

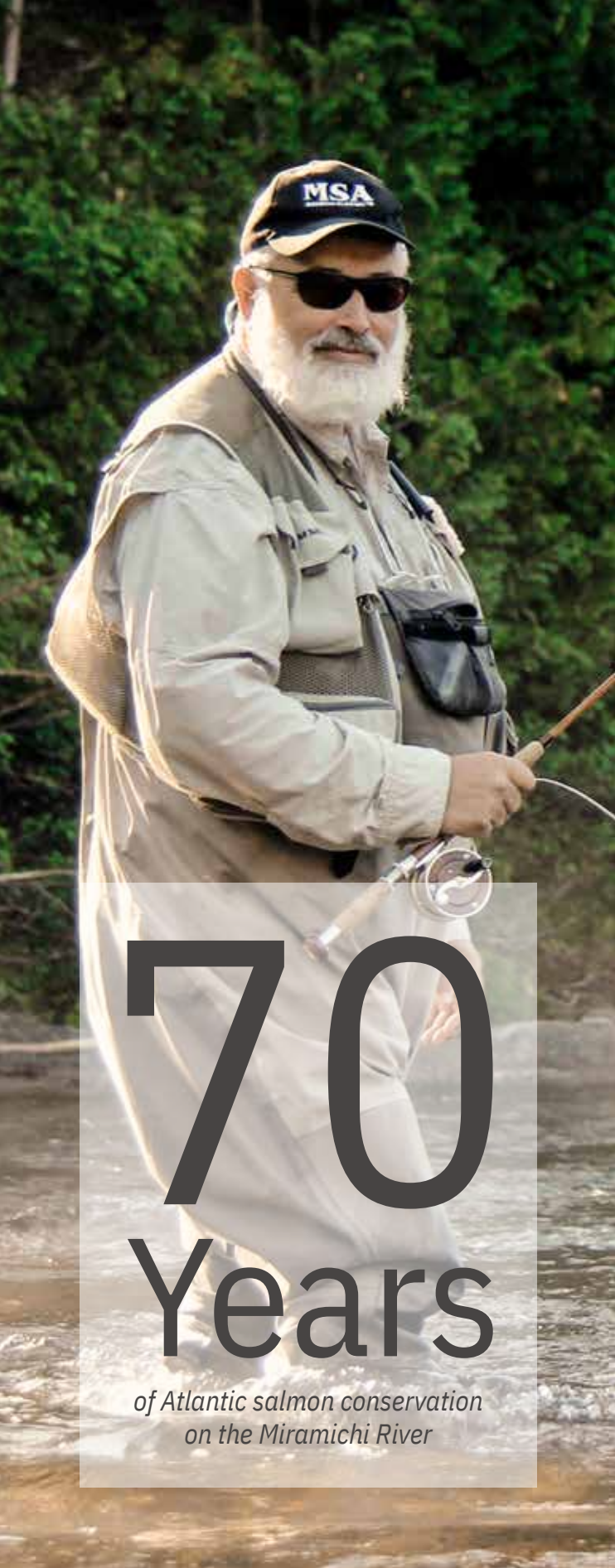
ANNUAL REPORT

2023



**MIRAMICHI SALMON
ASSOCIATION INC.**





70 Years

*of Atlantic salmon conservation
on the Miramichi River*

INTRODUCTION

- 2 *Message from the MSA Chair*
- 3 *Message from the MSA US Chair*
- 4 *President's Report*

CONSERVATION

- 5 *Field Programs*
- 9 *Hatchery Programs*

ADVOCACY

- 11 *River Management*
- 12 *Education*
- 15 *Communications*

FUNDRAISING

- 16 *Events*
- 18 *Campaigns*

FINANCES

- 19 *Finance Update*
- 19 *Investments*

SUPPORTERS

- 22 *Executive*
- 22 *Board of Directors*
- 23 *Staff*
- 23 *Life Members*
- 26 *Annual Members*
- 28 *Partners*

Foreword

The Miramichi Salmon Association (MSA) 2023 Annual Report showcases our work over the last year. In 2023, the Miramichi Salmon Association celebrated a remarkable milestone - our 70th anniversary. Enclosed in this report you will find summaries outlining our 2023 field work, hatchery operations, events, communication projects, and financial activities. Thank you for taking the time to review this document. We hope you will help us in our continued fight to conserve Atlantic salmon on the Miramichi River.

Message from the MSA Chair

As I look back on 2023, I am proud of the work we have done and the progress we made as an organization. We had a highly successful fundraising year and put on some fabulous dinners, events, and auctions, and had the opportunity to honour a number of great people and MSA supporters. I also want to recognize the loss of three great MSA Directors this past year in David Oxley (Honourary) and Peter Howell (MSA US), and Whitney Beals (MSA US), whose efforts will not be forgotten.

Our new Advocacy Committee has enabled us to build a more sustainable advocacy effort as we have re-engaged with a number of important conservation partners including but not limited to the Miramichi Watershed Management Committee (MWMC), Atlantic Salmon Federation (ASF), Government of New Brunswick (GNB), Department of Fisheries and Oceans Canada (DFO), and First Nations. I truly feel this is a critical effort that we need to continue. If we are going to be successful, we need to do a better job working more closely with all these groups and have a stronger collaborative voice versus a fragmented approach that clearly is not producing the results we need. I am very encouraged by the way everyone has come together. Planning for the second Plamu First conference started in late 2023 and is a great example of this type of effort and we are hopeful it will lead the way towards a collaborative action plan to save our beloved Atlantic salmon.

I also want to recognize the great team we have from our board members to committee chairs to the won-

derful staff we have at the MSA. With the departure of our President in mid-2023, staff at the MSA office and hatchery, as well as Butch Dalton, our Interim President, have really stepped up to keep things running smoothly and getting the work done. Thank you to everyone who has been involved over the past year. In keeping with our staff and facilities, we are encouraged about the initial meetings we had with the Province of New Brunswick and others as we look for ways to sustain our hatchery. This is such an important asset for us and the Miramichi watershed and we want to see this facility prosper for another 150 years!

Lastly, I want to emphasize the importance of ecosystem balance and the specific effort and strategy we have in place to lobby DFO in reducing the striped bass population. This is our most important task and it is clear the impact this overpopulation is having on salmon returns as well as other fish species. It is the number one issue we are discussing with our conservation partners and government and our top priority from an advocacy standpoint. We reached out to all our directors, members, and supporters to participate in a letter-writing initiative addressed to the Minister of Fisheries, the Honourable Diane LeBouthillier, so thank you to those who participated, we appreciate your support! Together we can make a difference.



Joe Palmer, MSA Chair

Message from the MSA US Chair

The year 2023 was a very difficult one for salmon throughout Canada. Runs were down on most Gaspé Rivers and many Newfoundland rivers saw their lowest returns in memory. The sea conditions that caused these poor salmon returns were exacerbated in the Miramichi by the continuing, excessive predation of outgoing smolts by striped bass.

That is not to say that the year did not have its bright spots. Despite high water, there were days in June and early July when we had good numbers of salmon showing in the Blackville area. The runs into the lower Cains were also quite good, and with the highly unusual water heights that we experienced off-and-on all summer, salmon were caught all the way to the headwaters much earlier than normal. In the end, while the overall run was down, there seemed to be reasonable numbers of salmon on the spawning grounds. As always, we cannot wait for spring and the beginning of the 2024 salmon season.

MSA US board members now have a solid presence on all the MSA committees, and work with their Canadian counterparts to provide not only hands-on conservation programs, but also advocacy efforts to influence government policies that affect the Miramichi watershed and its salmon. One of the biggest

benefits the US organization can offer is fundraising, both in terms of current conservation work and the creation of a long-term endowment that will help fund the MSA's work in the future. I am proud to say that we are doing well in that regard with giving by our members throughout the year and especially surrounding our Winter Event currently being held in Falmouth, Maine.

Percy Nobbs, one of the founders of Atlantic salmon conservation in Canada once wrote that the spawning gravel of the Miramichi was for all practical purposes unlimited, and that in that regard it stood above all other Canadian salmon rivers. Other biologists have remarked that the Miramichi has the finest Atlantic salmon habitat in the world. I have fished for salmon in Russia, the UK, Iceland, and all the Canadian provinces that hold this fish. There are many great salmon rivers on both sides of the Atlantic, but all things considered, the Miramichi is at or near the very top of the list. Its protection deserves all our best efforts.



Brad Burns, MSA US Chair



MSA Staff conducting cold water pool maintenance

Mission

For seventy years, the MSA and its members have directed their capabilities and their funds to the protection of the entire Miramichi River system. Our mission is exemplary, river-based leadership, stewardship, and conservation practices for the Miramichi watershed to continuously preserve and balance its environmental integrity for the benefit of all native species, particularly the Atlantic salmon.

President's Report

In 2023, the MSA seamlessly transitioned back to hosting a full slate of in-person engagement events and dinners, where our members and supporters welcomed the opportunity to gather and socialize in support of salmon conservation once again. Our exceptional performance in this realm serves as a testament to our collective efforts, exceeding our initial expectations. With the steadfast dedication of our dinner committees, we aim to sustain this positive momentum throughout 2024.

Continuing our mission, the MSA persistently urges the Department of Fisheries and Oceans (DFO) to address the escalating striped bass population in the Miramichi estuary. Recent collaborative research has revealed a stark reality: less than 5% of smolt migrating to sea survive the perilous journey through the estuary. This untenable situation demands action, and we are committed to advocating for solutions alongside our esteemed conservation partners: Anqotum Resource Management, the New Brunswick Salmon Council, the University of New Brunswick, the Atlantic Salmon Federation, and the Miramichi

Watershed Management Committee.

As we embark on the journey into 2024, we have reason for optimism. We await the unveiling of the Wild Atlantic Salmon Conservation Strategy and anticipate associated funding to bolster Atlantic salmon initiatives, akin to the support allocated for Pacific salmon. Additionally, we continue to urge DFO to implement a definitive stocking policy, which will enhance the use and efficacy of our hatchery facility.

I extend heartfelt gratitude to our dedicated directors, members, and supporters. Your unwavering commitment and assistance are integral to our yearly accomplishments. Whether attending fundraising dinners, volunteering your time, or contributing to our conservation endeavors in the field, your steadfast support is deeply valued.



Butch Dalton, MSA Interim President



MSA 70TH ANNIVERSARY
COMMEMORATIVE FLY DESIGN
HOOK: #4-#10 Mustad SL73UBLN-36890
TAG: #12 Uni Flat Silver Tinsel
BUTT: #14 Vemiard Glo-Brite Floss
TAIL: Blue Hackle Fibres
RIBS: Small Silver Uni-French Oval Tinsel
BODY: Blue Diamond Braid Tinsel
COLLAR: Palmered Blue Hackle
WINGS: Gray Fox
HEAD: Black 8/0 Uni-Thread

MIRAMICHI PLATINUM 70

Designed by Ian Cavanaugh
Rocky Brook Fly Shop

Field Programs

Smolt Estimates

During the spring run, the Miramichi Salmon Association conducts smolt population estimates on the Miramichi River. This valuable information helps conservation groups and regulators make important decisions about the management of the Miramichi watershed.

Our annual smolt estimate is conducted using a mark-recapture system. For the last several years, the MSA has assembled two rotary screw traps on the Northwest Miramichi River and one on the Dungarvon River. Applying a 10% mortality rate to our population estimate (using the Bayesian method), it was estimated that 10,840 (95% CI 9,370 - 12,820) smolts migrated from the Northwest River in the spring of 2023. To compare, the 2022 smolt estimate on the Northwest Miramichi was 42,300 (95% CI 36,200 -

39,000). The Dungarvon estimate for 2023 was 9,251 (95% CI 7,391 - 12,320) smolts. To compare, the Dungarvon estimate for 2022 was 7,255 (95% CI 5,650 - 9,475) smolts.

Salmon Protection Barriers

The MSA continued to operate the salmon protection barriers in 2023, located on the Northwest Miramichi River and the Dungarvon River. These barriers protect adult salmon making their way upriver to spawn and the data collected from them is shared with the government and the public. Thank you to our two foreman, Ed Stewart and Paul Norrad, and their teams for their dedicated and hard work ensuring these barriers are run successfully. We continue to work with the NB Department of Natural Resources and Energy Development to keep the barriers operational.



MSA Staff fishing smolt wheels on the Northwest Miramichi River

Cold Water Restoration

Cold water brooks provide critically important habitat for salmon, especially during warm water events. The MSA and other conservation groups work to restore and enhance cold water habitat. Over the last decade, the MSA has led cold water restoration projects at 11 different pools on the Miramichi River.

Each year, the MSA field team revisits all former cold water habitat restoration sites to assess if restorations are still functioning and to conduct necessary maintenance work. Work conducted at these sites in 2023 included removing overgrowth and debris and taking temperature readings. Recorded temperature differences between cold water pools and the main river were significant, between 1.6°C and 7.7°C. Snorkel surveys were also conducted at Indiantown Brook, Burntland Brook, and Black Brook. Fish were found to be present at all 11 sites.

The MSA is continuing to work on a novel cold water restoration program in partnership with Dr. Antóin O’Sullivan, O’Sullivan EcoHydraulics. The aim of this project is to strategically enhance cold water habitats using novel tactics. The project selects sites where restoration will be most impactful for Atlantic salmon. In 2023, Dr. O’Sullivan’s team conducted research for future restoration sites. The next cold water pool restoration will take place in 2024. This project has been funded in large part by the Canada Nature Fund for Aquatic Species at Risk with in-kind support from the University of New Brunswick.

Juvenile Assessment

The MSA conducts an electrofishing program to assess the distribution of juvenile Atlantic salmon in the Miramichi River. This program’s purpose is to scout future stocking sites and evaluate the success of fry stocking and beaver dam management efforts.

This year proved difficult for conducting juvenile assessment due to high water and excessive rain, which meant an increased risk of being shocked while electrofishing. Despite a late start to the program, MSA biologist Lyndsay Jay-Keating and her field crew were able to collect presence-absence data for 28 priority sites.

The MSA also assisted the Department of Fisheries and Oceans Science Branch with their electrofishing program throughout September. DFO conducts surveys to monitor sites as part of a long-term assessment of juvenile salmon populations in the river. Together, the MSA and DFO were able to electrofish an additional 28 sites.

The results from the 56 sites assessed by the MSA and DFO in 2023 continue to underscore the critical impact of our programs, particularly fry stocking, on juvenile salmon numbers in various Miramichi tributaries. Stocked areas from 2023 showed an abundance of fry when they were surveyed weeks later, compared to 2022 and 2021. Some new sites surveyed as potential stocking locations exhibited low fry and parr numbers, suggesting stocking efforts could be increased in these areas.

<i>2023 Cold Water Pool Maintenance</i>		
Restoration Site	Restoration Year	2023 Stream Obstructions
Donnelly Brook	2014	7
Doak Brook	2015	4
Indiantown Brook	2015	0
Otter Brook	2015	9
Pat’s Brook	2015	8
Parks Brook	2016	2
Hudson Brook	2017	0
Salmon Brook	2017	0
Burntland Brook	2018	0
Government Pool	2019	0
Black Brook	2022	0

Broodstock Collection and Spawning

The MSA has been collecting adult broodstock from the Miramichi River for decades to enhance juvenile production in targeted areas that are under-utilized or inaccessible to wild spawning adults. In 2023, broodstock were exclusively gathered from the Southwest Miramichi River. Unfortunately, our traditional Cains River broodstock collection, supported by anglers, could not yield sufficient adults for this year's program. The Southwest Miramichi River supplied 10 females and 5 males, collected at the Juniper bridge with the assistance of New Brunswick Community College students on October 5th. These adults were released after spawning.

Approximately 50,000 first-feeding fry from this program will be stocked into their natal streams in spring/early summer 2024. We had several volunteers assist with our Broodstock Collection and Spawning program in 2023, and we thank those individuals for supporting this critical conservation program.

Once again, the MSA facilitated spawning for Parks Canada and Friends of the Kouchibouguacis and is assisting Pabineau First Nation with over-winter egg incubation at the Miramichi Salmon Conservation Centre. All salmon produced in collaboration with other conservation groups are stocked into their natal waters.



MSA Biologist Lyndsay Jay-Keating seining broodstock salmon

Fry Stocking

In June 2023, the MSA was able to stock 35,000 salmon fry along the Cains River tributaries and 55,000 salmon fry around the Juniper area along the Southwest Miramichi River. These fry were the result of annual broodstock collections in Autumn 2022. Adult fish were brought to the Miramichi Salmon Conser-

vation Centre (MSCC), spawned, and then released, and the eggs were incubated over the winter for release as fry into their natal waters the following spring. We were grateful to have support from three separate groups of volunteers in 2023. Without the help of dedicated volunteers, many of our conservation programs would not be possible.



A dam being notched to temporarily allow salmon access to spawning habitat

Spawning Obstruction Management

Beaver dams are recognized as barriers to adult Atlantic salmon migrating upstream to spawn, hindering access to habitat in the upper reaches of brooks and streams. Improving access to upstream habitat in specific streams could positively impact egg survival and juvenile production.

Beavers can repair active dams within a 24-hour period, which means the breaching of dams must be correctly timed with the upstream migrations of the salmon. The beginning of the season saw high water levels due to rain, offering advantages to salmon that need to swim or jump over in-stream obstructions. As water levels receded later in the season, the MSA field crew was able to successfully notch 48 dams.

Beaver Dam Flow Devices

On November 6th, the MSA installed a beaver dam flow device at a beaver dam on Stewart Brook on the Northwest Miramichi. The site was selected based on considerations for safety, stability, and proximity to the MSCC. This was the third device installed by the MSA to optimize fish movement for spawning while minimizing disturbance to beaver colonies.

The MSA field team conducted juvenile assessments pre-installation in 2023, and plan to conduct a post-installation assessment in 2024. Underwater cameras were installed and angled at the entrance and exit of the flow device and showed the adult salmon successfully using the device.

<i>2023 Dam Management</i>	
Location	Dams Breached
Cains River	1
Brandy Brook	3
Ten Mile Brook	3
Muzeroll Brook	4
Six Mile Brook	2
Middle Sabbies Brook	2
Betts Mills Brook	3
Doak Brook	8
Meadow Brook	2
Ledbetters Brook	1
Salmon Brook	8
Upper Sabbies Brook	1
Elliott Brook	1
Little Teague Brook	2
Near Big Hole Lake	3
Little Southwest River	1
Jacks Lake	1
Tuadook River	1
Big Sevogle River	1

Hatchery Operations

Day-to-Day Operations

The Miramichi Fish Hatchery, located at the Miramichi Salmon Conservation Centre in South Esk just outside Miramichi, consists of five fish-rearing buildings and several storage buildings. Also located at the Centre is the Miramichi Salmon Association main office that supports our staff, along with a fully-furnished apartment to house students and researchers involved with salmon work on the Miramichi River.

The Department of Fisheries and Oceans Conservation and Protection also rents a portion of the head office building for their South Esk home base.

Daily routine care of the salmon at our facility involves feeding and observing fish behaviour, water quality monitoring, anti-fungal treatments, cleaning, maintenance work, and data collection. We have various life stages of Atlantic salmon at our facility throughout the year and each requires specialized care to be kept safe and healthy. We have a wonderful team here at the Miramichi Fish Hatchery, working hard every day to ensure the needs of the fish are met!

The facility has hatchery staff on-site 7 days a week, 365 days a year, and someone on-call 24/7 for any emergencies after hours. Extreme weather events, such as hurricanes, snowstorms, and high winds can knock out power and we have two large industrial generators and two small portable generators to keep water and oxygen flowing for the fish. The hatchery has a lot of equipment to maintain - pumps, towers, filters, piping and valves, hoses, manifolds and flow meters, and multiple alarms set up throughout the facility to monitor oxygen and water levels. When a problem occurs, staff are notified right away and respond no matter the time of day.

Research Programs

The MSCC is a hub for scientists to conduct important research on Atlantic salmon in the Miramichi River. The Miramichi Fish Hatchery is a unique tool that allows fish biologists and aquatic scientists to conduct ground-breaking research projects.

Alex Morgan, a master's student under Dr. Antóin O'Sullivan at the University of New Brunswick, used resources at our facility to conduct a pilot project

in the fall of 2023. He is studying how aerial hyperspectral imagery can be used to detect and identify fish. The hyperspectral imager Alex uses captures hundreds of distinct colors of visible light in a single pixel, compiling a large volume of information pertaining to the light reflected from the fish. The design of the pilot project simulates how a drone can use a hyperspectral imager to detect fish in natural waterways. The images captured by Alex will be analyzed

by comparing the intensity of the different specific colors of light between the varied species and age classes of fish to seek usable trends in the data. The goal of the project is to investigate whether hyperspectral imaging can be used as a method of counting fish by species non-invasively.

Also in 2023, the hatchery continued to support the novel Dungarvon fry stocking program by collecting and growing smolts up to mature adults, spawning the adults, and releasing the subsequent fry back in the Dungarvon River. 2023 was the first year fry were released for this program, and stocking will continue through 2027. Dr. Tommi Linnansaari at the University of New Brunswick leads this program.

Hatchery Tours

In celebration of the 150 years of continuous operation, the MSA reopened the Miramichi Fish Hatchery to public tours in 2023. Tours ran six times per week between June and August, with visitors from close to home and as far as Mexico! We were excited to be able to share the facility's rich history and our important work with everyone who visited.

The MSA would like to extend a special thank you to the NB Regional Development Corporation and the Atlantic Canada Opportunities Agency who helped fund necessary renovations to the Miramichi Fish Hatchery between 2022-23 through the Tourism Relief Fund. These renovations included biosecurity and infrastructure upgrades, ensuring not only the safety of our visitors but also contributing to the well-being of the salmon so that we could reopen for public tours with confidence. Celebrating 150 years in 2023, the Miramichi Fish Hatchery continues to be a critical conservation tool for the Miramichi River through stocking and research.

"The MSCC is a hub for scientists to carry out important research on Atlantic salmon in the Miramichi River."



Celebrating 150 Years

The Miramichi Fish Hatchery located at the Miramichi Salmon Conservation Centre (MSCC) has the distinction of being the oldest continuously operating fish hatchery in Canada. It was constructed in 1873 by the federal government on Stewart Brook, a tributary of the Northwest Miramichi River, located in South Esk, New Brunswick.

The Miramichi Fish Hatchery was established to address a decline in salmon stocks due to loss of habitat by dam construction for log drives and an intense commercial fishery. The facility's aim was to improve the survival rate of salmon from egg fertilization to first-feeding fry, a critical period during the salmon life cycle.

During its early years, the hatchery would purchase live adult Atlantic salmon from commercial trap net fisherman to use as broodstock for spawning and fry stocking. These trap nets were located near the mouth of the fish hatchery brook, in the estuary, or above the head of tide. Fish were trapped live and placed in wooden crates, where they would be towed to the hatchery holding pond.

Transportation was one of the limiting factors in the operation of a fish hatchery in the 1800s. Without motorized vehicles, fish had to be transported in tanks of water by horse and wagon, boat, or train. Being accessible by road and water, and within proximity of the Derby Junction railway, meant the Miramichi Fish Hatchery was ideally located to distribute fry to various sidings along the Southwest Miramichi River.

Celebrating 150 years in 2023, the Miramichi Fish Hatchery continues to be a critical conservation tool for the Miramichi River through stocking and research.

Miramichi
FISH HATCHERY



Celebrating 150 Years of Continuous Operation
Est. 1873

River Management

Warm Water Protocol

The DFO-led Warm Water Protocol Committee met throughout the 2023 angling season to consider protocol guidelines for closing and reopening important cold water pools during the angling season. The Miramichi Salmon Association continued to participate in committee meetings to give input on behalf of stakeholders to help guide decisions about protocols.

The 2023 angling season was unique in that although water temperatures above 20°C had been noted, the near-daily rainfall and high-water levels have kept the river high and fast, and reduced stress on thermoregulating Atlantic salmon. Other factors besides temperature, such as water level, weather forecast, and fish behaviour have played significant roles in Warm Water Protocol Committee discussions this year. In addition to strange weather patterns throughout the season, 2023 was challenging for accessing data, with water data only being shared publicly by Environment and Climate Change Canada toward the end of the season.

Recreational Fisheries

The MSA sits on the Eastern New Brunswick Coastal and Inland Recreational Fisheries Advisory Committee. The committee is led by DFO and provides an opportunity for NGOs like the MSA to offer feedback on management and regulations for recreational fisheries. The committee met in January of 2023. Some of the major agenda items that the MSA continued to push for were river management that reflects scientific evidence, ecosystem balance, more enforcement against poaching, and the return to four fish per day for catch and release. The MSA's position on these topics is consistent with that of other conservation groups.

The Miramichi Salmon Association is particularly

concerned with the need for a multi-species management approach for striped bass and Atlantic salmon. The Miramichi Salmon Association is pleased to see the striped bass population recovering and thriving, but we are concerned about overall ecosystem balance. Despite consistent recommendations, regulations are slow to change for both Atlantic salmon and striped bass. Along with Atlantic salmon, gaspereau, mackerel, smelt, and herring populations are suffering because of the exploding striped bass population.

Wild Atlantic Salmon Conservation Strategy

In 2023, the Department of Fisheries and Oceans Canada released "What We Heard: Engaging on a strategy to restore and rebuild Atlantic salmon". This publication was a response to feedback collected while developing the Wild Atlantic Salmon Conservation Strategy and presented findings from the Let's Talk Atlantic Salmon survey conducted in 2022.

Also included in the publication was a message from the new Minister of Fisheries, Oceans and the Canadian Coast Guard - the Honourable Diane LeBouthillier:

"Recognizing the many perspectives on the conservation of Atlantic salmon, Fisheries and Oceans Canada (DFO) took time to engage with Canadians and seek their thoughts on how best to achieve our goal of maintaining and restoring healthy populations," said Minister LeBouthillier. "Almost 500 individuals and groups have contributed to this process, submitting their comments and participating in bilateral and group discussions."

DFO plans to release the first draft of the Wild Atlantic Salmon Conservation Strategy in 2024.

On July 26th, 2023, the Honourable Diane LeBouthillier was sworn in as the new Minister of Fisheries, Oceans and the Canadian Coast Guard. She was one of several ministers to assume a new position in the cabinet. Minister LeBouthillier, a Liberal MP for the Quebec riding of Gaspésie-Les Îles-de-la-Madeleine, has experience with fisheries, and has spent time living in New Brunswick. With her background, the Miramichi Salmon Association is hopeful that Minister LeBouthillier will be able to address concerns for recreational fisheries at the watershed level.

Science Day

The MSA collaborated with the Miramichi Watershed Management Committee to host our annual “Science Day” on April 18th at the Fredericton Inn, generously sponsored by INTERFOR. The theme for 2023 was “Working Together for the Miramichi: Fostering Collaboration and Partnerships for Ecological Conservation.” The event included presentations from various organizations, including the University of New Brunswick, the Canadian Rivers Institute, and Anqotum Resource Management, among others. Attendees had an opportunity for discussion and questions about the scientific work and research applicable to the Miramichi River. This event was well-attended, providing a valuable opportunity to learn from experts, share knowledge, and promote collaboration for the betterment of Atlantic salmon.

Jack T.H. Fenety Conservation Scholarship

The Jack T.H. Fenety Conservation Scholarship is awarded annually to a graduate student who is conducting meaningful research about wild Atlantic salmon that will have relevance for the Miramichi

watershed.

The 2023 recipient of the Jack T.H. Fenety Scholarship was Elise Collet, who is studying at the University of New Brunswick. This was Elise’s second year being awarded this funding. Her work on thermal river regimes and how salmon thermoregulate will help guide river management during warm water events.

Brian D. Moore Legacy Fund

The Brian D. Moore Legacy Fund is an endowment fund established to encourage the next generation of conservationists. The fund offers annual support for a project to be conducted by a Miramichi Salmon Association summer student.

In April, the MSA announced Cole Johnson as the 2023 Brian D. Moore Legacy Fund recipient. Cole’s project under the Brian D. Moore Legacy Fund included producing videos for enhanced communication and education about the Miramichi Salmon Conservation Centre, which celebrated its 150th year of operation in 2023.

MSA Wild Salmon Grant

The MSA Wild Salmon Grant was established in 2023, in partnership with St. Thomas University. Generously funded by J.W. Bud Bird, this \$105,000 endowment will support an annual grant of \$5000 to an Indigenous undergraduate student.

“During his career, Bud Bird has been an entrepreneur, elected representative, and conservationist, and is respected for his dedication to his province. His gift to STU will create new opportunities for our Indigenous students to complement their class learning with experiential learning and public engagement. Bud Bird has been a long-time supporter of STU, and we are pleased to work with him to benefit students,” said Dr. Kim Fenwick, Acting President and Vice-Chancellor of St. Thomas University.

This opportunity targets students in their second, third, or fourth year of study, encouraging them to integrate traditional Indigenous knowledge into their academic work, especially concerning river and natural space conservation. Projects may involve collecting elder stories, focusing on the Wabanaki language, creating various forms of art, or engaging in research-creation. The MSA would like to thank Mr. Bird for providing the necessary funding to initiate this important scholarship.

Bruno Bobak Memorial Art Contest
1st Place Winner, submitted by *Tori Vassallo*



Art and Writing Contest

For over 50 years, a focused part of MSA education has been engaging the future generation of conservationists through school art and writing programs that promote river and salmon conservation and advocacy. The MSA would like to thank all schools who participated in our 2023 Bruno Bobak Memorial Art Contest and our writing and printing contests. Grade six student Tori Vassallo from Max Aiken Academy was selected as our overall winner and awarded a framed Kim Stubbs art print.

First Cast

The MSA's 11th Annual First Cast took place over the weekend of June 24th and 25th, coordinated by MSA Director Paul Valeri. This two-day educational program teaches children and adults the joys of fly fishing. The first day included classroom instruction, graciously hosted at the Atlantic Salmon Museum, followed by a day of fishing in Blackville. Thank you to all the MSA volunteers who came together to make this year's First Cast both fun and enriching.

PowerPlay Young Entrepreneurs

PowerPlay Young Entrepreneurs is a school-based program that equips students with the skills and resources they need to develop products and build their own businesses. In 2023, the Miramichi Salmon Association partnered with PowerPlay Young Entrepreneurs to teach kids from local schools about not-for-profits and community engagement. Students from Blackville School and Gretna Green School designed MSA-branded products for our promotion and fundraising needs.

Along with sourcing merchandise from young entrepreneurs, the Miramichi Salmon Association can connect with youth about our mission, work, and the importance of conservation. On April 19th, the MSA participated in an engagement event hosted by Powerplay Young Entrepreneurs in Fredericton. Just short of 200 people attended this event, including students and educators, giving the MSA a unique opportunity to engage with schools.

We continuously seek innovative ways to involve young people. Our collaboration with Powerplay Young Entrepreneurs is part of our commitment to educating the next generation about the importance of salmon conservation.



Student Outreach

The Miramichi Salmon Association embraces every opportunity to educate the next generation of conservationists. MSA's knowledgeable staff collaborates with schools across the province, facilitating environmental science and river conservation education. In May and early June, the Miramichi Salmon Conservation Centre opened its doors to elementary and middle school students for the Fish Friends program, offering tours of the Miramichi Fish Hatchery. Other

student outreach initiatives from 2023 included participating in STEM Fest 2023 at James M. Hill High School on March 25th; hosting Mount Allison professor Dr. Josh Kurek's GENS4401: Biomonitoring class on August 24th; inviting Sara Lloyd's environmental science class from New Brunswick Community College to join our field team with seining broodstock salmon in Juniper on October 5th; and hosting students from Blackville High School on October 19th to demonstrate salmon spawning.



Students from Gretna Green School learning about salmon smolts



*Brian Smith Memorial Photo Contest
1st Place Winner, Ellen Tramley-Seymour*

The Leaper

The Leaper is the MSA's monthly newsletter and acts as a valuable resource for our members and supporters. In addition to a monthly update from the MSA President, it provides insights into our conservation efforts, details about upcoming events, important notices about the river, and press releases. Highlights from our 2023 run included river reports from MSA US Chair Brad Burns and informative videos on our conservation projects from our 2023 Brian D. Moore Legacy Fund recipient Cole Johnson.

Calendar

Our 2023 MSA calendar was circulated to 900 members and supporters as part of our end-of-season campaign. This year's calendar highlighted the photography of the late Brian Smith (1949-2023). Brian Smith was an award-winning Fredericton-based photographer, graphic designer, and long-time supporter of the Miramichi Salmon Association. In honour of Brian's enduring community spirit and commitment to the Miramichi watershed, we were proud to present a collection of his photographs showcasing the beauty of the Miramichi watershed.

Photo Contest

The MSA Brian Smith Memorial Photo Contest is an opportunity for amateur photographers to show off their best shots of the Miramichi River and its surroundings. This is an annual event that runs from April 15th until October 15th and contest categories include Miramichi People, Angling, Miramichi Scenes, and Kids. We would like to congratulate our 2023 MSA Photo Contest Winners: Ellen Tramley Sey-

mour (1st Place), Troy Adams (2nd Place), Tom Walker (3rd Place), and Shelley Harris-Weir (4th Place). Thank you to Bates Custom Laminating and Framing for generously sponsoring our 2023 prize package.

Miramichi River Stories

Miramichi River Stories is an ongoing video series that features iconic guides, sports, and MSA supporters speaking about their experiences on the Miramichi River. This project is led by MSA Communications Committee Chair Greg Sprague and committee member Dawson Hovey to preserve the heritage and culture of the Miramichi fly-fishing community. Episodes from 2023 featured interviews with Bill McKay, Wes McKay, Donnie Fraser, Renate Bullock, Keith Wilson, Manley Price, Mervin Green, and Larry Sweet.

Public Pools Project

The Miramichi Salmon Association recognizes the importance that public salmon pools and access plays in engaging our current supporters and encouraging newcomers to the sport of salmon fishing. In 2023, the MSA Communications Committee took steps to expand the MSA's list of public salmon pools, and to provide more pertinent details about those pools on our website, including interactive maps, information about parking and trails, pool conditions, and tackle recommendations.

The MSA Communications Committee's Public Pools Project is ongoing. The MSA Communications Committee is continuing to solicit details about known public pools. Anyone able to contribute to this project is encouraged to reach out to the MSA office.

US Winter Event

The MSA kicked off the 2023 event calendar with the MSA US Winter Event on February 4th. The event was co-chaired and hosted by Brad Burns and David Fenderson and supported by a dedicated dinner committee. This was a hybrid event which allowed for virtual attendees to participate in the evening via a Zoom broadcast. The evening was filled with exciting fundraising activities, including a live auction led by auctioneer Gary Tanner, a silent auction, and a paddle raise. Attendees enjoyed a delicious buffet dinner and bid on a range of items, including fishing trips, fishing gear, artwork, and other items of interest.

Curling Bonspiel

In March, MSA Director Manley Price coordinated an engagement event at the Doaktown Arena – the MSA & Outfitters Curling Bonspiel. This was a throwback to an annual event held by the MSA pre-Covid. Teams of four got to participate in a fun evening with lots of door prizes. Attendees also had the opportunity to sign up for a 1-year complimentary MSA membership. Through this event we were able to raise awareness for salmon conservation and increase our membership.

Moncton Boat and Sportsmen Show

MSA staff attended the Moncton Boat and Sportsmen Show between March 24th and 26th to engage with members of the angling community. We had an eye-catching booth and were able to highlight the MSA's 70th anniversary with an informative display. The show was well attended and provided our team

with a wonderful opportunity to showcase all the important work that the MSA is doing.

Spring into the Season Fundraisers

The MSA's Spring into the Season Online Auction and Raffle ran throughout April. Thank you to all our supporters for making both the auction and raffle a success again this year. We would also like to give a special thank you to our auction sponsors, Heritage Management, Ashford Investments, Bingham Law, and Grant Thornton, as well as Grant Brenan and Rocky Bend Camp for donating our raffle fishing trip. Initially, the MSA transitioned to online auctions and raffles to fundraise during the pandemic but continued with these fundraising approaches due to their success in reaching a broader audience. We look forward to continuing our annual online auction and raffles into the future.

Miramichi "70 on 70" Dinner

On April 29th, the MSA held the "70 on 70" Dinner at the Rodd Miramichi. This event celebrated the MSA's 70th anniversary, and the 70th birthday and retirement of long-time MSA president Mark Hambrook. The event was a great tribute to Mark to show our appreciation for all his years of service at the MSA. Our 70th anniversary was a theme we returned to for all our fundraising dinners in 2023, and the "70 on 70" Dinner was a great kick-off to commemorate this important MSA milestone. We had several speakers offer their remarks and congratulations to Mark and the MSA, as well as a video tribute to Mark from his family. We thank everyone who came out to offer their support on this special evening.



Past MSA President J.W. Bud Bird making an address at the MSA "70 on 70" Dinner

Boiestown IceBreaker

On June 3rd, the MSA's IceBreaker dinner returned to the Central New Brunswick Woodmen's Museum. This event was held in conjunction with our Annual General Meeting, which took place earlier in the day at the Upper Miramichi Rural Community Centre. It was great to see such a huge turnout for both the meeting and dinner.

Once again, our IceBreaker was a sold-out event. This is one of our favourite annual events, offering great food and company while fundraising for Atlantic salmon conservation. Thank you to everyone who helped to make this event a resounding success, with special appreciation to our IceBreaker Event Chair Manley Price and MSA Director Grant Ross who worked together to make this dinner go off without a hitch.

Blackville Visitor's Day

To get the word out on the great work that our organization does, the MSA hosted an information session in conjunction with The Rural Community of Miramichi River Valley. On July 16th, MSA members and supporters gathered at the Municipal Park in Blackville for a barbeque, MSA update, and Q&A. Although the weather was uncooperative, we had a good turnout and were able to get some valuable feedback from our constituents. Thank you to everyone who attended and to Curtis Miramichi Outfitters for helping to coordinate this event.

Fredericton Dinner and Auction

The 26th Annual MSA Fredericton Dinner & Auction took place on October 3rd at the Fredericton Inn. This event was organized by the MSA Fredericton Dinner Committee, chaired by Tristan Hovey, and was a resounding success. Over 270 guests joined us to celebrate our dinner honourees, MSA Director Dan Cain and the Cain family, for their long-time dedication to the MSA, Atlantic salmon, and the Miramichi watershed.

The Fredericton dinner is always one of our biggest dinners of the year and this year did not disappoint. A highlight of the evening was the signature live auction, which included fishing trips to Millbrook Lodge, Sutter Salmon Club, and the renowned Rocky Brook Camp. Thanks to the MSA's generous supporters, this event netted over \$120,000 for conservation work on the Miramichi River. The MSA Fredericton Dinner Committee would like to extend a special thank you to all organizers, donors, and event attendees for making the evening such a success.



MSA Biologist Lyndsay Jay-Keating and MSA Interim President Butch Dalton conversing with attendees



"...a special thank you to all organizers, donors, and event attendees..."



MSA Director Stephen Tanning and MSA Interim President Butch Dalton

Saint John Autumn Dinner and Auction

The MSA Saint John Autumn Dinner & Auction took place at the Delta Brunswick Square in Saint John on October 25th. This was another amazing night and was expertly organized by the Saint John Dinner Committee under the guidance of Co-Chairs John C. Fitzpatrick and Gordon Moulard. The MSA was proud to honour world-renowned fly-tier Jerome Molloy for his steadfast support of the MSA and his contribution to the conservation community. The evening featured a lively cocktail hour and silent auction, a delicious buffet dinner, and a live auction which included some top-tier fishing trips. Thank you to ev-

everyone who participated for helping us raise important funds for Miramichi River salmon conservation.

Carleton County Christmas Auction

To end the year, once again the Carleton County Fundraising Committee hosted their annual MSA online Christmas auction. This online fundraiser has become a staple in our event calendar. We would like to thank our auction sponsors, McCain Fertilizer, Mountain View Packers, and McConnell Transport, along with all those who generously donated auction items. This auction is always a wonderful way to close out the year and we enjoy putting it on.



MSA Chair Joe Palmer, MSA Autumn Dinner Honouree Jerome Molloy, and MSA Autumn Dinner Co-Chair Gordon Moulard

Campaigns

End of Season Ask

In early November, the Miramichi Salmon Association conducted its annual End of Season campaign. All current MSA members received an update letter from MSA Interim President, Butch Dalton, along with a complimentary 2024 MSA Calendar. This campaign is a major MSA fundraising initiative, encouraging our supporters to help us close out the year with a year-end donation. The MSA would like to thank everyone who answered our End of Season ask. Your vital support will help us continue critical conservation activities on the Miramichi River in 2024.

Planned Giving

At the Miramichi Salmon Association, we are doing important work that will benefit generations to come. Planned Giving is an ongoing fundraising campaign that allows MSA supporters to donate in a way that lets their legacy and passion for Atlantic salmon conservation live on. Those that include the Miramichi Salmon Association in their financial and estate planning become part of the MSA Trust. Planned gifts can be made to the MSA through will bequests, gifts of stocks or securities, insurance policies, assets, or charitable trusts and annuities.

Financial Update

MSA Finances

The MSA had a successful year of fundraising, bringing in \$401,347 through events and donations, almost doubling our original fundraising budget. The MSA received \$198,695 in government funding, which helps to cover conservation programs, student wages, and improvements to infrastructure. Of that amount, \$25,000 was accessed from the Canada Nature Fund for Aquatic Species at Risk for cold water work on the Miramichi River, and \$74,986 from the Atlantic Canada Opportunities Agency and the NB Regional Development Corporation to make necessary repairs and upgrades to the Miramichi Salmon Conservation Centre, including repairs to the hatchery dam, and the purchase of Combi tanks and egg incubators. These renovations will allow us to continue our ongoing conservation and research work, and facilitated us reopening for hatchery tours in 2023.

The organization through which MSA manages the hatchery, Miramichi Fisheries Management, operates at an annual deficit. However, the MSA recognizes the importance of this facility as a conservation tool and continues to seek revenue-generating opportunities to sustain its operations.

The MSA financial statements were not audited ahead of this publication. The 2023 audit will be completed by Allen, Paquet & Arseneau, LLP. in accordance with Canadian accounting standards.

MSA US Finances

The MSA US financials are independent of the Mi-

ramichi Salmon Association, and the organization makes an annual transfer to the MSA which goes towards our conservation programs. The 2023 MSA US transfer was for \$104,428.42 CAD. These funds directly supported our 2023 field programs including smolt population estimates, fry stocking, cold water restoration, beaver dam notching, and juvenile population assessments through electrofishing.

The MSA US financial statements will be prepared and audited by Gary Plante, CPA.

2023 Consolidated Revenue

Source	Amount
Membership	\$7,860
Fundraising/Donations	\$401,347
Government Grants, etc.	\$156,241
Hatchery Programs	\$42,038
Barrier Contract	\$208,383
Canada Nature Fund	\$25,002
Rental Income	\$46,522
Maintenance Income	\$5,000
Gain on Disposal of Asset	\$2,400
Director's Revenue	\$15,192
MSA US Transfer	\$104,428
Investment Transfer	\$74,282

Investments

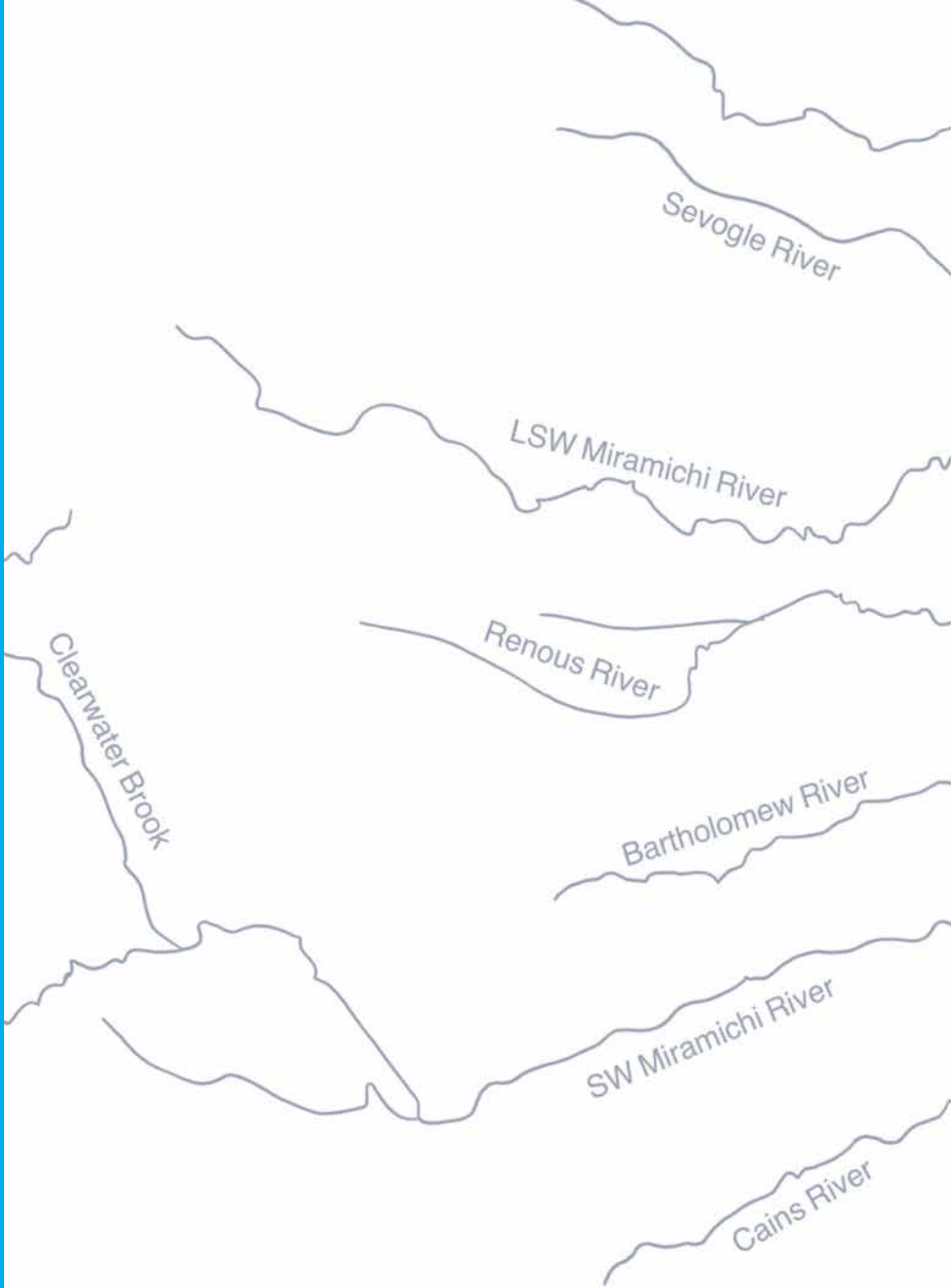
MSA Finances

The Miramichi Salmon Association works with the Mais Reynolds Financial Group on our Canadian investment portfolios. Mais Reynolds, and the larger CIBC Private Wealth group, balance our need to generate revenue to support our organization, and concern for the environment, climate change, and social justice.

A new Endowment fund of \$100,000 was opened in 2023: a generous contribution by J.W. Bud Bird to support the annual Wild Salmon Scholarship of \$5,000 to an Indigenous undergraduate student at

St. Thomas University.

The MSA acknowledges past capital contributions from Bud and Peggy Bird, Bruno Bobak, Samuel E. Burgess, Rex Freeze, Jacqueline Girouard, Kevin Harris, J.D. Irving, the John E. Irving family, the Kaley family, the Laurie Savage family, Denis and Cecile Losier, Doug and Gloria MacDonald, Ernie and Susanne McFadzen, Frank and Julie McKenna, the McQuaid family, Hon. Michael E. Meighen, the Norton family of Upper Oxbow, Punchy Walker, David and Elizabeth Wilson Family Foundation, Scotiabank, and TD Bank Community Relations.





Our History

On October 8th, 1953, a small group of conservation-minded pioneers, who shared a common love for the Miramichi, registered a new organization called the Miramichi Salmon Association, Inc. (MSA). The group, made up of anglers, guides, camp owners, commercial outfitters, and sporting good merchants, drafted a simple mission statement; “the propagation, protection, and perpetuation of the Atlantic salmon in the Miramichi River system”. That fundamental goal still directs the programs and activities of the MSA today.

Through the persuasive voice of Jack Fenety, MSA President for 35 years, intense lobbying efforts were conducted to reduce bag limits on Atlantic salmon anglers, ban salmon angling from bridges, establish the mandatory use of flies only, create closed fishing zones to protect spawning salmon, and ban commercial fishing. The MSA sponsored the reconstruction of the federal salmon hatchery in the early 1980s, under the leadership of President Bud Bird, and took over operations in 1997.

MSA then hired full-time president Mark Hambrook to run the hatchery and start an aggressive campaign to halt the decline of salmon stocks by estimating smolt numbers migrating from the Miramichi River to the ocean, counting juvenile salmon in the river, and targeting low-density areas with salmon fry from the hatchery.

Now under the direction of our Interim President, Butch Dalton, the MSA continues to grow as a leading ‘on-the-river’ conservation organization, whose vision resonates with all its supporters; that our great river and the salmon can be cared for and enhanced so their natural health and abundance can be increased and perpetuated into the future.

Executive

MSA Officers

Butch Dalton, Interim President
Joe Palmer, Chair
Richard McGuigan, Vice Chair
Bradford Burns, Vice Chair
Debbie Norton, Past Chair
Kenneth Kyle, Secretary-Treasurer
Hugh Cameron, Legal Counsel

MSA US Officers

Bradford Burns, President
David Fenderson, Vice President
Gary Plante, Treasurer
Nathaniel Huckle-Bauer, Legal Counsel

MSA Committee Chairs

Dan Cain, Advocacy
Gordon Mouland, Land-use
Greg Sprague, Communications
Joe Palmer, Human Resources
Kevin Harris, Strategic Planning
Laura Gilks, Education
Manley Price, Conservation Planning
Rick Pryde, Finance
Stan Knowles, Membership
Stephen Topping, Nominations
Tristan Hovey, Development

Board of Directors

MSA Directors

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Allan Wilson
Allen Curry
Andrew Willett
Bradford Burns
Brent Locke
Brock Curtis
Chandler Dumaine
Chris Celeste
Chris Smith
Christopher (Kit) Barrow
Christopher Lloyd
Colin (Rip) Cunningham
Dan Cain
Debbie Norton
Deborah Power
Everett Taylor
Gary Tanner
Gordon Mouland
Grant Brenan
Grant Ross
Greg Sprague
Hugh Cameron
Ian Cavanagh
Jacqueline Girouard
James Blackwell
Janice Cormier
Jason Curtis
Jeff Morris
Joe Cairns
Joe Palmer

John C. Fitzpatrick Jr.

John Swan
Joseph Walsh
Kenneth Kyle
Kevin Harris
Laura Gilks
Manley Price
Marc Cabot
Mark Delaney
Mark Hambrook
Mark Holleran
Martyn Vickers
Matt Alexander
Mike O'Blenis
Muriel MacKenzie
Paul Baker
Paul Valeri
Reece Cain
Richard McGuigan
Rick Cunjak
Rick Pryde
Robert Knowles
Stan Knowles
Stephen Topping
Tristan Hovey
Tyler Coughlan
Vincent Swazey
Wayne O'Donnell
William Utley

MSA US Directors

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Alexis Miles
Anthony Boynton
Bob Bonczek
Bradford Burns
Chandler Dumaine
Christopher (Kit) Barrow
Colin (Rip) Cunningham
David Fenderson
David Huntress
Gary Plante
Gary Tanner
James Blackwell
Joe Palmer
John Swan
John Vickery
Joseph Walsh
Kevin Harris
Marc Cabot
Marty Vickers
Patrick Boland
Paul Valeri
Ralph Vitale
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Roger Earle
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Keith Wilson
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Brian Moore
David Oxley
David Wilson
Hadley Ford
Jim Hughson
John Dillon
Ralph Archibald

Staff

Office Staff

Butch Dalton, Interim President
Lyndsay Jay-Keating, Biologist
Gaby Dubois-Giasson, Finance Coordinator
Vanessa McLaughlin, Member/Comm. Coordinator

Hatchery Staff

Holly Labadie, Hatchery Manager
Dylan Hyland, Hatchery Technician
Olabisi Onasanya, Hatchery Technician
Mark Hambrook, Hatchery Specialist
Gilles Chiasson, Maintenance Specialist

Conservation Staff

Mitch O'Donnell, Conservation Technician
Maddox Boucher, Intern Conservation Technician
Alex Swartman, Spawning Obstruction Specialist
Calvin Hubbard, Spawning Obstruction Specialist
Jesse Corcoran, Spawning Obstruction Specialist

Summer Students

Ally Taylor, University of New Brunswick
Caileigh Crocker, Dalhousie University
Cole Johnson, Mount Allison University
David Cassidy, University of New Brunswick
Jansen Blacquier, University of New Brunswick
Lauren Comeau, University of New Brunswick
Sofiya Chuyanova, NB Community College

Barrier Staff

Bradley Smith, Dungarvon Operator
Calvin Hubbard, Northwest Operator
Carol Tozer, Northwest Operator
Christopher Munn, Dungarvon Operator
Ed Stewart, Northwest Foreman
Joe Fowler, Dungarvon Operator
Matthew Sullivan, Northwest Operator
Paul Norrad, Dungarvon Foreman
Ronald Jagoe, Northwest Operator
Terry Flanagan, Dungarvon Operator

Life Members

Life

A. Scott Fraser	Anne Oxley	Brad Toole	Catharine Barrow
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Alan Graham	Anthony Boynton	Brian Cunningham	Cecile Mallais-Losier
Albert Putnam III	Arne Youngberg	Brian Fitzpatrick	Cellvyn Harris
Albert Vogt	Arnold Alward	Brian Fox	Chandler Dumaine
Aldea Landry	Arthur Irving	Brian Green	Chantal Arsenault
Alex Bobak	Arthur Lee-White	Brian Johnson	Charles Cartmill
Alex Mills	Arunas Pleckaitis	Brian Ritchie	Charles Grine
Alexander Hindmarsh	Axel Lerche	Brian Snow	Charles Harriman
Alexander Steeves	Barbara Hambrook	Brian Thompson	Charles LeBlanc
Allan Wilson	Barry Kyle	Brock Curtis	Charles Munn
Allen Moore	Bart Miller	Bruce Bauman	Charles Ward
Allison McCain	Beaver Brokerage Inc.	Bruce Bezanson	Charles Wiesner
Allister Cummings	Ben Kaley	Bruce Elliot	Charles Wood
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Andrew Clarke	Benjamin Thornton	Bruce Sinclair	Chris Jensen
Andrew Goode	Betty Fitzpatrick	Bryan Burgess	Chris Smith
Andrew Harrington	Betty Ward	Byron Coughlan	Christian Michaud
Andrew McCain	Beverly Dillon	C. Allan McGathey	Christina Molt
Andrew Page	Bill Barrett	C.D. Bruce	Christopher Arnold
Andrew St. Pierre	Bill Dreyer	C.H. Anthony Little	Christopher Barrow
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Anne Barrow	Bill Powers	Carol Houser	Ciaran & Hilary Baker
Anne MacBeath	Bill Westaway	Caroline St. Pierre Taylor	Clarke Payne
Anne MacLennan	Bob Allain	Carolyn Arnold	Clay Davis
	Bobby Norton	Carroll Denham	Clearwater Fishing Club

Clifford McAvity	Donald Walker	Glendon Abbott	James Irving
Colin Cunningham	Doug Urquhart	Glenn Beaumont	James Izzard
Colin Cunningham II	Douglas Crane	Gordon Mouland	James Kelly
Dale Knox	Douglas MacDonald	Graham Starratt	James Ladd
Dale Mallais	Douglas Morehouse	Grant Parr	James Lawley
Dale Norton	Douglas Walmsley	Grant Ross	James McQuaid
Dale Thibodeau	Douglas Woollings	Greg Hartz	James Mumford
Dale Weldon	Duncan MacKinlay	Greg Munn	James Rossbach
Damon Black	E.B. Bert Berkley	Greg Sprague	James Steeves
Dan Cain	E. Fraser Sherrard	Gregg Gorham	James Stewart
Dan Morrison	Earl Brewer	Gregory Petrini	James York
Daniel Bullock	Ed Barrett	Gregory Thornton	James (Doug) Charters
Daniel Pettit	Ed Morrison	Guy French	Jamie Leblanc
Daniel Porter	Ed Rotticci	Hadley Ford	Janet MacLaren
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Darin Lenihan	Edward McNally	Hans Olsen	Janice Hashey
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David Balmain	Elizabeth Wilson	Hoagy Carmichael	Jeff Potter
David Bewick	Ellen Bishop	Hollie Matchett	Jeffrey Roy
David Cole	Emily Newell	Howard Ludington	Jeffrey Williamson
David Cox	Eric Hicks	Howard Rossbach	Jenny Reid
David Creighton	Eric Hildebrand	Hugh Cameron	Jerome Farnsworth
David Crosby	Eric Roberts	Hugh Flemming	Jerome Molloy
David Hashey	Erick Anderson	Hunter Hallowell	Jerry Doak
David Hawkins	Ernie McFadzen	Hymie Surkis	Jim Hatheway
David Hay	Errol Amos	Ian Cavanagh	Jim Pryde
David Hildebrand	Everett Taylor	Ian Gilchrist	Jim Truelove
David Innes	Faith Matchett	Ian Hatheway	Jim Walker
David Mann	Fernand Girouard	Ian Oliver	Jim Yerxa
David Matchett	Francesco Princiotta	Ian Stead	Jo-Anne Linton
David Riley	Francois Emond	Irene McCardle	Joe Blaze
David Sawler	Frank Harrington	Isabelle Loughhead	Joe Cairns
David Stevenson	Frank & Julie McKenna	J. Carl Graybill Jr.	Joe Palmer
David Wade	Frederick Pape	J. Charles Caty	John Anderson
David Wilson	G. Dale Fox	J. David O'Keefe	John Anderson II
David Duncan Young	Gail Gould	J. David Wimberly	John Buck
Debbie Norton	Garfield Hargrove	J.A. Hughson	John Castellani
Deborah Power	Gary Anderson	J.S. Fiske	John Cleghorn
Dede Bullock	Gary Bruce	J.W. Bud Bird	John Cole
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Dennis Hepburn	Gary Spicer	Jack Northrup	John Fraser
Dennis Oland	Gary Tanner	Jacqueline Girouard	John Gerstmayr
Derek Burchill	Gary H. Stairs	Jacqueline Oland	John Hapgood
Derek Oland	Gayden Curtis	Jacques Dubé	John Hickman
Devin Matchett	George Colter	Jacques Fiechter	John Hogan
Dick Daigle	George Mumford	Jacques Pinet	John Irving
Don Wilson	George Peppin	Jake Allen	John Keddy
Donald Burry	George Watson	James Anderson	John Kileel
Donald Calder	Georges Family Fdn.	James Blackwell	John Lawrence
Donald Doucet	Gianfranco Chiang	James Fargher	John MacFarlane
Donald Forte	Glen Davis	James Henderson	John McNally
Donald MacNeill	Glen Umlah	James Hoffman	John Mossman

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John Pugh	Lucillia Wilson	Paul DeMerchant	Robert William Adams
John Swan	Luke Kyle	Paul Elson	Robin Wilber
John Thorndike	Lyle (Chip) Sutherland	Paul Goobie	Rod Doyle
John Tobin	Mac Fox	Paul Taylor	Roderick Nolan
John Vickery	Malcolm Dunfield	Paul Valeri	Rodney Ouellette
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Jon Eggleston	Marcel Caissie	Peter Graham	Roger Jenkins
Jonathan Larrabee	Margaret Blackwell	Peter Jobe	Ron Jenkins
Jonathan Winthrop	Marion Barrow	Peter Kane	Ron Shannahan
Jordan Green	Mark Coy	Peter Reid	Ronald Cox
Joseph Arsenaault	Mark Delaney	Peter Rodgers	Ronald Stafford
Joseph Perella	Mark Hambrook	Peter Worth	Ross Perry
Joseph Sherer	Mark Holleran	Pierre Nadeau	Ryan Wilson
Joshua Barrett	Mark Watson	R. Allan Hughson	Salar Haven Fishing Club
Julie Kyle	Marshall Field	R. Brian Connell	Sally Wilson
Kalevi Kotkas	Marshall Hoffman	R. Bruce Eddy	Sam Burgess
Karen Brennan	Martha Bullock	R. Edward Lawrence	Sandra Doyle
Karla Gaffney	Martyn Vickers	Ralph Archibald	Sandy Dunnett
Katherine Ellard	Mary Ann Stevens	Ralph Norrad	Sandy A.G. MacDonald
Kathleen Coull	Matthew Harris	Ralph Vitale	Santiago Arbelaez
Kathleen Roszbach	Meg Pryde	Randall Hartlen	Saul Michaud
Keith Sherrard	Mel McGuigan	Randolph Giffin	Scott Langin
Keith Wilson	Melissa McQuaid	Randy Seymour	Scott Robidoux
Ken Dean	Mervin Green	Ray Davidson	Serge Dupuis
Kenneth Kyle	Michael Batza Jr.	Ray Woodill	Shawn Bilerman
Kenneth Wright	Michael Bishop	Renate Bullock	Shepard McKenney
Kensyle Cogswell	Michael Cherry	Rex Garrett	Sophia Northrup
Kent Orlando	Michael Cherwek	Rich Breuner	Stan Knowles
Kerry MacQuarrie	Michael Connors	Richard Berlin	Stephen Coull
Kevin Chapman	Michael Herman	Richard Carpenter	Stephen Hibbard
Kevin Harris	Michael Hughson	Richard Eusanio	Stephen Johnson
Kevin MacDonald	Michael McCormick	Richard McGuigan	Stephen Loring
Kim Sharpe	Michael Meighen	Richard Miller	Stephen McCain
Krista Fenety	Michael Webb	Richard Molt	Stephen O'Brien
L.H. Lockhart	Mike Bishop	Richard Wade	Stephen Palmer
Larry Davidson	Mike Flanagan	Richard Warren	Stephen Thornton
Larry Hunt	Mike O'Blenis	Rick Pryde	Stephen Tinning
Larry Kinden	Muriel MacKenzie	Robert Albee	Stephen Wilson
Larry Phillips	Murray Coulter	Robert Calhoun	Steve Smith
Larry Smith	Myrna Green	Robert Creamer	Steven Burns
Laurence Savage	Nancy Dube	Robert Crosbie	Stuart Cragin
Laurie Carr	Neil DuPlessis	Robert Haines	Sue Moore
Lee Stairs	Nicholas Guitard	Robert Hinckley	Susan Barrow
Leo Johnson	Nola Chiasson	Robert Knowles	Susan Thorp Barrow
Leslie Hull	Norman Fraser	Robert Lauer	Suzanne Irving
Linden Fenety	Owen MacNeil	Robert MacDonald	Suzanne Wonham
Linehan Family Fdn.	Pamela Gerstmayr	Robert McQuaid	Tammy Ross
Lino Celeste	Patricia Payne	Robert Mosher	Ted Reevey
Lisa Haldane	Patricia Price	Robert Pinette	Ted Silver
Lloyd Webb	Patrick Cobler	Robert Reid	Ted Wojtech
Lois Walker	Patrick Gillespie	Robert Richardson	Terrence L.S. Teed
Louis Leger	Patrick Jones	Robert Robb	Terry Wilson
Louis Theriault	Paul Baker	Robert Roy	Thomas Allen

Thomas Doyle
Thomas Evans
Thomas Lekborg
Thomas McKay
Thomas Tierney
Thomas Vander Salm
Thomas Weckman
Timothy Foster
Timothy Lyons
Todd Youmans
Tom MacLaren
Tom Merrick
Tom Vardy
Tony Spares
Travis Dickinson
Trish Ash
Tristan Hovey
Tyler Coughlan
Vince Swazey
Vincent Koehler
Virginia Hibbard
W. Peter Cherry
W. Ross Bingham
Wade Humphreys
Wallace Turnbull
Walter Buchan
Warren Cresswell
Warren Long
Wayne Fowler
Wesley Curtis
Whitehall Investments
William Apold
William Baker
William Barrett
William Bullock
William Claflin
William Comeau
William Haldane
William Heaney
William Henderson

William Hoel
William Knobloch
William McMackin
William Munger
William Pounds
William Stanley
William Utley
William C.D. Fraser

Pledged Life

Chris Celeste
Edmond Cournoyer
Gaby Dubois-Giasson
Hugh Hawley
Jeff Knowles
Kole Renwick
Robert Ahearn
William Kean

Memorial Life

A. Ross (Punchy) Walker
Allen Watts
Anne Harriman
Arthur Mitton
Bruce Howe
Bryant Freeman
Carl Andersen
Carl & Mildred Weiss
Charles Ferree
Charles Norrad
Charles Wade
Charles Winslow Pond
Clarence (Slip) Crauer
David Colter
Donald Curry
Donald Malcolm Neill
Edward Mitton
Edward Seward Stevens
Eldrid D Bailey
Eric LeDrew

Freeman Dunnett
G. Guthrie Conyngham
George Connely
George McAvity
Gerry Cherry
Harold Gumble
Henrick Tønning
Herb Wade
Howard Brown
J. Louis Newell
J.E. MacKay
Jack Walsh
Jacques Page
James Wilber
Jeff McGuigan
Joan Barrett
John Behan
John Dillon
John Newell
John Schultz
John Stevens
John A.G. Page
John L. (Jack) McDowell
John Thomas Camicia
Joseph Cardoza
Joseph Hallihan
Joseph Sherer
Julian Crocker
Kingsbury (Crib) Browne
Lee Hallowell
Lesmere Kirkpatrick
M.D. Stairs
Max Dean
Michael Barrett
Murray Calhoun
Otto Burt
Parker (Banty) Reid
R. Palmer Baker
Ralph Brenan
Reginald Coull

Richard Brace
Richard Cochrane
Richard Rossbach
Richard Seidel
Robert DeVilbiss
Robert Stoddard
Rolf Hofer
Tony Valeri
Victor Mainolfi
W.L. (Rex) Freeze
Warren Duncan
William Belden
William Gumble
William Patterson
William (Willie) Bacso
William M.R. Mapel
Wilmot Kenneth Webb

Corporate Life

Assumption Life
Black Brook Salmon Club
CIBC Wood Gundy
Dean Bar Salmon Club
Eastern Fence Limited
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William Anderson
William Dalton
William Doyle
William Griffin

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Allan Dobson
Austin Sullivan
Claudia Coughlan
Dean Strang
Don MacLean
Elaine Gray
Gerald Robichaud
Jean-Pierre Carrier
John (Al) Arseneault
Lilah MacKenzie
Lyndsay Jay-Keating
Lyona MacKenzie
Marc Lapointe

Norman Stewart
Omer MacKenzie
Phillip Hallman
Ralph Goodwin
Randy MacKenzie
Reggie Coughlan
Stephen Harris
Wilfred Harding

Club

Big Hole Fishing Camp
Hershey Salmon Club
Kenmore Fishing Club
Ledges Inn
Little Forks
Maple Leaf Lodge
Millbrook Fishing Lodge
Miramichi Anglers Ass.
Mir. Country Haven
Mtn. Channel Salmon Cl.
Newfound Outfitting
Oriole Angler's Club
Push and Be Damned Cl.
Reel-Ax Sports Chalets
Rocky Bend Fishing Club

Square Forks Fishing Club
Sutter Salmon Club
Thistle Fishing Club
White Birch Lodge
Wilson's Sporting Camps

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Andrew Eisenhauer
Andrew Frishman
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Ben McNeil
Betsy Vickery
Colin MacFarlane
Dale Akeley
Darren Cameron
David Huntress
Debbie Graul
Debra Addondanza
Devon Foster
Diana Wheelock
Donna Ponte
Dwayne Shaw
Edward Teufel

George Leinbaugh
Glenn Rudberg
Greg Ponte
Hannah Johnston
Hunter Donahue
Isaac Cutler
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James Woods
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Methias Meikle
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Owen Foster
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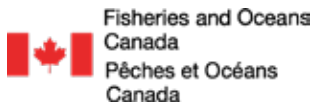
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Atlantic Salmon Federation
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Rivers Institute



MIRAMICHI WATERSHED
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