New York Chapter American Fisheries Society – Newsletter

Winter 2012

New York Chapter Officers
2012-2013
President: Frank Flack
President-elect: Tony VanDeValk
Past President: Ed Woltmann
Secretary-Treasurer: Scott Jones
Secretary-Treasurer Elect: Scott Schlueter

PUBLICATION STATEMENT

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Newsletter Editor:	Emily Zollweg-Horan eczollwe@gw.dec.state.ny.us

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Editors' Note

Welcome to the Winter 2012 newsletter! Many thanks to all who submitted newsletter items in a timely manner! If you would care to submit something for the Spring newsletter, please email it to me at eczollwe@gw.dec.state.ny.us by March 1, 2013. I'm especially looking for fish stories and student happenings… Also please make sure that Erik (ejlatrem@gw.dec.state.ny.us) has your correct email address in order to ensure uninterrupted delivery of the newsletter!

Emily Zollweg-Horan, Newsletter Editor

President's Corner

Another year has come and gone! With salmon season and our brook trout egg takes concluded it must be close to our annual chapter meeting. But more on that later. I seem to be on a weather kick this year. Let's wish for the best for our brothers and sisters who were affected by hurricane or tropical depression Sandy in downstate NY, New Jersey and Connecticut. The Governor says we will rebuild in an environmentally friendly and sustainable manner. Let's give him all the help we can in achieving that statement.

The planning and arrangements are done and our next Chapter meeting will be Jan 30-Feb 1, 2013. It will be held at the new Hilton Garden Inn in Watertown, NY. The theme will be *Fishing Promotion: Reaching Out to New and Old Anglers Alike.* The featured presenter will be Don Meissner of PBS's Rod and Reel Streamside fame. Other presenters will include print, magazine, tourism boards and government agencies. There will also be an Aquatic Entomology Workshop in conjunction with the meeting on Jan 30. Dr. Neil Ringler, Dr. Stefanie Kroll and Ms. Stephanie Johnson all of SUNY ESF will be emphasizing the insects that are commonly consumed by fish and imitated by fly fishermen and ladies.

A little background on the registration fees for the conference and workshop. For the last five years or so your Chapter EXCOM has been spending down the financial benefits of hosting the Parent Society Annual meeting in Lake Placid. This has kept the fees low or even free for the workshop. Unfortunately, it has been decided that it is now time to try and break even. We firmly believe that the costs are still an extreme bargain for the benefits that one receives on attendance of the events.

I would like to thank everyone especially the EXCOM for all of their help this past year. It has been fun and extremely rewarding and I hope to continue to help the Chapter in some capacity in the future. We will be in good hands with the next President Tony Van De Valk and either Mike Clancy or Tim Mihuc as president elect.

Hope to see everyone in Watertown and one last weather item. Bring your ice fishing gear. There will definitely be a body of water close to Watertown with safe ice!

Merry Christmas and Happy Holidays to One and All!

Frank Flack
NYSDEC R6 Fish Manager
315-785-2263
fmflack@gw.dec.state.ny.us

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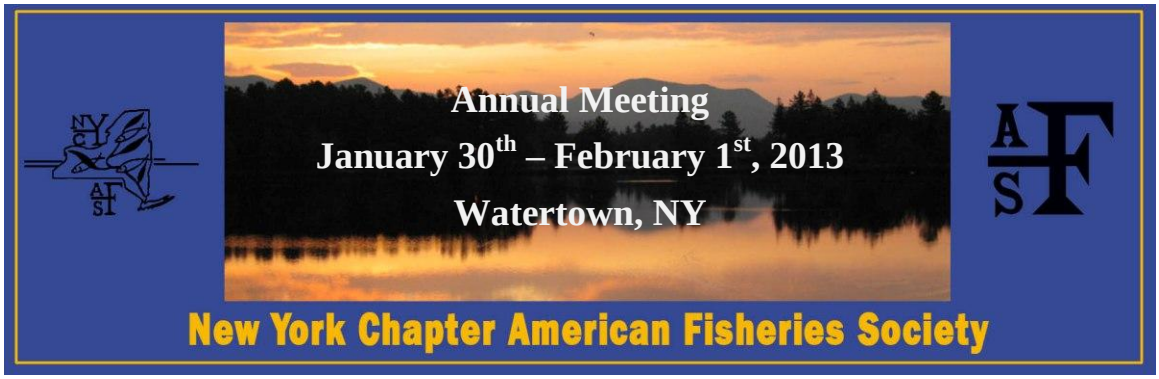
Chapter News



Second Call for Papers

Our next Chapter meeting will be Jan 30-Feb 1, 2013. It will be held at the new Hilton Garden Inn in Watertown, NY. Jefferson County is the fastest growing County in the state. The theme will be *Fishing Promotion: Reaching Out to New and Old Anglers Alike.* The featured presenter will be Don Meissner of PBS's Rod and Reel Streamside fame. Other presenters will include print, magazine, and tourism boards. Join us for presentations from an array of distinguished leaders who will present, describe, and inform members on promoting fishing opportunities and challenges alike within New York State. Not only are the veteran fishermen and women of New York State benefited, but the new anglers will have the opportunity to listen to excellent presenters and possibly learn new techniques to catch some of the many fish in New York.

Please contact Erik Latremore ((315) 785-2293) with questions, or submit an abstract to ejlatrem@gw.dec.state.ny.us following the instructions below:

When submitting your abstract:

- Use a brief, descriptive title and avoid acronyms or scientific names in the title unless the common name is not widely known;
- List all authors, their affiliations, addresses, telephone numbers, and e-mail addresses;
- Provide a summary of your findings and restrict your abstract to 200 words;
- Abstracts must be in Microsoft Word format.

Oral presentations are limited to 20 minutes (15 minutes for presentation plus 5 minutes for speaker introduction and questions). All oral presentations must use PowerPoint format (Office 2007 is the highest version we can support). Abstracts for oral presentations and posters must be received by December 21st, 2012.

Meeting Venue

Rooms have been blocked out for our meeting at the **Hilton Garden Inn** and **Holiday Inn Express** for the Government rate of **$99.00 per night**. Please refer to our meeting NYC AFS 2013 Annual Meeting to reserve your room. The Holiday Inn Express is right next door to the Hilton Garden Inn. The rooms will be released on **January 9, 2013**, so please reserve them before that date.

www.hiltongardeninn.com

Full meeting registration for members will be $125, discounts are available for students, and single day registration is also available. Please visit the ecommerce tab of New York Chapter website to pre-register for the meeting. http://www.newyorkafs.org/eCommerce.html

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Chapter Officer Candidate Biographies

President-Elect Candidates:

Mike Clancy

I have been a fish guy my entire life. After serving in the Marine Corps I started on the road to a career in fisheries at SUNY -Morrisville and then transferred to Delaware State University to finish a BS in Fisheries Science. My on-the-job learning included USFWS internships, a fisheries technician position with DEC- Region 8 and a permanent position as a culturist with the Bath Fish Hatchery. I subsequently transferred to the Hudson River Fisheries Unit and then finally returned to Western New York (DEC -Region 9) as a fisheries biologist. I was promoted to Regional Fisheries Manager for DEC-Region 9 in 2010.

One benefit of holding a variety of fisheries positions has been the wide range of programs that I have participated in; dam removal, species restoration (*paddlefish*, *gilt darter*), catch and release mortality studies, radio telemetry, hydro power and wind power impact assessment. I have worked with many different fish species; all of the NYS sturgeon species, paddlefish, striped bass, river herring *sp*., all of the NYS trout species, muskellunge, walleye, sauger, black bass and many of the darters.

I joined AFS back in the mid-1990s; regularly participating in the NYC-AFS annual meetings and numerous regional and parent society events. I am honored to be considered for the position of President of the New York Chapter of the American Fisheries Society and, if elected, look forward to maintaining the exceptional standards and traditions that this chapter has upheld.

Biographical Sketch of Timothy B. Mihuc

Timothy (Tim) Mihuc has served as the director of the Lake Champlain Research Institute at SUNY-Plattsburgh since 1999. He holds a Ph.D. in Biology from Idaho State University (1994) and a M.S. degree in Zoology from Oklahoma State University (1989) and B.S. in Biology from Oral Roberts University. Tim began his career with an undergraduate independent research project on nutrient limitation of algae in a small eutrophic lake in Oklahoma. He continued his education as an aquatic ecologist through studies on invertebrate life-history ecology in a Colorado alpine wetland (M.S.) and post-fire food web dynamics in Yellowstone National Park streams (Ph.D.). He spent several years at Louisiana State University as a post-doctoral researcher (1994-96) conducting invasive species research in the Atchafalaya River Basin, the largest contiguous hardwood swamp ecosystem in the U.S. From 1996-1999 Tim served as director of the Great Rivers Field Station (Illinois Natural History Survey) where he led a multidisciplinary research team working on the Upper Mississippi River. He has published over 35 research articles including journals such as *Ecology*, *Freshwater Biology*, *Aquatic Sciences*, *Hydrobiologia*, *Journal of Great Lakes Research* and *American Midland Naturalist* and has co-edited the book volume titled "*Lake Champlain: Partnership and research in the new millennium"* published by Kluwer Academic publishers. Tim's professional areas of interest include aquatic food webs, fish population dynamics, ecological integrity and aquatic biodiversity. He enjoys outdoor activities, particularly fly-fishing, skiing, hiking and mountain climbing (preferably combined).

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Chapter Awards

We are closing in on the annual conference in January/February in Watertown and I am pushing a final solicitation for award nominees. Please send a brief synopsis of why your candidate deserves the award you are nominating them for to rabbett@usgs.gov. The final date for accepting nominations is January 4th, 2013.

New York Chapter Awards
The New York Chapter has three award classifications for recognizing our fisheries professionals:

Honorary Member Award
The Honorary Member Award is for significant involvement and accomplishments by an individual to the Chapter or official position (i.e. Guest Speakers). Nominations should include a brief biography and discussion of the significant involvement and contributions towards conservation of fisheries/aquatic resource within the Chapter. The only criterion or the award is that the nominee must be a member in good standing.

Professional Achievement Award
The Professional of the Year Award is awarded to an individual employed in a field related to fisheries and aquatic resources. Nominations for individuals should include a brief biography along with information pertaining to service, impact on the resource and other professional, and significant accomplishments. Eligible accomplishments by the nominee can be in one of the following categories: Leadership and Development, Education, Aquaculture, Management, Research and Technical Support.
• Only members in good standing can make nominations
• The recipient must be a member in good standing
• The award is based on fisheries related work in New York

Conservationist of the Year Award
The Conservationist of the Year Award is for significant involvement and accomplishments by an individual or group not employed in the fisheries or aquatic resources field (i.e. Conservation or Angler Groups). Nominations should include a brief biography and discussion of the significant involvement and contributions towards conservation of fisheries/aquatic resources. The only criterion for the award is that the award is based on fisheries/aquatic resource related work accomplished in New York. It is never too late to nominate our peers for their outstanding work related to fisheries and aquatic resources. Please take some time and think about your peers who deserve recognition.

Dave Bryson Memorial Award
The New York Chapter of the American Fisheries Society established the Dave Bryson Memorial Fisheries Fund in memory of Dave Bryson, ex-chapter President and long-time member. Eligible recipients include any college-bound high school students, college student or young fisheries professional in a fisheries-related program of study or a recent college graduate that has received a degree from a fisheries-related program of study within the past two years. The award is intended to assist the recipient in furthering their education or fisheries-related career aspirations and may be used for travel expenses, equipment purchase, or educational costs (i.e. books).
Please take some time and think about a student or young professional who deserves recognition.

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Website

http://newyorkafs.org//index.html The eCommerce site has been updated and if anyone has issues, concerns, or comments please feel free to have them contact me at ejlatrem@gw.dec.state.ny.us with your questions or suggestions.
Erik Latremore, NYSAFS Webmaster

The New York Chapter of the American Fisheries Society would like to formally invite you to join our new Facebook group to stay informed and communicate with other members. You will be able to view job announcements, current events, or even catch up with good 'ol friends. If you do not have a Facebook account, type www.facebook.com into your web browser and fill out the information under "Sign Up." We have a link from our new website as well under Social Network. Join us soon to stay in the loop and help us help you help our fisheries resources ;-) If you have suggestions and ideas on how to manage or what to post on our Facebook site, we would like to hear them.

Workshop News

Annual Meeting Workshop: Watertown Hilton Garden Inn, January 30, 2013 9:00 am-5:00 pm

Aquatic Entomology Workshop
This 8-hour workshop introduces the life histories, collection methods and identification of aquatic insects in streams and lakes of the Northeast. Special adaptations such as gills, air stores, antennae, setae and other structures will be described and utilized in identification. The workshop emphasizes orders that are particularly consumed by fishes, as well as those commonly imitated by anglers: Ephemeroptera, Odonata, Plecoptera, Hemiptera, Megaloptera/Neuroptera, Trichoptera, Coleoptera and Diptera. A few of the thousands of imitations of aquatic insects will be demonstrated. Each participant will utilize a stereomicroscope to identify a set of known insects, typically to the genus level, utilizing keys and other aids that will be provided. Ideal collecting sites will be identified for future use; and the appropriate literature will be introduced.

Your instructors are Dr. Neil Ringler, Distinguished Teaching Professor, SUNY ESF who has taught this subject at the College since 1987, with previous experience at University of Michigan; Dr. Stefanie Kroll, who has just completed her PhD in aquatic entomology at ESF, comparing the stream fauna in Spain and the Northeast; and Ms. Stephanie Johnson, who is just completing her doctoral dissertation at ESF in studies of aquatic invertebrates as colonists in a highly perturbed ecosystem.

Registration: cost $35, only 40 spaces available, current chapter members have preference, to preregister contact Chris VanMaaren ccvanmaa@gw.dec.state.ny.us

Northeast Division

69th Annual Northeast Fish & Wildlife Conference

Sunday, April 7 - Tuesday, April 9, 2013
Saratoga Hilton Hotel ~ Saratoga Springs, New York

About the Conference

This annual event will attract over 500 **natural resources professionals** in the fields of **wildlife biology, fisheries and fisheries management, information and education and law enforcement**. The event provides opportunities for education, discussion, and exchanging of ideas. Highlights include: workshop sessions, keynote speakers, poster displays, and social networking events.

Call for Presentations

You are invited to share your projects and presentations with the audience at the 69th Annual Northeast Fish and Wildlife Conference taking place on Sunday, April 7 - Tuesday, April 9, 2013 at the Saratoga Hilton Hotel in Saratoga Springs, New York.

Presentations will be made in the following subject areas:

- Wildlife
- Fisheries
- Information & Education
- Law Enforcement

You may submit one of the following formats:

- 20 minute presentation to be combined with other like topics
- Poster display

The deadline for submissions is January 4, 2013. For more information, visit www.neafwa.org/html/call.shtml.

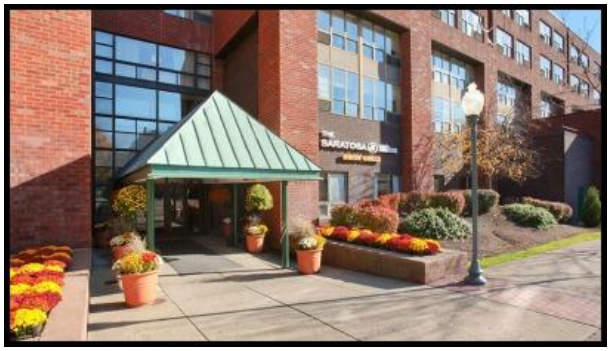
Ready to submit a presentation abstract? Click here to complete the online submission form.

Special Sessions:

If you would like to hold a special session in conjunction with the conference, please contact Gordon Batcheller at grbatche@gw.dec.state.ny.us.

Location & Lodging

The host hotel for the 69th Annual NEAFWA Conference is the Saratoga Hilton Hotel in Saratoga Springs, New York. Overnight accommodations are available for **a discounted group rate** of **$135.00 / night** plus tax. Reservations must be made by March 14, 2013 to receive the discounted group rate!



Please call the hotel directly at 1-888-866-3596 and be sure to mention that you are with the Northeast Fish & Wildlife Conference to receive the group rate.

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DSRRN 2013 Science Meeting

"Diadromous Species Restoration Science 2013:
Migration, Habitat, Species Interactions, and Management"

10-11 January 2013
University of Maine
Wells Conference Center
Orono, Maine

Sponsored by the Diadromous Species Restoration Research Network -
An NSF Research Coordination Network

Early Bird Registration Ends December 20
Draft Agenda is Now Available

The 2013 DSRRN science meeting provides an opportunity for managers, biologists, ecologists, hydrogeologists, and conservation planners to gain insights into the overlaps in their varied approaches to a common goal and to leave with newly forged collaborations and an informed view of the future of diadromous fish restoration science. Keynote speakers will summarize recent work on diadromous species resilience, natural variability in population metrics, and the Penobscot River Restoration Project. Consecutive scientific sessions covering multi-species interactions, movement and migration, and freshwater habitat will feature short research talks and interactive discussions focused on linking research, management, and future research directions.

Featured Session Speakers:
View the full line-up of speakers at
http://www.umaine.edu/searunfish/networkmeetings/2013Meeting.htm

Tim Beechie, NOAA Northwest Fisheries Science Center
"Process-based restoration and implications for habitat conservation and restoration"
Actions that restore watershed and ecosystem processes are most likely to sustain diadromous fish populations in a climate-altered future because they allow river channels and riverine ecosystems to evolve in response to shifting stream flow and temperature regimes.
Roger A. Rulifson, East Carolina University
*"**Historic and contemporary migrations of striped bass in the northwest Atlantic"***
Striped bass populations from Atlantic Canada currently are depressed, and some have been extirpated for many years (e.g., Saint John's, Annapolis, St. Lawrence). Elemental fingerprinting of coastal watersheds may provide a new method for determining the river of origin of adult migrant fish and has the potential of telling us if, and where, adults live for extended periods.
Jaakko Erkinaro, Finnish Game and Fisheries Research Institute
*"**Alternative life histories of Atlantic salmon"***
Defining populations and identifying ecological and life-history characteristics affecting genetic structure is important for understanding species biology and hence, for managing threatened or endangered species or populations.

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Keynote Speakers:

Trevor Avery, Acadia University
"Natural variability in historical river herring catches along the east coast of North America: Local, regional, and global impacts"
Natural variability is omnipresent and can obscure underlying relationships within aquatic systems. Long-term river herring catch data compiled from index stations were analyzed using proportional variability to describe shifts in populations after accounting for natural variability.
Rory Saunders, National Marine Fisheries Service
"Evaluating the ecological effects of the Penobscot River Restoration Project"
Coupled with an extensive ecosystem monitoring program, this project provides an important opportunity for agencies, academia, and the general public to understand the ecological effects of large scale dam removals.
John Waldman, Queens College
"Is resilience theory useful to anadromous fish restoration?"
One promising avenue for restoration is to establish riverine habitat diversity to promote life history diversity as a means to increase population resilience of anadromous fishes.

Registration Information
For more information, keynote speakers, and draft agenda see attached and on-line at
http://www.umaine.edu/searunfish/networkmeetings/2013Meeting.htm

Early Bird Registration Deadline is December 20, 2012.

On-Line Registration
Registration is on-line only at
https://webapp.usm.maine.edu/DCPEOnline/addRegCONFPage1.do?offeringId=100067366

If you have any questions regarding the conference, please contact conference organizers:
Barbara S. Arter: Barbara.S.Arter@umit.maine.edu ph: 207-546-2018
Karen Wilson: kwilson@usm.maine.edu ph: 207-780-5395; 207-228-1674
Website for updated information: www.umaine.edu/searunfish

Conference Fees
Registration costs for all participants are lowered through the generous support of the ***National Science Foundation.***

Early Bird Before December 20
Registration Fee: $75
Student Fee*: $50

Scholarships
A limited number of scholarships are available for those students willing to provide voluntary assistance during the
conference. To request a scholarship, please contact conference organizer, Barbara S. Arter at barbara.s.arter@umit.maine.edu.

HUDSON RIVER
ENVIRONMENTAL SOCIETY

Save the Date!

2013 Hudson River Science Symposium
"The State of Hudson River Science"
State University of New York at New Paltz
Student Union Building
Wednesday April 24, 2013
9:00AM - 5:30PM

It has been more than two decades since the Hudson River Environmental Society (HRES) has held a Hudson River symposium to bring together scientists, natural resource managers, environmental advocates and educators to learn of our current scientific understanding of Hudson River ecology and the environmental quality of its watershed. Much has changed since the first such meeting was held in 1966 when sixty scientists and public officials met in an attempt to gain a common understanding of what is known, what challenges lay ahead, and began to decide how to meet those challenges to better protect the Hudson River estuary. The one thing that has not changed is the need for a common knowledge base.

On April 24th 2013 HRES, working in partnership with the Hudson River Foundation, will be holding a Hudson River Science Symposium at the State University of New York at New Paltz to present our latest scientific understanding of the Hudson River and environments, discuss the drivers behind the science, identify future challenges, and provide an opportunity for scientists, resource managers, educators and students to share ideas. Invited speakers will give presentations on the following themes:

The State of Hudson River Science
Long-term Ecological Changes
Climate change, sea-level rise, and episodic events
Ecosystem Restoration Science
Hudson River Fisheries
Sediment Transport and Deposition
Contaminants: Old and New
Historical Ecology and Anthropology
Meeting the Challenges: Multi-institutional Cooperation

In addition, a contributed poster session and reception will follow the oral presentations. This will provide for a great opportunity to make and renew connections and share ideas.

*Check **www.hres.org** for updates!*

Conference Sponsors and Collaborators

HUDSON RIVER FOUNDATION for Science & Environmental Research
HUDSON RIVER ENVIRONMENTAL SOCIETY
ESTUARY TRAINING PROGRAM Hudson River
Hudson River Estuary

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AFS News

Attention AFS members: We realize that most members cannot attend the Society's annual meetings, where a lot of good science information is communicated. As a partial substitute, AFS is making available podcasts from many of the sessions of the St. Paul annual meeting of last August. To access those podcasts, please go to

http://fisheries.org/afs-2012-meeting-podcasts

Small Impoundment Management in North America

J. Wesley Neal and David W. Willis, editors

451 pages, hardcover, index
Published by the American Fisheries Society
Publication date: November 2012
ISBN: 978-1-934874-34-9
$79.00 list price, $55.30 AFS members
To order: http://afsbooks.org/55069C

This book is an in-depth overview of biota, habitat, and human management in small water bodies up to approximately 40 ha in surface area. Authors were selected to cover the wide geographic diversity of ponds and pond management throughout North America.
The first section (*Introduction and History*) defines small impoundments, provides a concise history of pond management, overviews pond resources in the USA and world, and discusses the importance of small impoundments. Section Two (*Pond Environment*) addresses proper construction considerations, explores the physical and chemical characteristics of these waters, discusses productivity, and examines methods to manipulate environmental conditions in small waters. Section Three (*Fish Management*) describes current stocking practices and species selection, addresses the importance of proper harvest and assessment, and explores mechanisms involved in population dynamics and the occurrence of crowded predator or prey populations. Section Four (*Problem Troubleshooting*) addresses problems that can arise in small impoundments and provides solutions. Section Five (*Opportunities*) provides a platform for topics that previously had received limited treatment in the educational literature. Thorough discussions of fee fishing and community fishing opportunities for small impoundments are provided, as is an overview of careers in private sector pond management and extension/outreach. Finally, the technical aspects of managing small impoundments for wildlife are described in detail.
A primary use for this book will be university classes on pond or small impoundment management for advanced undergraduate or graduate students. Practicing fisheries professionals should also find substantial value in the depth of information provided by the book. Finally, private pond owners will find the book to be useful as they seek to learn more about ponds and pond management.

AFS End-of-Year Book Sale

AFS is offering 92 publications at reduced prices. From now until January 14, 2013, take advantage of our End-of-Year Book Sale and save on selected titles. Complete your science library at dramatically reduced prices – all sale publications are priced from $5.00 to $20.00. No refunds or returns on this special offer. These sale books available through our online bookstore only.
Click on: <http://www.afsbooks.org> www.afsbooks.org

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Renewals:

Your AFS membership expires at the end of the calendar year. Renewing before the end of December will ensure uninterrupted receipt of Fisheries, and optional journals, as well as access to members only site, and online subscriptions.

Just click "renew" link on our website (www.fisheries.org) , or go directly to: secure.fisheries.org

As always, if you have any questions or need additional informati8on, please contact AFS Headquarters at 301-897-8616

AFS Information on the Web http://fisheries.org

Jobs

AFS Job Center Online: http://www.fisheries.org/jobs.shtml http://fisheries.org/jobs.shtml

http://newyorkafs.org//NYCareers.html

BUFFALO NIAGARA RIVERKEEPER®

POSITION TITLE: Restoration Ecologist Program Manager
REPORTS TO: Program Directors and Executive Director
SUPERVISES: Program Staff and Interns
FLSA STATUS: Exempt
APPLICATION DEADLINE: Friday December 14, 2012; 5pm

Position Summary:
Buffalo Niagara Riverkeeper is seeking a full time Restoration Ecologist Program Manager to implement the Niagara Riparian Restoration Program and other Riverkeeper restoration efforts. Specific deliverables include implementing shoreline stabilization projects that demonstrate bioengineering and "living shoreline" techniques. The ideal candidate for the position will be a self-motivated, high-energy person with excellent interpersonal communication skills and direct experience in shoreline restoration projects, including engineering and construction methods using bioengineering techniques. The candidate will be expected to coordinate multiple stakeholders to accomplish project goals. This position is currently funded for 3 years through 2015 with the potential to reapply for funds.

Position Location: Buffalo Niagara Riverkeeper, Buffalo NY

Buffalo Niagara Riverkeeper Summary: Since 1989, Buffalo Niagara Riverkeeper leads the Buffalo Niagara's efforts to safeguard our water for present and future generations. Our mission is to protect the quality and quantity of our water while connecting people to Great Lakes water. For more information, please visit http://bnriverkeeper.org/.

JOB SKILLS AND QUALIFICATIONS:
- Knowledge of applicable laws, permits and guidelines, particularly in regard to NYS DEC permits, Army Corps of Engineers Section 404 permits and NEPA requirements;
- Ability and expertise to work with landscape architects and/or private consultants to develop conceptual plans for shoreline restoration projects using bioengineering techniques;

- Ability to read, comprehend and review designed and engineered drawings for effectiveness relative to potential restoration projects;
- Exceptional verbal communication and technical writing skills;
- Experience with invasive species control and management, especially in forest and riparian buffer habitats (e.g. Japanese knotweed, Phragmites species)
- Knowledge of sediment and erosion control techniques and best management practices;
- Previous construction oversight experience;
- Project Management experience to include: contract administration and management; risk management; project quality assurance and quality control oversight; contract bid, negotiation and procurement; subcontractor management; project budget and scheduling oversight; report writing and submission;
- Must be highly organized, have strong interpersonal skill, be comfortable working in a nonprofit team environment, possess ability to problem solve;
- Ability to work collaboratively with a range of partners including: funders, landowners, engineers, planners, state, federal and local agencies, subcontractors and the public;
- Willingness to act as an advocate for the organization to the community;
- Proficient knowledge of MS Office, especially Excel and Word;
- Passion for water and Great Lakes protection; and
- Ability to work in a cross-functional team environment

MINIMUM REQUIREMENTS:

- BA/BS required, Masters preferred in Civil/Environmental Engineering, Natural Resource Management, Environmental Science, Biology, Ecology, or Landscape Architecture
- 5-7 Years technical experience in design and construction of shoreline stabilization and habitat restoration projects using bioengineering techniques.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Implement riparian forest buffer and shoreline restoration projects. Implementation includes but is not limited to:

- Site and landowner scouting;
- Application of site selection criteria;
- Landowner coordination;
- Community outreach;
- Preliminary site investigations and documentation of site constraints; and
- Frequent coordination and communication with funders such as the Greenway Ecological Steering Committee (GESC) regarding potential sites for implementation.
- Report writing and submission.

As potential sites are identified, the Restoration Ecologist Program Manager will be responsible for working with Riverkeeper's Landscape Architects and/or a team of private consultants to develop a preliminary site concept plan and preliminary implementation budget for presentation to funders. Pending approval and funding of individual sites, the Program Manager will oversee official site survey work, conduct site visits as appropriate and develop all necessary construction documents needed to procure a Request for Quotes (RFQ). The Program Manager will be expected to select a subcontractor to construct the restoration project and oversee the project implementation process from start to finish, including subcontract management. Once a project is implemented on a site, the Program Manager will be expected to conduct an evaluation and report back to the funding agency.

ENVIRONMENTAL AND WORKING CONDITIONS:

An approximately equal amount of time will be spent in the field and in the office. Extensive travel within the Niagara River watershed is required. Some weekend and evening work may be necessary.

PHYSICAL AND MENTAL REQUIREMENTS:

Must be capable of:

- Lifting a minimum of 50 lbs., conducting field work, carrying equipment, and completing other activities in difficult terrain during adverse weather conditions repeatedly;
- Maintaining a high engagement level;
- Performing multi-faceted projects in conjunction with day-to-day activities.

DISCLAIMER:

The information presented indicates the general nature and level of work expected of employees in this classification. It is not designed to contain, or to be interpreted as, a comprehensive inventory of all duties, responsibilities, qualifications and objectives required of employees assigned to this job.

Application Procedure:

- Please email a cover letter and resume/CV as one attachment to Joy Knowlton *jknowlton@bnriverkeeper.org* by **5pm on Friday, December 14, 2012**.
- Initial interviews will occur in the office or via Skype.
- Preferred start date of January 2013.

Salary and Benefits:

Salary range is $50,000-$54,000, commensurate with experience. Benefits include working with other highly motivated and dedicated professionals, a health insurance option, three weeks paid time off, 10 paid holidays and flexibility in the work schedule.

Buffalo Niagara Riverkeeper is an equal opportunity employer and does not discriminate on the basis of race, national origin, religion, color, gender, sexual orientation, age, non-disqualifying physical or mental disability or any other basis covered by law. Employment decisions are based solely on qualifications and business need.

No Phone Calls Please

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The CORNELL UNIVERSITY Biological Field Station At Shackelton Point

900 Shackelton Point Road, Bridgeport NY 13030
Director Lars Rudstam lgr1@cornell.edu
315 633 9243

December 10, 2012

Graduate Student Assistantships at Cornell University
Three PhD and MSc research assistantships in Great Lakes ecology are available in the Department of Natural Resources, Cornell University and the Cornell Biological Field Station (CBFS) at Shackelton Point with starting dates as early as spring 2013. We like to see applications to the Department of Natural Resources, Cornell University, by January 15, 2013. Please contact Dr Lars Rudstam (lgr1@cornell.edu) for more information. Accepted students will be part of a bi-national collaboration among federal, state/provincial and academic institutions in both the US and Canada.

Dynamics of the Deep Chlorophyll Layer (MS/PhD). The depth distribution of algal biomass and production is changing towards more production in deeper waters in Lake Ontario and other Great Lakes. Such changes are associated with increased water clarity and decreased nutrient levels. In addition zooplankton species composition is changing towards deep-water calanoid copepods. However, we do not know how productive this deep algal layer is and to what extent the current zooplankton community utilizes this production. We expect the student to develop a thesis project on the importance of this vertical redistribution of biomass and production to the overall productivity of lower trophic levels in Lake Ontario with possible extensions to other Great Lakes and to comparisons of habitat suitability for alewife and coregonids in the changing Lake Ontario. Field sampling is onboard the EPA and USGS research vessels. Research cruises varies in length and could be up to one month. The student will work with Lars Rudstam, Jim Watkins (Cornell), Brian Weidel (USGS), Glenn Warren and Rick Barbiero at EPA GLNPO and other partners across the Great Lakes basin.

Ecology of mysid shrimps in the Great Lakes (MS/PhD). *Mysis diluviana*, formerly *Mysis relicta*, is an important component of the food web of all the Great Lakes except Lake Erie. In the offshore of Lake Ontario, this species is more important than fish as predators on zooplankton and have recently been found to also be an important benthic predator on amphipods. Mysids migrate from benthic daytime distributions to their nighttime habitat in the open water below the thermocline where they feed on zooplankton and larger algae. Although night time distributions are largely predictable from responses to temperature and light, mysid gut content suggest that the species also feed on epilimnetic zooplankton like Daphnia and Bosmina indicating the importance of behavior at the edge of the distributions of both predator and prey. We are looking for a student with interest in food web interactions and invertebrate predators to develop a thesis project aimed at understanding the coupling between spatial distributions of predators and prey and food web interactions associated with mysid shrimps. Available tools include hydroacoustics, experimental chambers and research platforms for field investigations across the Great Lakes on the EPA and USGS research vessels. Research cruises varies in length and could be up to one month. The student will work with Lars Rudstam, Jim Watkins at

Cornell, Brian Weidel and Dave Warner at USGS, Glenn Warren and Rick Barbiero at EPA GLNPO and other partners across the Great Lakes basin.

Cisco rehabilitation in Lake Ontario (MS). Lake herring or shallow water cisco is the only species in the cisco complex of coregonids left in Lake Ontario and only small populations are known from northern embayments. The student will work with Lars Rudstam, Darran Crabtree (TNC) and other partners from USGS and NYSDEC to investigate barriers to recruitment in Chaumont Bay, Lake Ontario. Initial sampling underway in this TNC funded project is aimed at identifying spawning shoals for lake herring using tagged individuals. Futures plans include egg traps on spawning shoals, larval sampling in the spring, and investigations of timing of predators (alewife, smelt) migrations, zooplankton development and larval hatching and growth rates. We are seeking a student interested in restoration, early life history of fishes, and field sampling. The student should also be ready for the cold temperatures of late fall and early spring on Lake Ontario.

For more information on our program see www.cbfs.dnr.cornell.edu and www.dnr.cornell.edu

Interesting Stuff

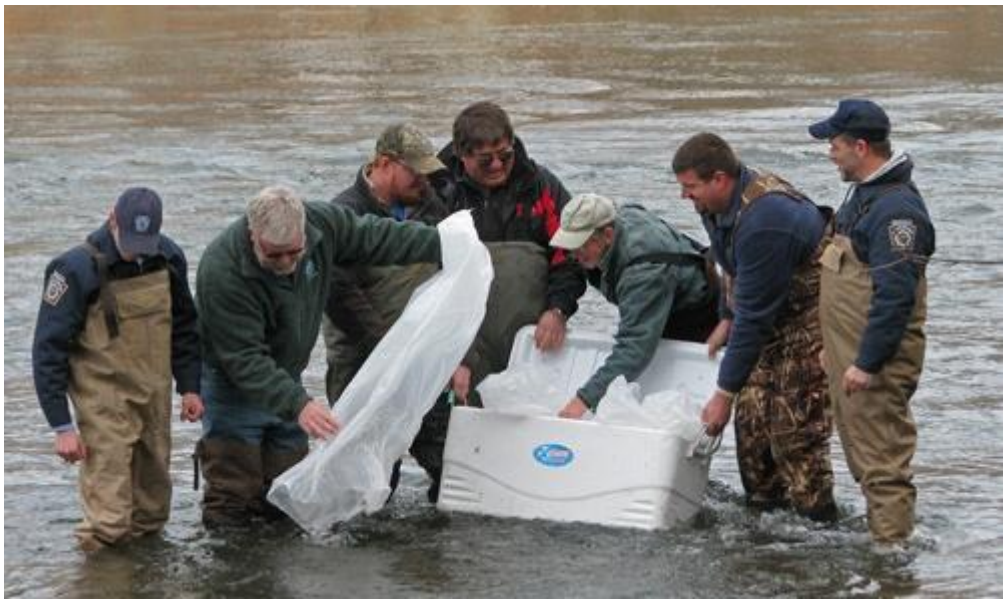
Native Fish News

In November, three stocking events took place in one week that should be of interest.

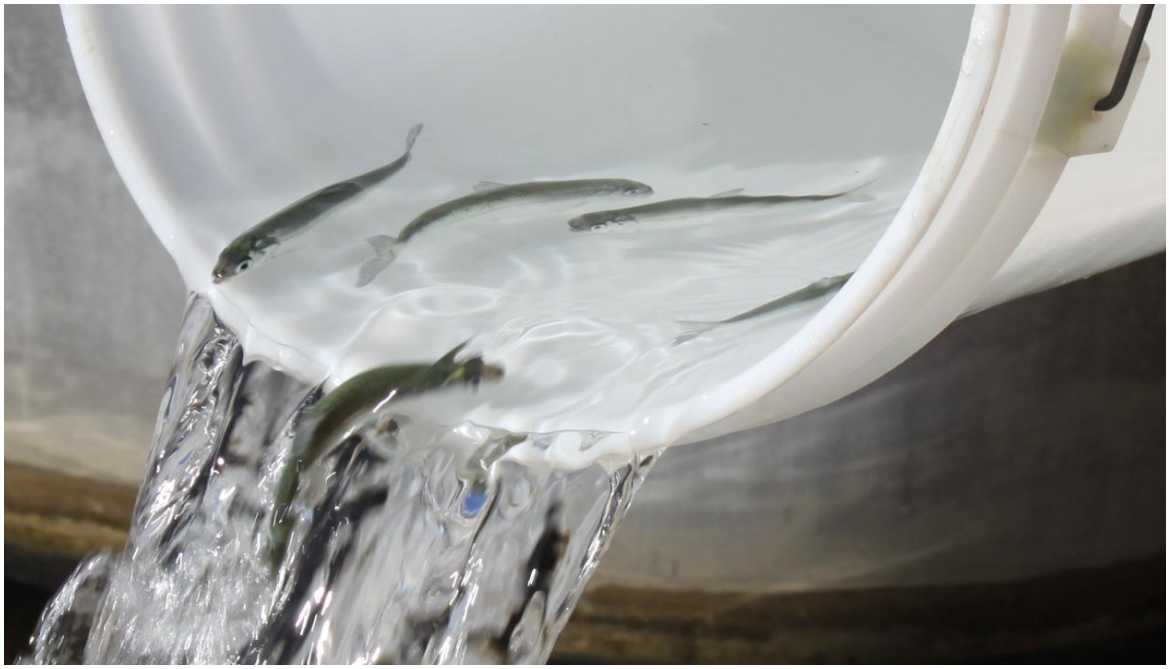
First, approximately 840 lake sturgeon fingerlings were stocked into the Salmon River in Franklin County. These are the first fingerlings to be stocked since 2004 and the advent of VHS in the Great Lakes system. This year's successful stocking is due in large part to some expert assistance from the Genoa National Fish Hatchery in Wisconsin. Eggs taken from the St. Lawrence River at Massena were fertilized and split between DEC's Oneida Hatchery and the National Fish Hatchery at Genoa. There were challenges at both facilities, and none of the fish that hatched at Oneida survived. On Tuesday, Election Day, federal, state, and Mohawk tribal representatives along with children from the Akwesasne Freedom School released these hardy little

sturgeon into their new home. The Fort Covington Dam was removed from the Salmon River in 2009 which has made more riverine habitat available to the 5-6 inch fingerlings. If all goes well, these fish may be reproducing by 2030.

Second, gilt darters were stocked into the Allegheny River, marking their return to New York 75 years after their last known collection. With the cooperation of Pennsylvania Fish and Boat Commission staff, State University of New York at Cobleskill and US Fish and Wildlife Service, about 800 adult gilt darters were collected from the Allegheny River at East Brady, PA at the end of September. Those fish were then held for disease testing at SUNY Cobleskill until they were stocked. About 400 juvenile gilt darters were propagated from captive broodstock held by Conservation Fisheries, Incorporated (CFI) of Tennessee. New York has contracted with CFI to develop reliable captive breeding techniques for this colorful little darter. There was local press coverage of the stocking and DEC staff hope to evaluate the success of this reintroduction over the next few years. Gilt darters are thought to have disappeared from New York due to poor water quality in the 1930s. Cleaner water and a return of suitable habitat make us optimistic that we will have positive results to report.



Third, bloaters, a type of deepwater cisco, have been extirpated from Lake Ontario since the mid-20th century. Re-establishing self-sustaining populations of bloater in Lake Ontario is the focus of a cooperative, international effort between DEC , the Ontario Ministry of Natural Resources (OMNR), the U.S. Fish and Wildlife Service (USFWS),



the U.S. Geological Survey (USGS) and the Great Lakes Fishery Commission, and will require a long-term stocking program. Members of the whitefish family, bloaters feed primarily on invertebrates in water depths from 180 feet to 650 feet, spawning in winter at great depth, and were an important food source for native lake trout and burbot.The juvenile bloaters originated from eggs collected by USFWS staff on Lake Michigan during January and February, 2012. Bloater eggs were hatched and juveniles reared at the USGS Tunison Laboratory of Aquatic Sciences and the OMNR's White Lake Fish Culture Station. Recovery of bloater is a key element of a multi-agency goal to restore native fish populations in Lake Ontario, thereby improving food web stability and mitigating negative impacts of invasive species.

More Sturgeon News

NY Sturgeon For Tomorrow was formed to promote the restoration of sturgeon in New York through public education and participation. We are excited to announce the purchase of a life-size, 7 foot replica sturgeon mount for use in educational displays to capture the awe-inspiring prestige of these magnificent fish. The sturgeon mount was obtained through a very gracious educational grant from the North American Native Fishes Association, through their Gerald C. Corcoran Education Grant Program. The sturgeon mount and accompanying display are intended for use at public education displays, and are now freely available for short-term loan to environmental groups, angler associations, universities, researchers, fish hatcheries, state and federal agencies, public and private schools, local zoos, and other pertinent groups.

If your school or agency has any fish or environmental related displays, educational programs, meetings, or exhibitions we would strongly encourage you to consider borrowing this exhibit for your program. At shows and meetings we have done in the past, this incredible life-size sturgeon mount was found to be an extremely popular display. The replica mount is housed at the Cornell University Biological Field Station in Syracuse, NY, and loans coordinated by Tom Brooking at the contact information listed below. Please feel free to contact us anytime and reserve this great display piece for your next program or show, and forward this announcement to any other parties you think may be interested.

Also, please feel free to visit our website http://www.nysturgeonfortomorrow.org/ or Facebook page http://www.facebook.com/pages/NY-Sturgeon-For-Tomorrow/221935594534480 for further information about sturgeon in NY, or to join and become a volunteer!
Thank you!

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AFS – New York Chapter Newsletter – Winter 2012

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