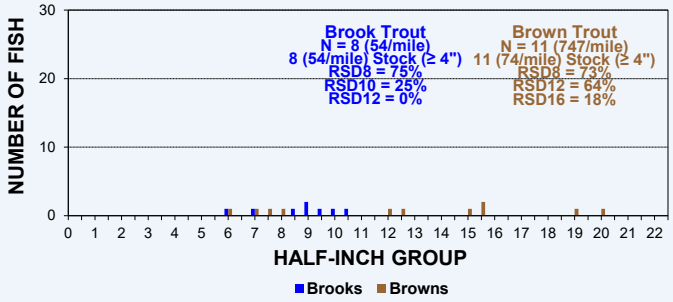
NINEMILE CREEK
UPSTREAM FROM EAST HOLLISTER ROAD - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



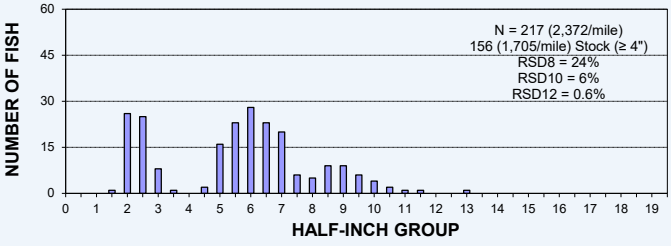
NINEMILE CREEK
DOWNTREAM FROM STH 55 - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES



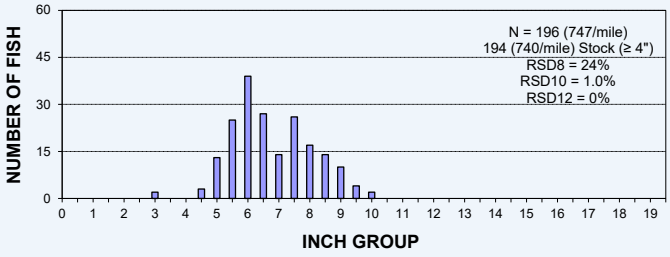
RED RIVER
STH 47 TO PHLOX DAM - 2025
BROOK & BROWN TROUT LENGTH FREQUENCIES

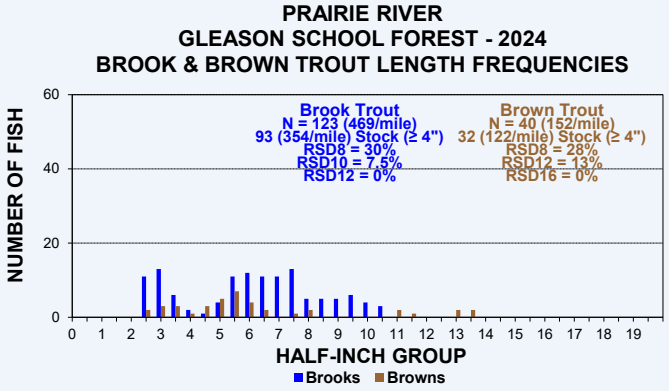


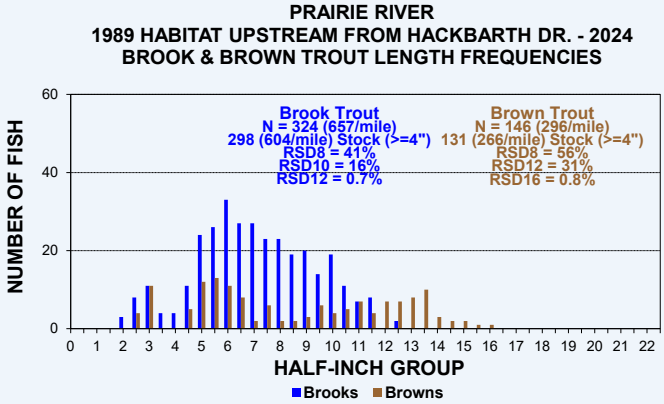
SPRING BROOK
CTH HH TO BROOKSIDE ROAD - 2024
BROOK TROUT LENGTH FREQUENCY

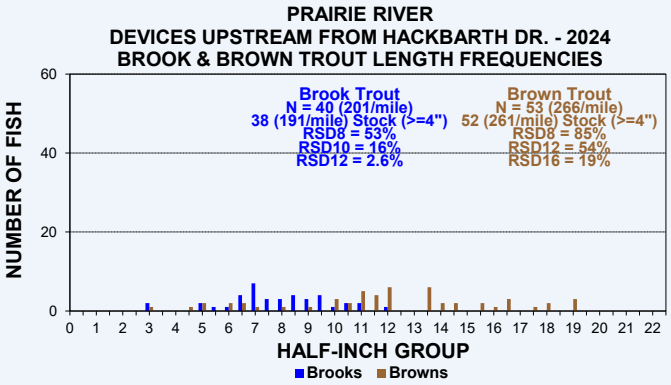


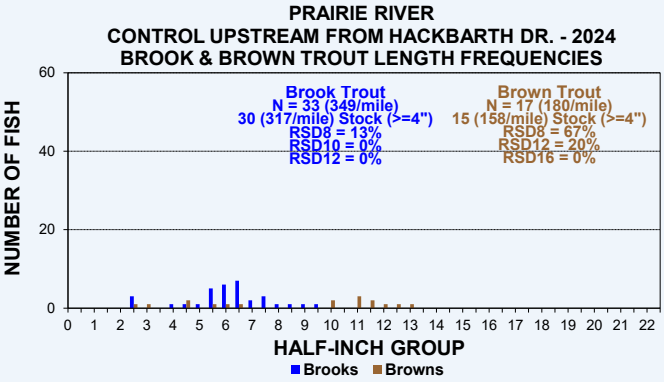
SPRING BROOK
VIRGINIA ST. TO OLD CULVERTS - 2024
BROOK TROUT - TOTAL

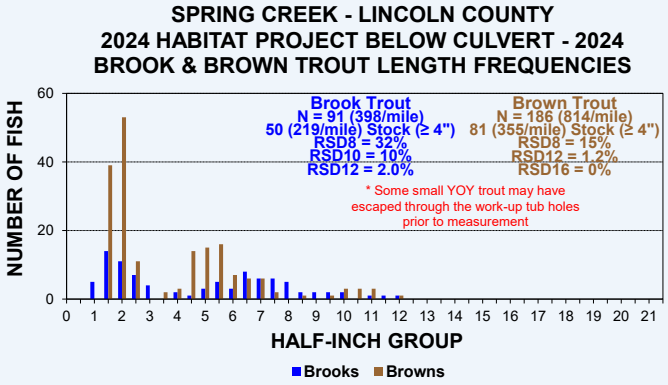



PRAIRIE RIVER
GLEASON SCHOOL FOREST - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES
Brook Trout
N = 123 (469/mile)
93 (354/mile) Stock (≥ 4")
RSD8 = 30%
RSD10 = 7.5%
RSD12 = 0%
Brown Trout
N = 40 (152/mile)
32 (122/mile) Stock (≥ 4")
RSD8 = 28%
RSD12 = 13%
RSD16 = 0%
NUMBER OF FISH
HALF-INCH GROUP
Brooks
Browns


PRAIRIE RIVER
1989 HABITAT UPSTREAM FROM HACKBARTH DR. - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES
Brook Trout
N = 324 (657/mile)
298 (604/mile) Stock (>=4")
RSD8 = 41%
RSD10 = 16%
RSD12 = 0.7%
Brown Trout
N = 146 (296/mile)
131 (266/mile) Stock (>=4")
RSD8 = 56%
RSD12 = 31%
RSD16 = 0.8%
NUMBER OF FISH
HALF-INCH GROUP
Brooks
Browns


PRAIRIE RIVER
DEVICES UPSTREAM FROM HACKBARTH DR. - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES
Brook Trout
N = 40 (201/mile)
38 (191/mile) Stock (>=4")
RSD8 = 53%
RSD10 = 16%
RSD12 = 2.6%
Brown Trout
N = 53 (266/mile)
52 (261/mile) Stock (>=4")
RSD8 = 85%
RSD12 = 54%
RSD16 = 19%
NUMBER OF FISH
HALF-INCH GROUP
Brooks
Browns


PRAIRIE RIVER
CONTROL UPSTREAM FROM HACKBARTH DR. - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES
Brook Trout
N = 33 (349/mile)
30 (317/mile) Stock (>=4")
RSD8 = 13%
RSD10 = 0%
RSD12 = 0%
Brown Trout
N = 17 (180/mile)
15 (158/mile) Stock (>=4")
RSD8 = 67%
RSD12 = 20%
RSD16 = 0%
NUMBER OF FISH
HALF-INCH GROUP
Brooks
Browns


SPRING CREEK - LINCOLN COUNTY
2024 HABITAT PROJECT BELOW CULVERT - 2024
BROOK & BROWN TROUT LENGTH FREQUENCIES
Brook Trout
N = 91 (398/mile)
50 (219/mile) Stock (≥ 4")
RSD8 = 32%
RSD10 = 10%
RSD12 = 2.0%
Brown Trout
N = 186 (814/mile)
81 (355/mile) Stock (≥ 4")
RSD8 = 15%
RSD12 = 1.2%
RSD16 = 0%
* Some small YOY trout may have
escaped through the work-up tub holes
prior to measurement
NUMBER OF FISH
HALF-INCH GROUP
Brooks
Browns