



CLEARWATER

# Navigator

MAY / JUNE 2004

GREAT HUDSON RIVER  
REVIVAL  
SEE PAGES 4 & 5 FOR FESTIVAL UPDATES

## HUDSON RIVER REPORT CARD:

### COUNTING SHAD

SO MANY VARIABLES, SO LITTLE TIME

One of the Hudson River's most charismatic – and troubled – fauna is the American Shad (*Alosa sapidissima*). The Hudson River and all other east coast shad stocks remain at their lowest levels in recorded history, and new mortality numbers strongly point to a continuing decline unless drastic action is taken soon.

The end of commercial intercept fishery in 2005 will be a positive development. "Intercept" indicates that the fish are taken along their ocean migration route to spawning rivers.

Many biologists, such as Kathy Hattala and Andy Kahnle of the NYS DEC Hudson River Fisheries Unit, believe that the intercept fishery, which began in the 1980s, is a principal cause of unsustainable shad mortality levels. Teasing apart the many other causes is a dizzying task filled with log (X+c) transformations, chi-square analysis and partial autocorrelation functions – tough stuff for your average citizen.

What's keeping the shad down, in plain English? Some of the answers are surprising.

First, what's not killing shad: voracious and burgeoning striped bass stocks. It is simply not physically possible for stripers to consume shad in quantities that impact the overall shad population during the spring spawning run, when most shad are just too big to fit down a striper's throat. Smaller herring also abound then to serve as preferred striped bass diet.

Power plants are killing shad – lots of them. Total annual shad mortality (as eggs and larvae) at the five mid-Hudson plants exceeds 16,000,000.

According to researcher Michael Hendricks, from 1986 to 1991 it took 385 stocked larvae to return a single adult spawning shad at the lift gates of the Susquehanna River's Conowingo Dam. In later years the ratio approached 500:1, reflecting increasing mortality. Applying



Chris Bowser

NYSDEC fisheries technician Joseph Cimino weighs an American shad caught by a commercial shad fisherman. Data collected is used in managing the fishery.

this ratio to the Hudson River, closed-cycle cooling requirements for power plants could result in as many as 30,000 additional shad per season – roughly twice the total annual Hudson River catch in recent years.

There's more. Hattala, Kahnle, and David Strayer from the Institute of Ecosystem Studies have demonstrated that zebra mussels are impairing growth rates of new young shad as much as 20%. Zebra mussel filter-feeding has reduced phytoplankton 80-90% and cut many zooplankton species

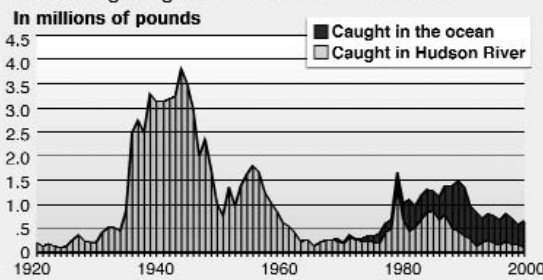
significantly. With less to eat, the young shad grow less, and may leave the river without enough mass to survive the coming winter.

Taken together, the factors affecting adult shad lead to net mortality rates of 70% and greater – per year – up from 37% in 1985, and far above the <30% thought necessary for the shad population to rebound.

- Andy Mele  
Executive Director

#### More shad caught in ocean

The amount of shad caught in the Hudson has decreased markedly from the mid-1900s. By the 1980s, more shad were being caught in the ocean than the river.



Source: N.Y. Dept. Environmental Conservation Dean DiMarzo/ Journal

© 2002 Poughkeepsie Journal. Reprinted with permission.





Jane Marcy

*from the board president*

Dear Clearwater members,

Clearwater is ready for 2004: new sails, new rub rail, new tiller, a new second captain, and new crew. The anticipation is building.

The Revival festival pages last month (weren't they great?) squeezed out my thank-you to everyone who recruited new friends and sent us new members – so here it is: a huge THANK YOU! Hopefully, you are now taking advantage of the early bird ticket prices and planning to bring lots of family and friends to Clearwater's super new green festival.

I now ask you to be on the look out for new prospects who might make good Clearwater board members. That ideal trustee should love music, sailing, and have an affection for the Hudson Valley. You can help by taking them out on the *Clearwater* if they've never been, and bringing them to a board meeting (open to all members).

We are particularly interested in attracting ethnically and geographically diverse candidates who are smart, good team players, dedicated to Clearwater's mission of service to the river and its residents, and who understand the commitment in time and raising of resources that is expected. To provide the high quality, science-based education for 15,000 students a year, fast responses to communities in crisis, and world class celebrations with outstanding outreach to towns all along the river, it takes fearsome focus, funds and friends. Board members are Clearwater's ambassadors in the community.

Prioritizing among the many demands on **America's Environmental Flagship** takes extraordinary discipline and leadership. We have a super staff. They deserve super support from a super board. Help us build the best *board crew* ever.

In the meantime, *please* reassess the level of your support, and pledge to increase it if you can. And come sailing again, the Hudson beckons. Your sloop awaits.

*Annie Osborn*

Clearwater Board President Anne Osborn underwent hip replacement surgery on March 24<sup>th</sup>. We all extend our best wishes for a speedy recovery and a return to pain-free forestry.

## Something to be Proud Of



Brian Mohan

Intern Adriani Leon furls the mainsail aboard the sloop Clearwater.

VOL. XXXV, NO. 3 MAY/JUNE 2004

CLEARWATER NAVIGATOR (USPS 015-790) (ISSN 0747-2218) is published bi-monthly by the Hudson River Sloop Clearwater, Inc., 112 Little Market Street, Poughkeepsie, NY 12601; Phone 845-454-7673; e-mail: office@clearwater.org. Second class postage paid at Poughkeepsie. The Hudson River Sloop Clearwater, Inc. is a non-profit membership organization whose members own and operate the 106-ft. Clearwater, a full-scale replica of sloops that sailed the Hudson a century and more ago, carrying passengers and cargo from port-to-port under the power of wind and tide. Postmaster: Send address changes to Hudson River Sloop Clearwater, 112 Little Market Street, Poughkeepsie, NY 12601.

Board President Anne Osborn  
Executive Director Andre Mele  
Managing Editor Chris Bowser  
Copy Editor/Proofreader Kitty McCullough  
Navigator Designer Rebecca Zilinski

printed on recycled paper

## Reaching the Heart of the City

By Shelley Berlincourt, On-Board Educator

When you're pounding the pavement in Poughkeepsie or hectic New York City, it's hard to believe that the majestic Hudson – and possibly a historic sloop – are only a short walk away. In fact, drawing more folks from urban areas to the river has been a long-standing goal of Clearwater.

Each winter, a Clearwater educator visits inner city high schools and community centers to recruit youth for our Urban Outreach Internship Program. In 2003, this program introduced nearly 600 students to the basics of river ecology and invited them to experience the river for themselves as part of the *Clearwater* crew. During 2003, 14 of those young men and women left their familiar surroundings to come aboard for a week, and two of them stayed even longer.

Thanks to support from Atlantic Philanthropies, the New York City Environmental Fund of the Hudson River Foundation and the Bay, Starr, Levitt, New York Mercantile Exchange, Arthur M. Blank Family, Unilever and W.T. Grant foundations, we've had a continuing partnership with New York City groups such as Wildcat Academy, Rocking the Boat, and Christodora. With help from The Dyson, McCann, and Westchester Community foundations, we recently began urban outreach to groups farther north. Last season we had our first intern from Poughkeepsie High School.

Adriani Leon (see her letter) spent a month as an intern last summer and this past winter she helped to present the program to her peers at Washington Irving High School in New York City. We're glad to say that



On-Board Educator Shelley Berlincourt (left of center, with cap) shows off the day's catch with students from the Young Women at the Helm program.

she'll be joining the crew again this season!

Urban Outreach also includes Clearwater's Young Women at the Helm program. Young women from urban areas spend three challenging days learning about sailing, ecology, and their own potential. If you know of schools or youth or who could benefit from these Clearwater Urban Outreach programs, please contact Shelley Berlincourt at (845) 454-7673.

By Adriani Leon

My internship on the Clearwater was incredible and definitely the best thing I've ever done. When I first signed up, I didn't know what I was getting into, but I made the right decision.

Not only did I learn and practice everything in the handbook, but I proved to myself that I can be my own hero. Through working with kids that weren't easy to manage and tasks that were physically demanding, self-discovery was scheduled into every sail.

I built strong friendships with the crew. They taught me so much about themselves and their

traditions, communities, interests, the world, and how it relates to me. The crew helped me grow as an individual, and by the end of the summer I was a different person – one who is open, more conscious and aware.

The whole experience was fun. It was awesome! I can never express my gratitude for the memories and just *everything!!* The coolest thing I've ever done is sail for four weeks up and down the Hudson River, teaching and learning about the river's ecology while sailing with 20 of my best friends.

Adriani is a senior at Washington Irving High School in Manhattan. She spent a month aboard the Clearwater last summer as an intern, and has helped recruit other students from her school.

THE GREAT HUDSON RIVER REVIVAL 2004  
**C L E A R W A T E R**

**F E S T I V A L**

**JUNE 19 & 20**  
 10 am - DUSK

**CROTON POINT PARK**  
 Croton-On-Hudson, NY

[www.clearwaterfestival.org](http://www.clearwaterfestival.org)  
**800-67-SLOOP**



More than a weekend of the best in MUSIC, DANCING and STORYTELLING, it's also a celebration of environmental education, inspiration and activism.



**SAIL TALL SHIPS**

Sails available on the legendary Sloop *Clearwater* & Schooner *Pioneer*  
 Adults: \$20  
 Kids (12 & under): \$10



Fine Art/Folk Craft \* Children's Interactive Play Area \* On the Banks of the Hudson River \* Freshly Prepared Natural & International Food \* Sail on Tall Ships \* Six Stages With the Best in America's Roots Music & Dance \* Powered by Sustainable Energy: Solar, Soy-diesel and Wind \* Free, Secure Bike Parking \* MTA Metro-North Train/Festival Discount Package/800-Metro-Info \* Volunteer Opportunities \*



**TICKET PRICES**

If purchased by June 18:

	day	weekend
Members	\$30	\$40
Non-Members	\$35	\$45
Senior/Student & PWD	\$30	\$40



Buy Your Tickets Now and Save!

800-67-SLOOP  
[www.clearwaterfestival.org](http://www.clearwaterfestival.org)



**GREEN LIVING EXPO**

TO DEBUT AT 2004 CLEARWATER FESTIVAL

This year's Revival will feature Clearwater's first Green Living Expo showcasing businesses that are examples of a new thriving, green economy.

The Clearwater Festival is one of the longest-running and largest environmental festivals in the country. From its beginnings as a folk picnic in 1966, the *festival that saved a river* has showcased renewable energy and other consumer choices that support "green living."

This year, look for the large white and green tent in the center of the meadow to find out how you can vote with your dollars for a truly sustainable future — and save money and resources at the same time.

**FEATURING EXHIBITORS AND PRESENTERS IN THE AREAS OF:**

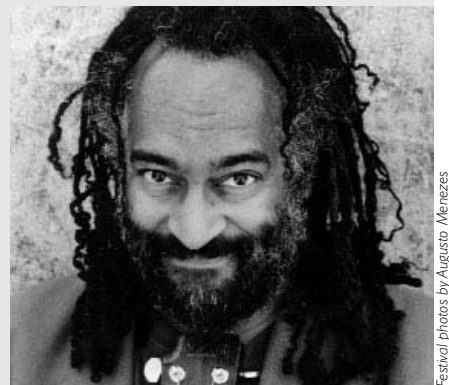
- Energy-efficient transportation
- Safer household cleaners and supplies
- Careers in sustainable living
- Personal care products
- Ecotourism
- Innovative waste solutions
- Building products made from renewable, recycled, or non-toxic materials
- Builders and architects who specialize in "green buildings"
- Socially-responsible financial management
- Renewable energy: wind generators, solar photovoltaics, biofuels, fuel cells, geothermal heating and cooling systems
- Sustainable lawn and landscape care
- Organic farming, food preparation & storage
- Outdoor equipment retailers



**FEATURED PERFORMERS**

Ani DiFranco  
 Dar Williams  
 Toshi Reagon  
 Holly Near  
 Catie Curtis  
 Ellis Paul  
 Sol Y Canto  
 Dan Zanes  
 Guy Davis

Vance Gilbert  
 Patti Larkin  
 Shemekia Copeland  
 Nerissa and  
 Katryna Nields



...and many more! Check out [www.clearwaterfestival.org](http://www.clearwaterfestival.org) for performer updates.

# CLEARWATER CALENDAR

## SAT. MAY 8, 2004

Walkabout Clearwater Coffeehouse featuring **Gandalf Murphy & the Slambovian Circus of Dreams** - Katonah, NY. \$17.50. (914) 242-0374.

## THURS. MAY 13

**Celebration of Clearwater's placement on the National Register of Historic Places** hosted by Hudson River Park Trust, Manhattan Pier 40, NYC \$75. (800) 67-SLOOP

## THURS. MAY 13

Rocking the Boat Spring Fundraiser Pioneer Bar, East Village, NYC \$25. www.rockingtheboat.org

## MAY 29 & 30

**Memorial Day Weekend Sails!** Sail the Hudson River Highlands from West Point. (800) 697-8420

## SAT. JUNE 12, 2-6PM

Rocking the Boat Spring 2004 Launch Cement Plant Park, Bronx, NY. www.rockingtheboat.org

## JUNE 19 & 20, 11AM - DUSK

**GREAT HUDSON RIVER REVIVAL!** (see pages 4 & 5 for details)

## JULY 6 - JULY 15

The Great Hudson River Paddle - a 10-day paddle from Albany to NYC. www.hrwa.org/ghrp/index.html 518-473-3835

## SAT. JULY 17

Sloop Club Congress Camp Out Sebago Camp in Harriman State Park 718-646-1224

## UPCOMING SHAD FESTIVALS:

- May 8:** Nyack
- May 9:** Midwood
- May 15:** Catskill, Kingston
- May 16:** Riverlovers at Croton Pt (914) 378-5086
- May 23:** Ross Dock, Ft Lee, NJ
- May 23:** Riverkeeper's Shad Picnic at Boscobel

## MEMBER SAILS:

The sloop Clearwater will host 3-hour Member Sails this year from various docks on the river. Members will receive a separate Member Sail calendar and registration form in the mail.

For more calendar listings and updates please visit [www.clearwater.org](http://www.clearwater.org)

# HUDSON RIVER DIGEST

## COME TO NYC'S NEW HUDSON RIVER PARK

If you want to see NYC's finest Hudson River view, come to the West Side of Manhattan - come to the new Hudson River Park. Here along the waterfront in Greenwich Village, there are three new piers, one extending 800 feet into the River. These piers are all park: lawns, trees, gardens, picnic tables, playgrounds, places to sun, to play, to look out onto the great river of the North - the mighty Hudson at its mightiest as it flows out to the Atlantic.

Soon the flowers will start to bloom, the grass will turn green, and the unseen migrations of fish will fill the inshore areas. Come then to the Park. And come again. Starting in June, the Hudson River Park Trust and Friends of Hudson River Park will be offering many public programs - from movies and music and dance to boat rides and talks and historic walks. Come for Hudson River Park Day on June 6. Come for an afternoon, come for a summer evening. You will not be disappointed. And Clearwater will be there too.

For more information, visit the Trust website at [www.hudsonriverpark.org](http://www.hudsonriverpark.org); or contact the Friends at 212-757-0981, or [info@fohrp.org](mailto:info@fohrp.org).

- Al Butzel  
President, Friends of Hudson River Park



Kicking back at Hudson River Park.



## RECYCLING RETURNS TO NEW YORK CITY!

Mayor Bloomberg suspended glass and plastic recycling in 2002, claiming it would save New York City \$40 million. Less than two years later - with little to no savings realized - the full program restarted on April 1st.

Trends in recycling and garbage costs have become increasingly evident: disposal costs rose 40% in the last three years, while the difference between recycling and trash expenses narrowed by more than 85% over the last decade. Paper recycling - more than half of the city's operation - is already less expensive than trash disposal.

Officials must immediately begin to re-educate New Yorkers on the items to recycle so that valuable materials don't continue to be trashed. The city needs to approach recycling as a business venture, mining New York City's waste to create significant commodities and cut the city's huge garbage bill.

Re-instating recycling is a critical step. Expanded recycling is vital to optimizing recycling's cost effectiveness and to reducing New York City's enormous trash loads.

- Virali Gokaldas, Policy Analyst  
Natural Resources Defense Council

NRDC will soon co-release a report on how to make NYC's recycling program even more cost-effective.

# TRANSITIONS

## New Faces

Captain **Scott Cann** comes to Clearwater with years of experience on such prestigious vessels as the Schooners Ernestina and Adventuress. Scott earned a Bachelor's degree in Environmental Education from Western Washington University. "I am excited about learning a new river," says Scott, "and helping create a great sense of stewardship for both the sloop and the Hudson."

A life-long Hudson Valley resident, **Filomena Riganti** received her Bachelor's degree in Environmental Studies from Vassar College. She previously worked with Clearwater for two seasons aboard the Mystic Whaler as a member of our education staff, and is excited to be back here as the new Membership Assistant. Her humble mission is to save the world.

Hudson River enthusiast, musician and Poughkeepsie native **Daniel Kricheff** has returned from travels abroad to join us this season as On-Board Educator. Dan holds a Bachelor of Arts in Literature and Art from SUNY Purchase. He first came to Clearwater in 1996 as a volunteer and returned in 2003 as an education assistant. "For as long as I can remember, Clearwater has had a unique presence in the Hudson Valley," says Dan. "I hope to do what I can to contribute to the tradition of Clearwater, as well as to its evolution."

**Ryan Palmer** has joined us as the new Environmental Action Associate. Ryan has a degree in Wildlife Biology from the University of Rhode Island and has lived most of his life in the Hudson Valley. "My main goal in life is to help conserve wildlife and habitat," Ryan says. "I came to Clearwater to apply my science background to grassroots policy work."



Lisa Eldridge, Deckhand; Scott McGinley, 1st Mate; Stephen Fairhurst, Volunteer. (Not pictured: Katie Gray, Relief Crew).

## Au Revoir

Clearwater bids adieu to our multitalented Environmental Associate, **Tim Sweeney, JD**. Whether tracking SPDES permit proceedings, participating in the Citizen Advisory Group on the proposed PCB remediation or attending late night meetings on Indian Point, Tim has capably represented Clearwater's advocacy policies and positions for the past two years. Tim's humor, his resourcefulness in a variety of challenges, and his willingness to do whatever Clearwater asked of him were truly remarkable. We wish him well in his new position as Regulatory Watch Program Director for Environmental Advocates in Albany.

- Manna Jo Greene, Environmental Director



## CLEARWATER SPRING CREW

(Front Row) Scott Cann, Captain; Shelley Berlincourt, Educator; Erin Crickett, Apprentice; Erica Barth, Education Intern; Samantha Heyman, Captain; Jonathan Holmes, Apprentice. (Back Row) Ferguss Snedden, Deckhand; Matt Oates, Engineer; Todd Kosakowski, 1st Mate; Eliza Joy Collins, Bosun; Stuart Taffe, 2nd Mate; Peter Renders, Volunteer; Rebecca Pskowski, Cook; Dan Kricheff, Educator

## MYSTIC WHALER SPRING CREW

(Front Row) Beth Deal, Cabin Steward; Shannon Hagen, Educator; Molly Powers, Education Intern; Deborah Sharpe, Education Intern; Tara Roesberg, Educator; Andy Bermel, Volunteer; Shawn Strange, Cook. (Back Row) Courtney Lynch, Volunteer; Ginneh Lewis, Volunteer; Chris Bowser, Education Director; Jon Terrell, Volunteer; John Eginton, Captain;

Yes, I want to help Clearwater in its efforts to reclaim and protect the Hudson River.

<input type="checkbox"/> BENEFACTOR	\$5,000	<input type="checkbox"/> CONTRIBUTOR	\$100
<input type="checkbox"/> SAILING MASTER	\$1,000	<input type="checkbox"/> FAMILY	\$50
<input type="checkbox"/> MARINER	\$500	<input type="checkbox"/> INDIVIDUAL	\$35
<input type="checkbox"/> SPONSOR	\$200	<input type="checkbox"/> LIM. INCOME	\$15

I am enclosing a check or money order payable to Clearwater.

Please charge my  Visa  MC  Discover  AmEx

ACCT NO \_\_\_\_\_ EXP \_\_\_\_\_

SIGNATURE \_\_\_\_\_

NAME \_\_\_\_\_

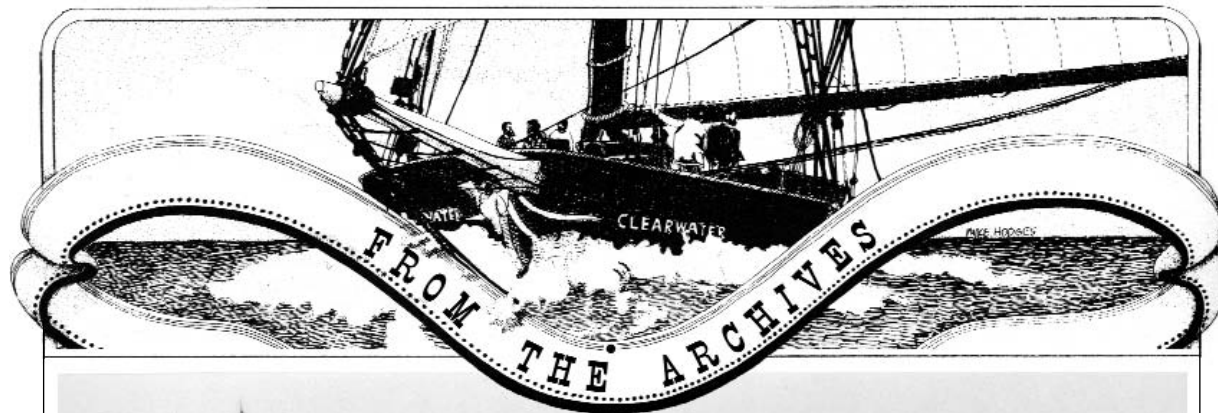
ADDRESS \_\_\_\_\_

CITY/STATE \_\_\_\_\_ ZIP \_\_\_\_\_

E-MAIL \_\_\_\_\_

PHONE \_\_\_\_\_

All membership contributions are tax-deductible.



**HAPPY 35TH BIRTHDAY, CLEARWATER!!** On May 17, 1969, the *Clearwater* slid down the ways at the Harvey Gamage Shipyard in South Bristol, Maine, and history was born with a splash! Note that the mast, other spars, sails, and deck boxes were added after the launch. This year – the sloop's 35<sup>th</sup> birthday – the *Clearwater* will be named to the National Register of Historic Places, a fitting tribute to **America's Environmental Flagship**.

*From the Archives will regularly present photographs, illustrations, and anecdotes from Clearwater and the Hudson River's past.*



*Moving?  
Please send us  
your new  
address right  
away and  
be sure to  
enclose your  
old address label.*

**Hudson River Sloop CLEARWATER, Inc. ■ 112 Little Market Street, Poughkeepsie, NY 12601  
www.clearwater.org ■ 845.454.7673 ■ 845.454.7953 (fax)**

*Printed on recycled paper*