



# THE CONFLUENCE

Newsletter of the Washington—British Columbia Chapter of the American Fisheries Society

Winter 2020/2021

## Inside this Issue

President's Report	2
WD AGM Preview	3
2020 AFS International Fisheries Section Award	6
Jeff Cederholm Scholarship	7
The Book Nook (Book Review)	8
Education Corner	11
Chapter Information	13

Read about upcoming deadlines and what's shaping up for the 2021 WA-BC Annual General Membership Meeting, "Crossing Boundaries and Navigating Intersections," in this meeting preview edition of *The Confluence*. **Our virtual meeting is on March 1–3, 2021!** This year attendees have the option to view Idaho and Montana Chapter's content for an additional fee.



**"Crossing Boundaries and Navigating Intersections"**  
**2021 WA-BC Chapter Annual Meeting**  
**Hosted Virtually March 1–3, 2021**

Visit our webpage for a countdown to the event! We're all looking forward to a successful, virtual meeting.

## **2021 WA-BC Chapter's Virtual AGM on March 1–3**

More details about the meeting can be found at: [www.wa-bc.fisheries.org/2021Meeting/](http://www.wa-bc.fisheries.org/2021Meeting/).

## **WA-BC Chapter Executive Committee**



### President

Paul Spruell

### President Elect

Alf Haukenes

### Vice President

Jeff Fryer

### Past President

Brittany Jenewein

### Treasurer

Tamara Knudson

### Secretary

Kirsten Gale

### Communications Director

Timothy Taylor

### Student Representative

Caroline Walls

### AFS-BC President

Yangfan Zhang

### AFS-EWU President

Sarah Richardson

## **President's Report**

In late February of 2020 I flew to Denver to attend a two-day workshop focused on using technology in teaching. As amazing as it sounds now, I gave very little thought to boarding a plane or sitting in a room full of maskless participants. The first case of COVID-19 had been reported in the Seattle area in late January, but at that point few of us realized how dramatically this virus would change the way we conduct both our personal and professional lives.

I recall my trip as we are in the last stages of preparing for our 2021 annual meeting, which like most meetings now, will be hosted virtually. Although virtual meetings lack the direct interactions and preclude the chance to have lunch or a cold drink with our old friends, they none the less provide us with an opportunity to remain up to date on current research and engaged with others in our profession. I would like to encourage you to consider attending to take advantage of this opportunity. We have done our utmost to keep registration costs low and in cooperation with our colleagues in Idaho and Montana, we are offering enhanced registration, for a very modest additional fee, you can access content from all three meetings. This structure is not possible for face-to-face meetings, so I guess there are some advantages to the virtual format.

I hope to see you virtually soon and in person in the not-too-distant future.

Paul Spruell  
President, WA-BC AFS

### **Contact for President Paul Spruell**

Email: [pspruell@ewu.edu](mailto:pspruell@ewu.edu) or [afs.wabc@gmail.com](mailto:afs.wabc@gmail.com)

## 2021 WA-BC Annual General Meeting



"Crossing Boundaries and Navigating Intersections"  
2021 WA-BC Chapter Annual Meeting  
Hosted Virtually March 1-3, 2021

### ***Meeting at the Confluence: The Sympatric Coexistence of Indigenous and Western Science in Modern Fisheries***

**Format:** Two plenary speakers (below) and a panel discussion.

**Date:** March 1, 2021

**Time:** 12:00–16:00 PST

### **Biographies**

**Zachary Penney, Ph.D.** Fisheries Science Department Manager | Columbia River Inter-Tribal Fish Commission | Portland, Oregon, United States.

Zach is Nimi'ipuu (Nez Perce) and has extensive experience in fish culture and fisheries science throughout the Pacific Northwest and Alaska. Zach grew up fishing for salmon and steelhead throughout Nimi'ipuu country with his family and began his journey in fisheries science as a high school intern for the Nez Perce Tribe Department of Fisheries Resource Management.

Zach completed a B.S. at Sheldon Jackson College in Sitka, Alaska, where he worked at the campus salmon hatchery during the school year raising pink, chum, coho, and Chinook salmon. During his summers in Sitka, Zach worked for the Sitka Tribe of Alaska at remote sockeye stock assessment projects on West Chichagof and Baranof Islands. Zach completed a M.Sc. at the University of Victoria, where his research involved the use of otolith microchemistry for life history reconstruction and stock identification of sockeye salmon. Following his M.Sc., Zach served as the Project leader for the Nez Perce Tribe's Clearwater Coho Restoration Project (2007-2009) before attending the University of Idaho to pursue a doctorate. Zach's doctoral research investigated the physiological and energetic constraints of repeat-spawning in steelhead trout. Following the completion of his Ph.D., Zach served a one-year legislative fellowship (Knauss Marine Policy) in Washington, D.C. in the Office of Representative Jared Huffman (CA-02), where he staffed the Congressman on a variety of Natural Resource issues.



***Continued on Page 4***

## 2021 WA-BC Annual General Meeting (Continued)

**Andrea Reid, Ph.D.** Assistant Professor | Institute for the Oceans and Fisheries, University of British Columbia | Vancouver, British Columbia, Canada.



Dr. Andrea Reid is a citizen of the Nisga'a Nation and a new Assistant Professor with the University of British Columbia's Institute for the Oceans and Fisheries. She is helping to launch and lead the Centre for Indigenous Fisheries, working to build a national and international hub for the study and protection of culturally significant fish and fisheries. Her research program adopts highly interdisciplinary and applied approaches to improving our understanding of the complex interrelationships between fish, people and place. Reid's PhD in Biology (Governor General's Gold Medal; Carleton University '20) centered on multiple stressor effects on Pacific salmon, using tools and insights from Western and Indigenous sciences in tandem. Reid is a cofounder of Riparia, a Canadian charity that connects diverse young women with science on the water to grow the next generation of water protectors. She is also a National Geographic Explorer and a Fellow of The Explorers Club.

### Registration

Costs to register for the 2021 AGM virtual meeting are as follows:

Member Type	Cost (USD)
National AFS Member	\$50
Non-member AFS	\$60
Students	\$5
Enhanced access (ID and MT meetings)	\$40

*This year we are offering an enhanced registration option (an additional \$40) that will provide you open access to the Idaho and Montana AFS chapter meetings in addition to the WA-BC chapter meeting.*

If you would like access to the *live* meetings beginning March 1st (start of all three chapter meetings), **registration must be completed no later than 17:00 PST, February 26, 2021.** Registrations completed after February 26 will only have access to recorded meeting presentations.

### Call for Abstracts

Abstracts can be [submitted here](#).

*Continued on Page 5*

## **2021 WA-BC Annual General Meeting (Continued)**

The Washington-British Columbia Chapter of the American Fisheries Society invites you to submit your abstracts for the 2021 Annual General Meeting, which will be held virtually March 1–3, 2021. We will coordinate this meeting using *CVENT*, a professional event organizing software. In order to submit abstracts, each user must create an account and follow the instructions provided during this process. The abstract submission deadline is **February 15, 2021**.

**Formatting requirements:** Titles are restricted to 300 characters; abstracts are restricted to 1500 characters.

**Presentation Length:** More information coming soon, but presenters will have 15 minutes total, including time for questions.

**Notes on approach:** Given the uncertainty surrounding internet issues that many of us encounter, we are recommending that authors submit pre-recorded talks (there will be a speaker center through *CVENT Support* that we will be using), so talks will play to ensure high quality distribution. However, a portion of each session will be live for moderated Q&A and panels. Presentations should be submitted 5 days before the meeting.

For additional information or if presenters have difficulty meeting the 5 day deadline, please contact Alf Haukenes ([ahaukenesafs@gmail.com](mailto:ahaukenesafs@gmail.com)).

## **Updates**

Meeting updates will be posted to our website and social media (Facebook, Twitter)—be sure to check them out below!



## **Shop Amazon Smile, Percentage Donated to WA-BC AFS**

The WA-BC Chapter is now linked up with Amazon! If you love to shop on Amazon, please listen up! Through the AmazonSmile program, 0.5% of all your eligible purchases made through the AmazonSmile link will be donated directly to the WA-BC Chapter! This can add up quickly and help our Chapter tremendously! Here's how it works. Just paste this link into your browser and enter AmazonSmile before you shop! <https://smile.amazon.com/ch/61-1534241>.

**amazon**smile  
You shop. Amazon gives.



## **A Glimpse Into the Past - New Findings of Iconic Marine Ecologist Ed Ricketts's Studies on British Columbia Inner Coast Habitats - By Colin Levings**

Most people interested in the nearshore marine ecology of the Pacific Northwest and Alaska have read, and likely own a copy of the classic book *Between Pacific Tides*, written by Ed Ricketts (1897-1948). It was first published in 1939 and is now in its Fifth edition.

I have an indirect connection to Ricketts. In 1962-1963, as a young junior technician working for the International Pacific Halibut Commission, I sailed in Alaska on the *Western Flyer*, the same ship that Ricketts and Steinbeck chartered for a trip to the Sea of Cortez in 1940 (Bailey, 2015). After her resurrection from abandonment and partial sinking near Anacortes, she is now being rebuilt in [Port Townsend](#).

Recently I became interested in Ricketts's work in British Columbia (BC) and found he made several trips to the inner coast of BC, including the Salish Sea and the Inside Passage, along the central and north coast of the Province. Previous papers and books focussed on his 1945 and 1946 trips to the outer coast of Vancouver Island and Haida Gwaii. With a lot of sleuthing in the literature, much searching of museum records, and excellent guidance from colleagues in BC and the U.S., I discovered Ricketts made three trips (1930, 1932 and 1935) to British Columbia before he published *Between Pacific Tides*. I published my findings in a recent article (Levings, 2020).

In the paper I review Ricketts's three collecting trips on the inner coast of BC, in the Strait of Georgia/Canadian Salish Sea and along the Inside Passage to Prince Rupert. I comment on his collection records, published reports and other material and a map of his collection sites is presented. I also consider how much BC material may have been incorporated into Ricketts's narrative in *Between Pacific Tides*, and how his 1930s findings may have influenced his perspective on marine ecosystems, especially how wave action was important in shaping the structure of intertidal communities. Online data bases on Ricketts are maintained by the Hopkins Marine Laboratory of Stanford University that hold a lot of information on his work in BC and reveal a perspective on this pioneering marine ecologist. I provide links to these data in the paper. Though his work was qualitative, and therefore somewhat problematic to use in baseline studies, there may be opportunities to revisit some of his BC sample sites to investigate biodiversity changes.



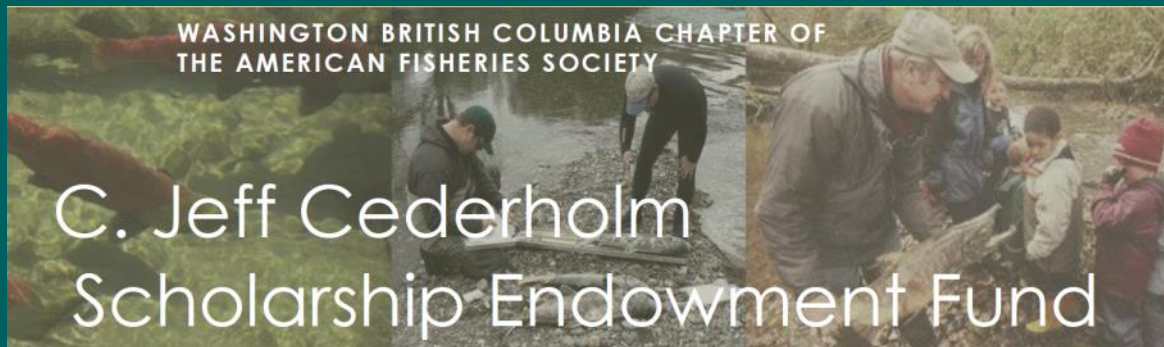
Levings.

Bailey, K M. 2015. *Western Flyer –Steinbeck's Boat, the Sea of Cortez, and the Saga of Pacific Fisheries*. University of Chicago Press.

Levings, C.D. 2020. *Edward Flanders Ricketts and the marine ecology of the inner coast habitats of British Columbia, Canada*. *Archives of Natural History* 47.1: 115–123. DOI: 10.3366/anh.2020.0626



**Photo captions:** Top: image of Jack Calvin's boat, *Grampus*, used in Rickett's 1932 trip from Tacoma, WA to Sitka, AK. Copyright © [Joseph Campbell Foundation](#), used with permission. Bottom: The scenic Grenville Channel—one of many locations travelled by Ed Ricketts. Photo Credit: C.



## Endowment Brief History

Jeff Cederholm dedicated his career to conservation of salmon and aquatic species and their habitats. Jeff passed away in 2006 leaving a legacy of education, pioneering contributions to scientific literature and periodicals and instilling of passion for wild salmon conservation in many people for decades. After a successful American Fisheries Society Meeting hosted by the WA-BC Chapter in Seattle 2011, the Chapter resolved in 2013 to apply raised funds and subsequent contributions to the endowment to create a permanent source of financial support for educational expenses. The Scholarship is administered by the WA-BC Chapter Endowment Committee.



## The Scholarship

The scholarship endowment fund will provide **three \$1000 scholarships in 2021**, one each to an **undergraduate** student (pursuing a bachelor's or associate's degree), a student pursuing a **master's degree**, and a student pursuing a **doctorate**.

The following scholarship criteria apply:

Scholarships are intended for defrayment of educational expenses such as tuition, student fees, lab fees, books, supplies, room and board.

Scholarships will be awarded to students pursuing degrees in fisheries, aquatic sciences, or related fields at an accredited college or university.

Master's and PhD applicants must be Washington-British Columbia Chapter members at the time that their application is submitted.

Undergraduate applicants need not be Chapter members.

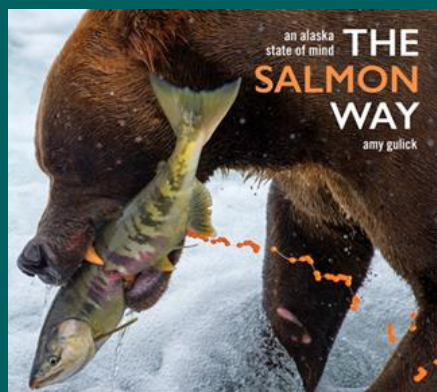
**Deadline February 15, 2021, 17:00 PST!!!**

## How to Apply

Provide a brief cover letter addressed to the C. Jeff Cederholm Scholarship Committee, fill out the application form on our website, acquire two letters of recommendation and e-mail a merged pdf electronic version containing all elements to WA-BC AFS past president, Brittany Jenewein, [btjenewein@gmail.com](mailto:btjenewein@gmail.com) or mail to WA-BC chapter American Fisheries Society, P.O. Box 9322, Spokane, WA 99209. E-mail submissions are preferred.



Orlay Johnson,  
Reviewer



**The Salmon Way: An Alaska  
State of Mind By Amy Gulick.**



Mountaineers Books, Seattle,  
WA

## The Book Nook

### **"The Salmon Way: An Alaska State of Mind"**

Review by Orlay Johnson

Author: Amy Gulick. Pub: Mountaineers Books. Price:  
\$29.95

**Short Review:** From the very beginning you realize this is not your average book on salmon, salmon fishing, or Alaska. It is both an excellent narrative and a magnificent photo study. The author/photographer does a fine job of interweaving the written and visual components of the book. I think what made the book special to me is her ability to express how so many distinct groups of Alaskans rely on salmon, and how – despite enormous differences in culture, background, and technology – all share a profound respect for the fish and for community. While being a fishing "newbie", without having had any prior experience on a fishing boat or with the industry, she somehow weaves together her own experiences with first-hand observations and integrates the history, science, and politics of salmon in a natural and seamless way. Yeah, hard to believe, but read the book.

The book does not ignore or gloss over the difficult issues of managing the salmon resource or conserving salmon populations as climate change and other factors impact them. *The Salmon Way* is a positive story of how Alaskans are working to keep salmon returning to their streams and rivers with the simple concept that what is good for salmon is essential for the "true" Alaskan way of life. I highly recommend this book and commend the author on a job very well done.

#### **Full review – originally also quite short, not so much now:**

*The Salmon Way* is a collection of interviews conducted by Amy Gulick of Alaskans whose salmon-related jobs are broadly representative of every aspect of human endeavor - including fishing, managing fish stocks (ADFW), raising kids in a fishing community, processing salmon, selling salmon, and a myriad of other permutations of human and salmon interactions. While most of the stories are feel good salmon-lovers' stories, it especially emphasizes the importance of science-based and well-funded forecasting & conservation measures by Alaska's Fish & Game Department.

When I first started reading the book, I quickly ended up leafing through it looking at the amazing photos – she is after all, an award-winning photographer and it shows – the book could be a stand alone photographic study, but the text provides an important context. When I started reading the chapters and the stories in each – I was blown away by the excellent writing and the time and effort the author put into understanding and reporting on the adventures and conservation ethic of the people she interviews or more precisely whom she worked with.

*Continued on Page 9*





**Amy Gulick, Nature and Wildlife Photographer, author.**



**Sockeye Salmon tail**  
Photo by Amy Gulick



**Spawning Sockeye Salmon**  
in Nanuktuk Creek, Alaska

## **The Book Nook (Continued from Page 8)**

All the chapters are fun reads, but here are a few excerpts to give you a sense of the stories in the book.

**CHAPTER 1 – THE GIFT** introduces us to the author, how the book is laid out, and to the idea that “Salmon in Alaska” represent the concept of being grateful for something being naturally given (gifted) to you, and a gift in the native tradition, requires you to give back something of equal or greater value. She begins by telling us about the first time she saw migrating salmon while living in Seattle when her husband hustles her outside to see a run going up a nearby stream.

She then describes the ancient philosophy, “The Salmon Way” of many Alaskans that the fish, and all of nature, are not a resource to exploit but a gift to treasure. She says “This gift culture goes beyond just sharing salmon, it includes sharing moose, berries, firwood, laughter, sweat, and tears. This generosity of spirit forges relationships, and relationships create communities – Native and non-Native cultures, and commercial, sport, subsistence, and personal use fishing. Sometimes these communities overlap; sometimes they clash... Whether people fish for their food, for their livelihood, for fun, or all of the above, they are all connected in same way by the salmon.” To Alaskans, she emphasizes that the concept that not only are salmon a gift, but when you are on the receiving end of a gift, you give back. It is the salmon way”.

She ends the chapter with a somewhat prophetic discussion: “Throughout my Alaskan travels I posed the question, “what would your life be like without salmon?” Most people looked at me as if I’d asked them what their lives would be like without oxygen. Their responses were in the same vein: “Without salmon, there would be no community.” She hears over and over, a refrain similar to “This much is clear: a salmon filled future depends on people fighting for the fish rather than fighting over them.”

**CHAPTER 2 – IN PURSUIT** gives us an overview of people who fish, study or just use Alaskan resources in their livelihoods, starting with the fishing family of Sarah and Eric Jordan along with deckhand Cathryn Klusmeier.

The Jordans live in Sitka and fish from the 35’ troller *FV I Gotta*. Eric in 2007 received the Highliner Award from National Fisherman, he has been on the North Pacific Fishery Management Council, the Alaska Board of Fisheries, the Sitka Fish and Game Advisory Committee, and the Alaska Marine Conservation Council.

Eric is not only the first of many fisherman presented in her book but is probably familiar to a lot of our members as he has been interviewed on NPR. He also started a program to train young people to work on fishing boats in 2015 and formed the Crew Apprentice Program (CAP) in 2018. Later that year, he gave a talk and slide show at the Pacific Marine Expo on “Training the Next Generation of Commercial Fishermen”. While WA-BC AFS Chapter didn’t sponsored a table that year, many of us attended his talk and spoke with him afterwards. So, she starts basically with an Alaskan fishing superstar – which I’m sure helped when she asked others if she could be on their boats or share salmon at their homes.

## The Book Nook (Continued from Page 9)

Amy apparently had never even been on a commercial fishing boat, so there was a bit of a risk taking a total 'greenhorn' on their boat. So off she goes, bright and early in the morning with Eric and deck hand Cathryn Klusmeier for her first adventure as a fisher. Needless to say, working on a troller is a wild and dangerous experience, and the adventure is well documented and wonderful to read. As Eric says on that day, the fishing was good and "We are rockin' and rollin'!".

One of the enjoyable aspects of the book is that the author inserts little stories about various Alaskans or endeavors she believes are pertinent to the chapter – there are several in Chapter 2. The first subsection is on Heather Hardcastle, one of the founders of "Taku River Reds" and includes a quote that may sum up the book's message as to what Alaskan's believe: "Whatever is good for the salmon is going to be good for the environment, community, and economy." There is also a great photo of founders of "Taku River Reds" – lots of orange raingear.

The second story is a short summary of Eric Jordan's philosophy of life which includes four items worth noting in this review: 1) be present, 2) be humble, 3) respect the Ocean, and 4) have patience. Points which we all should take to heart – and if you are a teacher, worth passing on to your students.

She includes two more short accounts of how different Alaskan's interact with salmon. "A Matter of Degrees" about Sue Mauger, a stream ecologist and science director with Cook Inletkeeper, a nonprofit working to protect the Cook Inlet watershed. The last is about Teri Rofkar entitled "Priceless" on pages 52-53. Teri is a Alaskan native and a master weaver and basket maker. She points out to the author that the materials she uses are not just "resources" but represent a relationship her people have had for thousands of years both with the mountain goats and with the forest where they harvest the wood for baskets and other uses in a sustainable way.

In **CHAPTER 3 RED FEVER** (page 55) the author travels to Bristol Bay and works with people involved in the Sockeye Salmon fishery as fishers, biologists, fish sellers, geneticists, and salmon counters. First she goes fishing with Nathan Hill, who lives near Naknek on Bristol Bay. This part of the book captures the excitement of opening day as there are hundreds of boats "swarm the line" and only have a few hours to make their catch. This is not a trivial fishery; the Bristol Bay sockeye salmon catch is around 33 million/year and is one half of the total world catch of sockeye.

Amy then tells other stories about a diversity of people who make the Bristol Bay fishery a success. One of those is Travis Ellison who is one of three area managing biologists for Bristol Bay. He discusses how Bristol Bay is a boom or bust fishery and that in Bristol Bay, 80-90% of fish enter the Bay in 20 or so days. You either get the openings right, or you are the person who just let a lot of fish pass by.

Perhaps one of the most interesting interviews is with Hannah Shuman, a 20-year fisheries technician who tallies the number of *O. nerka* on the Naknek R. by standing on a platform above the river – with great views of the fish, as well as the numerous bears eating them nearby. When asked what she's learned from watching thousands and thousands of salmon for hours on end swim past her vantage point she says: "Salmon are the most determined species Earth. They are like computers with hard drives programmed to swim upstream." (page 45).

Other interesting interviews are with Ted Otis and Joe Loboy who study genetic diversity for Alaska Fish and Game in Homer; Melanie Brown, a commercial fisher in Bristol Bay; and Mike Erickson, who started out by selling shrimp caught on his 20-foot aluminum skiff, but today he manages Alaska Glacier Seafood, employing 170 people and processing more than ten million pounds of seafood every year.

**CHAPTER 6 – THE WAY HOME** highlights Michelle Ravenmoon, but also includes short biographies of two other amazing people, the first is Reuben Hastings, a fly fishing guide who grew up on the Nushagak River in New Stoyahok. He returned from college and became one of

*Continued on Page 10*

## The Book Nook (Continued from Page 10)

the first guides in the Bristol Bay Fly Fishing and Guide Academy. The academy, and fly fishing in general, have had a huge impact on effort to support and protect Bristol Bay. His dedication to protecting salmon populations and his love of fly fishing is inspirational. The second is Emma Laukitis, who along with her sister Clare founded the "The Salmon Sisters" an "ocean-inspired clothing company that also offers seafood caught by local Alaska fishermen". They have also just written an award winning book on cooking with native Alaskan seafood. Great read.

However, the story of Michelle Ravenmoon is the main focus of the chapter. Michelle was raised on Lake Iliamna (which by the way is where UW has two summer field stations at Iliamna, Porcupine Island). Reading about Michelle's life and dedication to salmon and fishing are inspirational, but show the seriousness with which native Alaskans have had for thousands of years, respecting and protecting salmon runs.

**CHAPTER 7 - THE WAY FORWARD, LIVING LIKE MY ANCESTORS** is written by Jessica Black, it presents a possible future scenario for salmon and Alaska. Dr. Black is a Gwich'in Athabascan native Alaskan with a doctorate in social sciences. An assistant professor at the University of Alaska, Fairbanks, she is part of a team of researchers from across Alaska and university systems working on a project to support better and more equitable decision-making about salmon.

Her chapter is an excellent summary of the "Gift" concept and outlines ways for Alaskans to move forward while protecting its salmon and other natural wonders for perpetuity. Perhaps Jessica Black's last paragraph best sums up the message of this book:

*"As I watch my daughter and her cousins play running back and forth between the fish-cutting table and the camp kitchens, the sound of their laughter and learning is intoxicating. I am reminded of my childhood, running about camp and helping my grandparents hang fish, and the smell of smoked fish emanating from the fish cache. Generation after generation, we live like our ancestors taught us, loving and representing each other and our homelands through intergenerational lessons. It is the salmon that have brought all together in wellness. Their survival is our survival; their story is our story. We have a moral imperative, as Alaskans, to ensure their continued vibrancy and sustainability into the future."*

**Final Thoughts:** As I've said, this was an excellent read and I highly recommend it. The one thing I did find difficult to resolve was my personal experience with Alaska and her people (which have been more mixed)—Amy's focus is on those who love salmon and feel very strongly that the runs need to be protected so they can continue into perpetuity. However, not all Alaskans and temporary fishing visitors are as conservation-oriented as Amy's Alaskan montage. Many are there only for the money or the opportunity to get a trophy salmon or other fish. They could care less about the future. However, this book is about those who want the best for the fish, Alaska and the future – and in these dark times of changing climates and species decline, that philosophy is something worthwhile to highlight.

**Acknowledgements** – Thanks to J. Myers, J. Thomas, S. Kronheim, and F. Utter for reviews and discussions.

**Biography of Author** - Amy Gulick lives on Whidbey Island, and while little about her biography is available on the web, if you read this book, you can learn about where she grew up and how she first encountered salmon after she and her husband moved to the Seattle area. She is a nature and wildlife photographer and one of the founding Fellows of the International League of Conservation Photographers. In 2001 she published an Internet journal about her three-week photography expedition to the Arctic National Wildlife Refuge. This effort won a Lowell Thomas Travel Journalism Award presented by the Society of American Travel Writers Foundation in 2002. In 2010 she published *Salmon in the Trees: Life in Alaska's Tongass Rainforest* (ISBN 978-1-59485-091-2), a book containing her photographs, along with stories from people who live in the area. The book has been called "a great achievement in environmental photography and ecology."

## Education Corner

### CCFFR | SCL VIRTUAL MEETING, 2021



*Justice, equity, diversity and inclusion in aquatic sciences • Justice, équité, diversité et inclusion dans les sciences aquatiques*

The Canadian Conference for Fisheries Research and The Society of Canadian Limnologists are joining together for a virtual meeting on **February 15–19, 2021**. The 2021 theme is "Justice, Equity, Diversity, and Inclusion in Aquatic Sciences and Management. Interested in submitting an abstract? Registration is open, and details on the conference can be found here: <http://ccffr-scl2021.acadiau.ca/home.html>.

### 39TH ANNUAL SALMON RESTORATION CONFERENCE



The 39th Annual Conference will be held virtually from **April 21–23, 2021**. The conference offers several workshops that are applicable to salmon habitat restoration in Washington and British Columbia. Details on the meeting are online at: <https://www.calsalmon.org/conferences/salmonid-restoration-virtual-conference>.

### ID AND MT CHAPTERS OF AFS



Don't forget about our *enhanced registration*, which gives access to content from both [Idaho](#) and [Montana Chapters](#) of AFS from **March 1–5th, 2021**. Click the links for more information.



Illustrations by Halley Poudon

### AMERICAN FISHERIES SOCIETY

We invite you to attend the 151th Annual Meeting of the American Fisheries Society from **November 6–10, 2021** in Baltimore, Maryland. The past, present, and future of fisheries science will be on display as we bring together professionals from across North America and countries throughout the world under the theme of "Investing in People, Habitat, and Science." Details on meeting can be found at <https://fisheries.org/>.





# FROM CATASTROPHE TO RECOVERY

STORIES OF  
FISHERY  
MANAGEMENT  
SUCCESS



CHARLES C. KRUEGER, WILLIAM W. TAYLOR,  
AND SO JUNG YOUN, EDITORS.

This book provides eyewitness “good news” accounts of true stories of successful fishery management in action that have resulted in bringing fish populations from the brink of extinction to full recovery with viable naturally reproducing, self-sustaining, and productive populations. The text provides incontrovertible evidence that good things can indeed happen with well- thought out and implemented fish management programs, demonstrating that fishery professionals working together with their stakeholders can make a difference in restoring and maintaining fish and their habitats to productive levels.

Contains 22 case histories of fishery management success spanning rivers, lakes, and marine systems. Each account ends with the authors’ reflections of lessons learned that could be applied to other fisheries.

The book will be useful as a college text and invaluable to natural resources researchers, managers, and their allied publics.

*Trout and Char of the World* is available for ordering from the American Fisheries Society book store here: <https://fisheries.org/bookstore/all-titles/professional-and-trade/55080c/>.

## Selected Contents

Lessons Learned from More than One-Hundred Years of Golden Trout Management and Recovery in California

Overcoming Challenges to Native Fish Restoration in a National Park

Chasing an Illusion? Successful Restoration of Okanagan River Sockeye Salmon in a Sea of Uncertainty

Snake River Sockeye Salmon—A Perspective on Twenty-Five Years of Effort to Recover a Population in Central Idaho, USA

Recovery of Willamette River (Oregon, USA) Fish Assemblages: Successes and Remaining Threats

Restoration of Anadromous Sea Lamprey to the Connecticut River and Adjacent Watersheds

Species Salvation: Saving the Owens Pupfish from Extinction

Restoration of Lake Trout in Lake Superior through Interagency Cooperative Management

Back from the Brink: Sustainable Management of the Lake Erie Walleye Fishery

Lake Ontario Deepwater Sculpin Recovery: An Unexpected Outcome of Ecosystem Change

A Long and Participatory Process towards Successful Fishery Management of Gökova Bay, Turkey

Atlantic Striped Bass: An Inter-jurisdictional Fisheries Management Success Story

From Sustainability to Catastrophe to Recovery: The Need for Using an Ecosystem Approach for Responsible Fishery Management



## Washington-British Columbia Chapter of the American Fisheries Society

### Chapter Information

Website: <http://wa-bc.fisheries.org/>

Facebook: <https://www.facebook.com/wabcafs>

Twitter: <https://twitter.com/wabcafs>

Want to join AFS and the WA-BC Chapter? <http://membership.fisheries.org/>

Questions? Suggestions? Contact:

President Paul Spruell at [pspruell@ewu.edu](mailto:pspruell@ewu.edu)

Want to write an article or submit any type of fisheries-relevant information to this newsletter? Contact:

Timothy Taylor at [timothytaylor.afs@gmail.com](mailto:timothytaylor.afs@gmail.com)

The WA-BC Chapter of the American Fisheries Society, which includes members in Washington State and British Columbia, is an organization composed of professional biologists interested in the scientific conservation and enhancement of fish populations and their environment.

The mission of the Chapter is to:

1) advance the conservation and intelligent management of aquatic resources within a context of sound ecological principles,

2) gather and disseminate information pertaining to aquatic science and fisheries management, and

3) promote the educational and technical aspects of the fisheries profession.

In pursuit of our mission, we will strive to equitably represent the views of members, develop opportunities for effective leadership and conservation, and generate the resources necessary to carry out our programs.

The next WA-BC Chapter Annual General Meeting will be held virtually on March 1–3, 2021. <https://wa-bc.fisheries.org/2021-meeting/>



### 2020-2021 Executive Committee of WA-BC Chapter

From left to right: top) Paul Spruell, Alf Haukenes, Jeff Fryer, Brittany Jenewein,  
bottom) Kirstin Gale, Tamara Knudson, Timothy Taylor, and Caroline Walls