

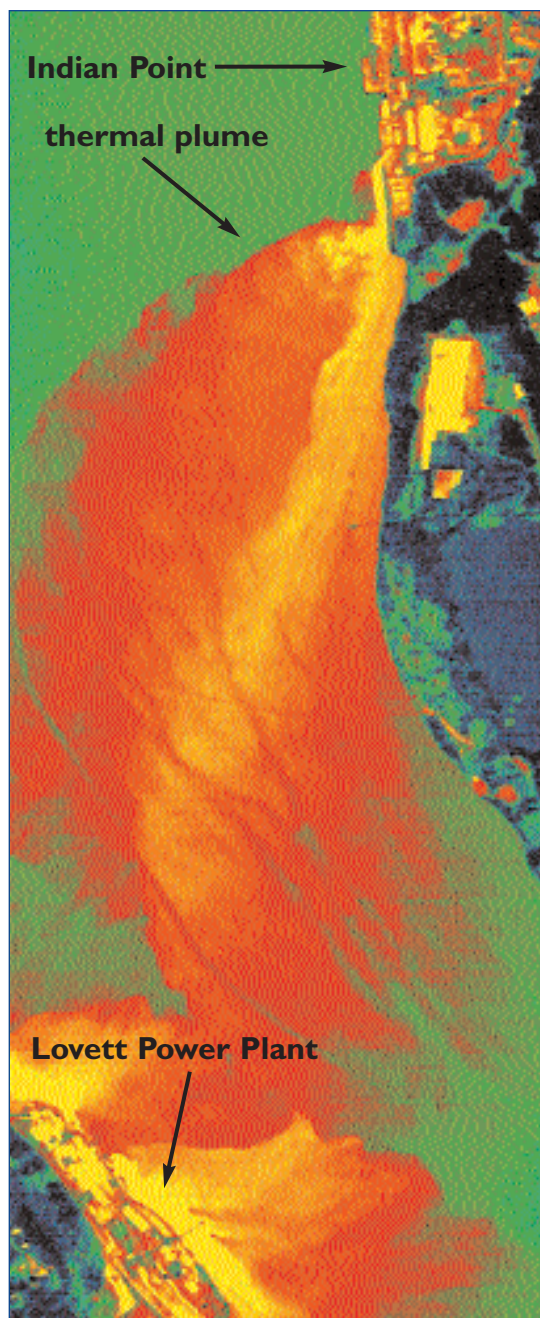


C L E A R W A T E R

# Navigator

M A R C H / A P R I L 2 0 0 3

## ***HOT WATER ON THE HUDSON: INDIAN POINT FISH KILLS LAWSUIT CLEARS FIRST HURDLE***



Clearwater, Westchester County Assemblyman Richard Brodsky (lead attorney), Pete and Toshi Seeger, and several other parties have filed suit in State Supreme Court to force NYS Department of Environmental Conservation (DEC) to reissue or deny long-expired cooling-water discharge permits at Indian Point. This suit has nothing to do with nuclear power or evacuation plans. It has everything to do with fish.

During times of peak use, power plants withdraw *five billion gallons per day* from biologically rich areas of the tidal Hudson River north of New York City, and kill the overwhelming majority of aquatic life in this massive volume, including billions of fish per year. Indian Point is by far the worst culprit, withdrawing more than two billion gallons of river water each day. That water is alive with planktonic fish eggs and larvae, virtually all of which die due to thermal shock and shear stress while passing through the plant. The discharge plume of hot water further distresses river organisms due to the low oxygen saturation of warm water.

Recently, presiding Justice Keegan denied Entergy and DEC motions to dismiss our lawsuit, and affirmed our “standing” – our right as river users to bring suit on this matter. Next month we will make further arguments to clarify DEC’s obligations under the law, and hopefully compel action.

Bound by the Clean Water Act, DEC is supposed to require permit-holders to install the best technology available to minimize this damage, but it has not updated Indian Point’s permits since 1992. Closed cycle cooling, which recycles the water, can reduce the impacts by 97 percent or more and is commonly used elsewhere, including on newer power plants on the Hudson. Instead of reissuing the permits, DEC has been negotiating new requirements with the

*(continued on page 3)*

*(pictured above) The thermal plume from Indian Point and Lovett power plants is clearly visible in this infra-red image, taken in 1998 by scientists from GER/SpectroTech, Inc. The reds indicate discharge temperatures from 1-8 degrees hotter than ambient river water, and the yellows go up to 14.5 degrees hotter. After analysis, one scientist noted that the plume appeared to be devoid of life.*

### ***INSIDE:***

- *Sloop Report*
- *Revival 2003*
- *Spring Schedule*
- *Shawangunk Ridge*
- *Education Updates*

# While the River Freezes... Sloop Projects Heat Up!



Despite extremely cold temperatures, shoveling tons of snow and constantly maintaining the boat's shed, this winter is proving to be quite productive. We've embarked on ambitious winter projects both to catch up on routine maintenance and to continue overall restoration of the Sloop.

The winter maintenance season began with a trip out to Greenport, Long Island for the Clearwater's biennial haul out and Coast Guard hull inspection. We sailed straight through from the 79th Street Boat Basin in NYC to Greenport in 18 hours. We were full sail from Execution Rock to Gardiner's Bay. A 15 to 20 knot breeze off the port bow set a cold but wonderful precedent.

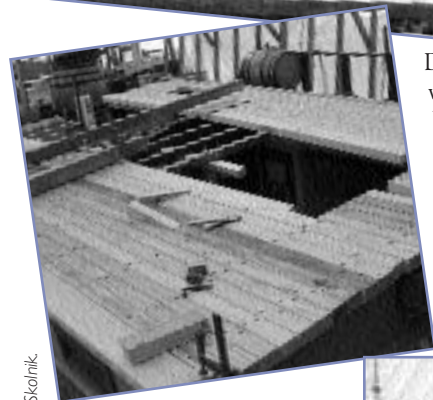


We were able to haul out on the ways, replace 4 planks below the waterline, re-caulk a large majority of the butt seams and start our return trip up the Hudson in under a month's time. This was my first haul-out as captain of the Clearwater, and I was quickly cautioned not to expect such favorable conditions in the future. Most years, Clearwater crew isn't able to spend Thanksgiving at home!

Replacing the cabin top while completing routine winter maintenance was our next task at hand. Our new crew – some returning from prior years – took the opportunity to step it up a notch. Before most of us could blink the boat was down-rigged, the shed was up and the cabin top was ripped apart. We expect wood for a new boom to arrive by the time you read this.

Dave Hval – long time friend, crew member and shipwright for the Sloop – worked with his son Jake and Niels Vestegaard to retire and replace several beams. Rondout Woodworking's Wayne Ford – another past crew member – is replacing the planking.

By mid-March, our Spring Crew will arrive and we will start putting the sloop back together. To steal a term from college sports, March Madness will descend in Saugerties. Any help that members and friends care to volunteer will be greatly appreciated. Contact KC in the office, 845-454-7673 or Eli, our Winter Coordinator, at the shop in Saugerties, 845-246-3370.



## CLEARWATER'S WINTER CREW

(pictured from left to right) Nick Rogers, Reid Hoffman, Eli Schloss, Joshua Parker, JC Parker, Abigail Friehl, Chris "Brownie" Brown, Randy Parmer



See you on the River in April.

- Capt. Joshua Berger

**CHECK OUT A  
COMPLETE PHOTO  
LOG OF THIS  
WINTER'S  
CABIN TOP PROJECT  
ON THE WEB!**

[www.clearwater.org/new\\_deck](http://www.clearwater.org/new_deck)



## HOT WATER ON THE HUDSON: (continued from page 1)

generators and some environmental groups, including Riverkeeper, for the past ten years. The negotiations have failed since the industry insists that the planktonic fish are ecologically irrelevant "surplus production," to justify their decimation of the fishery. [Clearwater was not part of the negotiations.]

There is no ecological basis for this contention. Far from irrelevant, young fish are the population base, and become an important food source for many river and ocean fish species along the east coast. Indian Point is simply trying to sustain a competitive advantage.

DEC's regulatory ambivalence is a threat to the Clean Water Act itself. A crown jewel of American environmental laws, the Clean Water Act is currently under attack by the Bush administration, and could be further weakened by the state's studied inaction.

This ongoing, massive fish kill is emerging as the most important Hudson River ecological issue. Riverkeeper will soon join the lawsuit over the Indian Point water withdrawals, and Clearwater, Riverkeeper, Scenic Hudson and NRDC have commenced a similar lawsuit to end once-through cooling at the Danskammer power plant outside Newburgh.

Please help Clearwater convince DEC to upgrade the cooling technology on these plants to preserve and restore the Hudson ecosystem. Write a letter to DEC Commissioner Erin Crotty, and copy Governor Pataki, reminding them of their commitment to the Hudson River, and urging them to end the fish kills at the Hudson River power plants. Contact Andy or Manna Jo at Clearwater or Dave at Riverkeeper. Visit [www.riverkeeper.org](http://www.riverkeeper.org) for more details, and [www.clearwater.org](http://www.clearwater.org) for a sample letter and addresses.

- Andy Mele, Clearwater  
Executive Director & David Gordon,  
Riverkeeper Senior Attorney

## STATE WON'T CERTIFY INDIAN POINT EVACUATION PLAN

In a letter dated January 30, the director of the State Emergency Management Office (SEMO) stated, "Because no formal reports have been forwarded [from the four counties in the Indian Point evacuation area], I am unable to transmit checklists for the Indian Point planning area at this time."

With those words history was written in the Hudson Valley. When Rockland County declined to certify that its evacuation checklist had been completed in 1983, then-Governor Mario Cuomo

overrode the county and certified to the Federal Emergency Management Agency (FEMA) that Indian Point's evacuation plan was feasible and could be implemented should the need arise. Governor Pataki made a powerful statement by declining to exercise Cuomo's precedent.

On January 10th of this year, a Pataki-sponsored review of the evacuation plan confirmed what Clearwater and others have long been saying: The evacuation plan for Indian Point is inadequate and does not protect public health and safety.

The review, by James Lee Witt Associates, states that the current evacuation plan assumes the public will comply with official directions rather than act in their own best interest, and does not consider the additional ramifications of a terrorist attack.

Additionally, the report suggests that the exercises used to test the plan are of "limited use" in identifying problems or solutions, and acknowledges the seriousness of the plan's faults due to the "large population concentrations near [the plant]."

FEMA must take action, and soon. An evacuation plan that is protective of public health and safety is a legal requirement for Indian Point's license to operate. To date, no nuclear plant on-line has ever been shut down by public outcry. However, Shoreham, on the north shore of Long Island – almost completed when Suffolk County and area citizens refused to accept the plant's evacuation planning – never opened.

### WHAT YOU CAN DO:

Praise is an effective form of grassroots outreach! Write to Governor Pataki and the four county executives who refused to certify the Indian Point evacuation plan. Tell them you support their actions, and urge them to hold firm.

**Governor George E. Pataki**  
State Capitol  
Albany, NY 12224  
[www.state.ny.us/governor](http://www.state.ny.us/governor)

**County Executive for Westchester:**  
Leonard N. Spano  
County of Westchester (60)  
110 Dr. Martin Luther King, Jr. Blvd.  
White Plains, NY 10601  
914.995.3071

**County Executive for Putnam:**  
Robert J. Bondi  
40 Gleneida Ave.  
Carmel, NY 10512  
845.225.3641 ext. 200

**County Executive for Orange:**  
Edward A. Diana  
255 Main Street  
Goshen, NY 10924  
845.291.2700

**County Executive for Rockland:**  
C. Scott Vanderhoef  
Office of County Executive  
11 New Hempstead Road  
New City, NY 10956  
845.638.5122



# The Hudson Valley's "Last Great Place"

*If I had to name four or five places that define the Hudson Valley, one of them would certainly be the Shawangunk Ridge. Imagine my surprise, then, to hear a group of developers claim that putting more than 350 houses and miles of road along a gated, fenced, and guarded three-mile swath of the steep green slope, from the valley floor to the base of the cliffs, will be "...adding to the sense of place."*

*"We are allowing nature to determine the landscape's carrying capacity," they said, distorting a scientific term for the benefit of wealthy second-home buyers.*

*We were told that the project, on more than 2,600 acres of forest and pasture lands, will "create 1,700 acres of open space." A 300-acre golf course is included in that figure.*

*All the sanctimonious ecobabble in the world cannot conceal the fact that this project will degrade habitat on a regional scale. The Hudson Valley landscape is full of compromises, and a line must be drawn somewhere. This should be the place.*

- Andy Mele

The Shawangunk Mountains rise near Rosendale, New York, continue south into New Jersey as the Kittatinny Mountains and follow a sinuous path into Pennsylvania as the Blue Mountains. Locally, the Shawangunks (pronounced "Shawn-gums") are known for their stunning cliffscapes, secluded glens, hemlock-lined ravines, pristine streams that sheet and riffle across bedrock slabs, and panoramic vistas over the Hudson and Rondout Valleys. Viewed from the valleys below, the Shawangunks are the living backdrop for eleven towns and numerous hamlets and are an integral and beloved part of the scenic, cultural and historic fabric of Ulster, Orange and Sullivan counties.

The unique geology of the Shawangunk Ridge, located at the extreme edge of the High Allegheny ecoregion, gives rise to an ecological treasure trove. The Shawangunks support more than 35 natural communities, including what is probably the world's best example of globally rare ridgetop dwarf pitch pine barrens. The ridge is home to three other rare plant

communities, and nine rare plant and animal species. Even the common is exceptional here – the chestnut oak forest on the flanks of the ridge is considered the largest and best example of this forest type in New York State. The Shawangunks are one

*The Shawangunks  
are one of the most important  
places for landscape level  
biodiversity conservation  
in the northeastern  
United States.*

of the most important places for landscape level biodiversity conservation in the northeastern United States, leading The Nature Conservancy to designate them one of Earth's "Last Great Places".

The Shawangunks are on the New York State's "top ten" priority list for protection. This reflects the fact that in addition to its biological importance, the Shawangunk Ridge is a spectacular hiking, biking and rock climbing area, and an important source of clean water. Sky lakes, cascading waterfalls

and extensive trails are in easy reach of the Hudson Valley, New York City and New Jersey, and attract thousands of visitors annually. More than 22,000 acres are in conservation ownership and are publicly accessible, including Minnewaska State Park and Preserve (12,000 acres), Mohonk Preserve (6,000 acres), and Sam's Point Preserve (4,700 acres), owned by the Open Space Institute and managed by The Nature Conservancy.

The most significant threat to the ecology of the Shawangunks today is encroaching development. Development results in habitat fragmentation and disrupts ecological processes responsible for shaping the ridge's natural communities over thousands of years. The Nature Conservancy is working with other conservation land managers, scientists and communities to assure that the Shawangunks are protected, and have identified the need to protect an additional 15,000-25,000 acres of land along the ridge.

- Cara Lee, Director of  
The Nature Conservancy's  
Shawangunk Ridge Program

# Shawangunk Ridge UNDER ATTACK

Once again, major development threatens the Shawangunks. A too-vivid reminder of Marriott's attempt to build a hotel/condominium complex at Lake Minnewaska, the proposed project would be located on the southeastern border of Minnewaska State Park Preserve on what is known as the Awosting Reserve. The threatened tract extends roughly from Gertrude's Nose to the vicinity of Mud Pond and encompasses 2,660 acres.

John Bradley, owner of the Reserve, has entered into a partnership arrangement with Chaffin/Light Associates, an organization with a record for developing what they euphemistically call a

"conservation-based community." The plan calls for a gated community of 349 upscale houses. Most of the houses (269) would have up to 4,500 square



Andrew Desnick

feet of livable floor area. The smallest houses, called "cabins," would have 2,000 square feet—more than most houses in the area. The largest houses would be built high on the ridge, clearly visible from Gertrude's Nose,

Hamilton Point, and Castle Point, permanently transforming the view from the valley below.

The developers claim that 60% of the land will be subject to conservation easements, but this figure appears to include all land not cleared for houses, as well as an 18-hole golf course.

In the past, the Open Space Institute and The Nature Conservancy have made several unsuccessful attempts to protect at least the upper portions of the property adjacent to Minnewaska.

Fighting the proposed development now may be our last chance to protect this marvelous tract of land, but it will take a concerted effort to win.

- Keith LaBudde  
President of Friends of  
the Shawangunks

## GET READY TO RIVER SWEEP!

*In 1998, sparked by the plea of an impassioned child, Scenic Hudson created The Great River Sweep, an all-volunteer cleanup of the Hudson River shorelines, tributaries and public spaces.*

Last year the Sweep worked with communities and partner groups to rally 5,285 volunteers who collected more than 66 tons of garbage!

Scenic Hudson also partnered with the NYS Attorney General's office to conduct a litter survey. The survey disclosed that non-returnable beverage containers make up 61% of the beverage container litter in the Hudson Valley, but account for only 22% of the beverage container

market. Clearwater and Scenic Hudson have joined a growing coalition of more than 150 community groups advocating to expand New York State's bottle deposit law to cover water, juice, sports drinks and iced tea beverage containers. The survey will continue in 2003.

This year's cleanup will be held April 19 - 27. To participate, contact Scenic Hudson at 845 473 TIDE or volunteer@scenichudson.org.



Members of the Youth Resource Development Corporation and Chris Bowser, Clearwater's Education Director, clean up at the Esopus Meadows Environmental Center.



# CLEARWATER FESTIVAL

MUSIC & ENVIRONMENTAL  
GREAT HUDSON RIVER REVIVAL  
JUNE 21 & 22 - 10 AM TO DUSK

CROTON  
POINT PARK  
ON THE SHORES  
OF THE  
HUDSON  
RIVER

Participatory river exhibits infuse education, activism and recycling principles and practices into the very fabric of the festival.



The best in music, dance and storytelling.



Revival photos by Augusto Menezes

100% powered by solar photovoltaic, soy-diesel generators, and wind-power energy.



Award-winning for providing a barrier-free environment for people with disabilities and ASL interpretation for the deaf and hearing-impaired.



Fine crafts from professional artisans and folk artists; delicious foods and children's activities.

**BRINGING TOGETHER THE SPIRIT OF CELEBRATION, COMMUNITY AND ACTIVISM!**  
The Festival That Saved a River comes alive at Croton Point Park, Westchester County's spectacular natural river park. For over three decades, our magical festival has gathered us in support of Clearwater's environmental work for a weekend of music, dancing, fun and inspiration.

## MORE THAN A SUMMER FESTIVAL,

**THE GREAT HUDSON RIVER REVIVAL** brings people together in a context that educates, inspires, and motivates them to take action. Revival is a nurturing environment that empowers individuals with the energy – and example – of supportive and creative peers.



In 2000, the Revival launched a petition that spread throughout the Hudson Valley, gathering more than 11,000 names by the time it was submitted to EPA representatives in New York City. In large part because of the petition and Clearwater's intensive outreach capabilities, the EPA made the right decision and ordered a cleanup of Hudson River PCBs.

In 2003 we will be launching an even more ambitious campaign; The New York Energy Challenge. It's an interactive, internet-supported energy conservation campaign with the goal of reducing the region's electricity demand by 2,000 megawatts – the exact power capacity of the Indian Point nuclear facility operating at peak load.

## VOLUNTEERING FOR THE RIVER

Clearwater needs your help to build Revival 2003! Become one of over 900 volunteers who help plan, produce and staff Revival. All volunteers who contribute their time and talent (5-6 hours per day, plus an \$18 donation) receive:

1. Weekend Festival Pass
2. Access to Volunteer Lounge
3. Meals all weekend
4. Camping on-site
5. Revival Volunteer T-shirt
6. Invitation to Volunteer Dance Party

**BECOME A FESTIVAL VOLUNTEER!**

Call 845-454-7673 for a volunteer application, or download an application from our website: [www.clearwater.org](http://www.clearwater.org)

REVIVAL WILL RESOUND WITH THE BEST OF FOLK, ROCK, FUNK, REGGAE, LATIN, APPALACHIAN, AFRICAN, CONTRA, ZYDECO AND BLUES.

## SOME OF WHO YOU'LL SEE IN 2003:

**JILL SOBULE**, whose edgy "I Kissed a Girl" became a hit on alternative radio, also seen on The West Wing;

**MARSHALL CRENSHAW**, a rocker known for "Someday, Someway;" "Fantastic Planet of Love;"

**NRBQ**, famed for songs like "Green Light;" "Me and the Boys;" and "It Comes to Me Naturally;"

**ALVIN YOUNGBLOOD HART**, archetype of the blues renaissance, with 2003 Grammy and W.C. Handy nominations for acoustic blues;

**JAY UNGAR AND MOLLY MASON**, Grammy-winning work interpreting American dance and folk traditions, including the anthemic "Ashokan Farewell;"

**PATTY LARKIN**, a singer/songwriter with influences including samba, r&b, blues, Celtic, rock, folk, and jazz;

**GUY DAVIS**, a huge blues talent only recently gaining recognition after five great CDs;

**MURALI CORYELL**, a blues and R&B talent to watch;

**SHARON KATZ AND THE PEACE TRAIN**, surprise hit of last year's festival, coming back by popular demand;

**THE MAMMALS**, an energetic and eclectic group fronted by Ruthie Ungar and Tao Rodriguez-Seeger;

**STEVE RILEY & THE MAMOU PLAYBOYS**, America's foremost Cajun band.



Patty Larkin



Murali Coryell



Alvin Youngblood Hart



Sharon Katz & The Peace Train



Kim & Reggie Harris

**GATE PRICE:**  
\$40/DAY, \$50 WEEKEND.  
**GET YOUR TICKETS NOW & SAVE UP TO 50% OFF GATE PRICES!**

## REVIVAL 2003 ADVANCE TICKET ORDER FORM

TICKETS AVAILABLE NOW! ORDER ONLINE ([WWW.CLEARWATER.ORG](http://WWW.CLEARWATER.ORG)) OR CALL (800) 67-SLOOP

NAME	TICKET DESCRIPTION	IF PURCHASED BY:			#	COST
		5/1	6/1	6/20		
ADDRESS	MEMBER ADVANCE DAY	\$20	\$25	\$30		
CITY STATE ZIP	MEMBER ADVANCE WEEKEND	\$30	\$35	\$40		
DAY PHONE EVE PHONE	GENERAL ADVANCE DAY	\$25	\$30	\$35		
E-MAIL	GENERAL ADVANCE WEEKEND	\$35	\$40	\$45		
<input type="checkbox"/> CHECK ENCLOSED (PAYABLE TO CLEARWATER)	SENIOR/STUDENT/PWD DAY	\$25	\$25	\$25		
<input type="checkbox"/> CHARGE MY (CIRCLE): AMEX VISA DISC MC	SENIOR/STUDENT/PWD WEEKEND	\$35	\$35	\$35		
ACCT NUMBER	DONATION FOR CHILDREN AGES 12 & UNDER					
EXP DATE SIGNATURE	MEMBERSHIP DUES (INDIVIDUAL \$35; FAMILY \$50)					
ALL SALES ARE FINAL - NO REFUNDS. EVENT PROCEEDS RAIN OR SHINE. PROGRAM SUBJECT TO CHANGE.	HANDLING FEE PER ORDER					\$2.00
<b>TOTAL</b>						

# SPRING 2003 SAILING SCHEDULE

SLOOP CLEARWATER

DATES, TIMES AND LOCATIONS ARE SUBJECT TO CHANGE



## APRIL

- 7 - 8 **POUGHKEEPSIE/WARYAS PARK**  
(9:30-12) & (1-3:30) Duzine/Lenape PTA
- 9 **POUGHKEEPSIE/WARYAS PARK**  
(9:30-12) Duzine/Lenape PTA  
(1-4) Newburgh Free Academy at Stewart
- 10 **KINGSTON/H.R.M. MUSEUM**  
(9-12) Woodstock ES;  
(1-4) Hannah Senesh Community
- 11 **KINGSTON/H.R.M. MUSEUM**  
(9-12) TBA; (1-4) Stuart Country Day School
- 12 **KINGSTON/H.R.M. MUSEUM**  
(10-1) TBA; (2-5) TBA
- 13 **POUGHKEEPSIE/WARYAS PARK**  
(9) Volunteers;  
(AM/PM) Maintenance/Transit
- 14 **NEWBURGH/TOWN LANDING**  
(9-12) & (1-4) Cornwall-on-Hudson
- 15 **NEWBURGH/TOWN LANDING**  
(9-12) Saint Joseph's; (1-4) Circleville ES
- 16 **NEWBURGH/TOWN LANDING**  
(9-12) Marlboro MS; (1-4) Circleville ES
- 17 **WEST POINT/SOUTH DOCK**  
(AM/PM) CLOSED
- 18 - 19 (TBA)
- 20 **WEST POINT/SOUTH DOCK**  
(9) Volunteers (Garrison); (AM/PM) Maint
- 21 **WEST POINT/SOUTH DOCK**  
(9-12) Hackley School; (1-4) TBA
- 22 - 24 **NEWBURGH/TOWN LANDING**  
(9-12) & (1-4) Somers Intermediate School
- 25 **WEST POINT/SOUTH DOCK**  
(9-12) TBA; (1-4) TBA
- 26 **GARRISON/YACHT CLUB**  
(9-2) Rocking the Boat
- 27 **GARRISON/YACHT CLUB**  
(9) Volunteers (Garrison);  
(AM/PM) Maint/Transit
- 28 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Huckleberry Hill School
- 29 **WEST POINT/SOUTH DOCK**  
(9-12) Huckleberry Hill School  
(1-4) Pine Bush Elementary School
- 30 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Pine Bush Elementary School

## MAY

- 1 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Ostrander School
- 2 **WEST POINT/SOUTH DOCK**  
(9-12) Sacred Heart School; (1-4) Circleville ES
- 3 **WEST POINT/SOUTH DOCK**  
(AM/PM) Maintenance  
(2-5) West Point Event
- 4 **WEST POINT/SOUTH DOCK**  
(9) Volunteers; (AM/PM) Transit
- 5 **KINGSTON/H.R.M. MUSEUM**  
(9-12) & (1-4) Haldane Elementary School
- 6 **KINGSTON/H.R.M. MUSEUM**  
(9-12) Orville A. Todd MS; (PM) CLOSED
- 7 **KINGSTON/H.R.M. MUSEUM**  
(9-12) & (1-4) Orville A. Todd Middle School
- 8 **SAUGERTIES/U.S.C.G. STATION**  
(9-12) Woodstock Day; (1-4) West Hurley ES
- 9 **COXSACKIE/VILLAGE DOCK**  
(9-12) Undermountain ES; (PM) Maintenance
- 10 **COXSACKIE/VILLAGE DOCK**  
(10-1) Westmere ES; (2-5) Glens Falls MS
- 11 **HUDSON/WATERFRONT PARK DOCK**  
(9) Volunteers;  
(AM/PM) Maintenance/Transit
- 12 **CASTLETON/BOAT CLUB**  
(9-12) & (1-4) Berlin Elementary School
- 13 **CASTLETON/BOAT CLUB**  
(9-12) Farnsworth MS; (1-4) Maint/Transit
- 14 **COXSACKIE/VILLAGE DOCK**  
(9-12) & (1-4) Scott M. Ellis
- 15 **COXSACKIE/VILLAGE DOCK**  
(9-12) & (1-4) Scott M. Ellis
- 16 **COXSACKIE/VILLAGE DOCK**  
(9-12) Hawthorne Valley School  
(1-4) Berkshire Country Day School
- 17 **CATSKILL/HISTORIC POINT**  
(1-4) SHAD FESTIVAL!  
Clearwater Dockside Program
- 18 **COXSACKIE/VILLAGE DOCK**  
(9) Volunteers; (AM/PM) Maintenance
- 19 **COXSACKIE/VILLAGE DOCK**  
(9-12) Guilderland High School; (PM) Transit
- 20 **SAUGERTIES/U.S.C.G. STATION**  
(9-12) & (1-4) Rosendale Elementary School
- 21 **KINGSTON/H.R.M. MUSEUM**  
(9-12) & (1-4) George Washington ES
- 22 **KINGSTON/H.R.M. MUSEUM**  
(9-12) Nassau/Spackenkill ES; (1-4) TBA
- 23 **KINGSTON/H.R.M. MUSEUM**  
(9-12) Warwarsing Christian Academy  
(1-4) S. Berkshire Home School Network
- 24 **POUGHKEEPSIE/WARYAS PARK**  
(10-1) Girl Scouts #411 I-Fishkill  
(2-5) Hyde Park United Methodist Church
- 25 **POUGHKEEPSIE/WARYAS PARK**  
(9-12) Volunteers; (AM/PM) Maintenance
- 26 **POUGHKEEPSIE/WARYAS PARK**  
(AM/PM) Transit/Maintenance
- 27 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) & (1-4) Bedford Village

- 28 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Cornwall Elementary School
- 29 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Katonah Elementary School
- 30 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Cornwall Elementary School
- 31 **WEST POINT/SOUTH DOCK**  
(10-1) Member Sail; (2-5) TBA

## JUNE

- 1 **WEST POINT/SOUTH DOCK**  
(9) Volunteers (Garrison); (AM/PM) Maint.
- 2 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Crompond Elementary School
- 3 - 6 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Robert E. Bell MS
- 7 **Haverstraw/Marina**  
(10-1) & (2-5) ARC of Rockland
- 8 **PEEKSKILL/CHARLES POINT DOCK**  
(9) Volunteers; (AM/PM) Maintenance
- 9 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) & (1-4) St. James the Apostle School
- 10 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) & (1-4) Lakeview Elementary School
- 11 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) Lakeview ES; (1-4) Siwanoy ES
- 12 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) Bedford Road School; (1-4) TBA
- 13 **PEEKSKILL/CHARLES POINT DOCK**  
(9-12) & (1-4) Bedford Road School
- 14 **PEEKSKILL/CHARLES POINT DOCK**  
(2-5) Ferry Sloops, Inc; (6-9) Member Sail
- 15 **PEEKSKILL/CHARLES POINT DOCK**  
(9) Volunteers; (AM/PM) Maintenance/Transit
- 16 **NEWBURGH/TOWN LANDING**  
(9-12) & (1-4) South Avenue School
- 17 **WEST POINT/SOUTH DOCK**  
(9-12) Monticello C.S.D.  
(1-4) Horizons-on-the-Hudson
- 18 **WEST POINT/SOUTH DOCK**  
(9-12) & (1-4) Gidney Avenue Magnet School
- 19 **NEWBURGH/TOWN LANDING**  
(9-12) & (1-4) Gidney Avenue Magnet School
- 20 **CROTON POINT PARK (OFF-SHORE)**  
(AM/PM) CLOSED
- 21 **CROTON POINT PARK (OFF-SHORE)**  
(10-Dusk) Great Hudson River Revival!  
(Public Sails Throughout the Day)
- 22 **CROTON POINT PARK (OFF-SHORE)**  
(10-Dusk) Great Hudson River Revival!  
(Public Sails Throughout the Day)
- 23 **CROTON POINT PARK (OFF-SHORE)**  
(AM/PM) CLOSED
- 24 TBA
- 25 **Haverstraw Marina**  
(9-12) Camp Ramah; (1-4) TBA
- 26 - 27 TBA

# SPRING 2003 SAILING SCHEDULE

SCHOONER MYSTIC WHALER

DATES, TIMES AND LOCATIONS ARE SUBJECT TO CHANGE

## APRIL

- 7 **YONKERS/CITY PIER**  
(9-12) & (1-4) Springhurst School
- 8 **YONKERS/CITY PIER**  
(9-12) Springhurst School; (1-4) TBA
- 9 **Haverstraw Marina**  
(9-12) Ramapo Freshman Center  
(1-4) Navy Junior ROTC-N.Rockland H.S.
- 10 **YONKERS/CITY PIER**  
(9-12) & (1-4) Rippowam Cisqua School
- 11 **NYC/79TH STREET BOAT BASIN**  
(9-12) & (1-4) Public School 214Q
- 12 **ALPINE BOAT BASIN**  
(10-1) Girl Scouts-Park Ridge; (2-5) TBA
- 13 **NYC/79TH STREET BOAT BASIN**  
(9) Volunteers; (2-5) CLOSED
- 14 **NYC/79TH STREET BOAT BASIN**  
(9-12) PS 295; (1-4) Middlesex Cty VoTech.
- 15 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) Mark Twain M.S.; (1-4) Holdrum M.S.
- 16 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) & (1-4) The Petrides School
- 17 - 19 TBA
- 20 **NYC/79TH STREET BOAT BASIN**  
(9) Volunteers; (2-5) TBA
- 21 **Haverstraw Marina**  
(9-12) TBA; (1-4) Girl Scouts-Rockland
- 22 **Haverstraw Marina**  
(9-12) & (1-4) Increase Miller ES
- 23 **YONKERS/CITY PIER**  
(9-12) & (1-4) Bronxville Elementary School
- 24 **YONKERS/CITY PIER**  
(9-12) Christopher Stutler Sail;  
(1-4) Bronxville ES; (6) Girl Scout Troop #514
- 25 **ALPINE BOAT BASIN**  
(9-5) Girl Scout Troop #514
- 26 **LIBERTY STATE PARK/SOUTH DOCK**  
(10-1) Girl Scout Council-Ocean County  
(2-5) Girl Scouts #441-Fanwood
- 27 **NYC/79TH STREET BOAT BASIN**  
(9) Volunteers; (2-5) TBA
- 28 **ALPINE BOAT BASIN**  
(9-12) Evergreen Academy  
(1-4) Assumption School
- 29 **NYC/79TH STREET BOAT BASIN**  
(9-12) Public School 183; (1-4) TBA
- 30 **NYC/79TH STREET BOAT BASIN**  
(9-12) PS 183; (1-4) Fannie Lou Hamer High

## MAY

- 1 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) Eric Smith Middle; (1-4) TBA
- 2 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) & (1-4) Eric Smith Middle
- 3 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) Girl Scouts-Rolling Hills  
(1-4) Girls Scouts-Independence Township
- 4 **NYC/CHELSEA PIER 62**  
(9) Volunteers  
(2-5) Elem.School Science Assoc. (ESSA)
- 5 - 6 **YONKERS/CITY PIER**  
(9-2) Riverdale Country School

## JUNE

- 7 - 8 **ALPINE BOAT BASIN**  
(9-4) Womanship, Inc.
- 9 **NYC/79TH STREET BOAT BASIN**  
(9-4) Womanship, Inc
- 10 **ALPINE BOAT BASIN**  
(10-1) Girl Scouts-Bergen County; (2-5) TBA
- 11 **LIBERTY STATE PARK/SOUTH DOCK**  
(9) Volunteers; (2-5) College of Staten Island
- 12 **LIBERTY STATE PARK/SOUTH DOCK**  
(9-12) & (1-4) Eastern Christian Middle
- 13 **ALPINE BOAT BASIN**  
(9-12) Lakeside Middle; (1-4) Memorial ESI
- 14 - 15 **ALPINE BOAT BASIN**  
(9-12) Willard School; (1-4) Memorial ES
- 16 **NYC/79TH STREET BOAT BASIN**  
(9-12) Saint Hilda's & Saint Hugh's  
(1-4) Brooklyn Technical High School
- 17 **LIBERTY STATE PARK/SOUTH DOCK**  
(10-1) TBA; (2-5) TBA
- 18 **NYC/79TH STREET BOAT BASIN**  
(9) Volunteers; (2-5) TBA
- 19 **YONKERS/CITY PIER**  
(9-12) & (1-4) SPLASH
- 20 - 21 **YONKERS/CITY PIER**  
(9-12) SPLASH; (1-4) Fieldston Lower School
- 22 - 23 **YONKERS/CITY PIER**  
(9-12) & (1-4) SPLASH
- 24 - 26 **WEST POINT/SOUTH DOCK**  
PUBLIC SAIL: Memorial Day Sail
- 27 - 29 TBA
- 30 **WEST POINT/SOUTH DOCK**  
(9-12) Tuxedo Park School; (1-4) TBA
- 31 **Haverstraw Marina**  
(10-1) TBA; (2-5) Cub Scouts #79-New City



For the last seven spring seasons, the schooner Mystic Whaler has sailed up from Mystic, CT to help Clearwater provide educational programs for thousands of Hudson Valley students.

## MEMORIAL DAY WEEKEND SAILS ABOARD THE SCHOONER MYSTIC WHALER

**BACK BY POPULAR DEMAND! EXPLORE THE DRAMATIC HUDSON RIVER HIGHLANDS**

Clearwater is co-hosting 6-hour sails aboard the schooner *Mystic Whaler* on **Saturday, May 24, Sunday, May 25, and Monday, May 26.** Sail the Hudson River Highlands, one of our nation's most important landscapes.

The peaks of Storm King and Bear Mountain presided over crucial moments in America's history, including decisive Revolutionary War struggles, the advancement of the Hudson River School of painting, and many milestones of the modern environmental movement. The natural and physical history of the region is equally fascinating, from restored marshlands to the deepest realms of the Hudson River.

**TO SIGN UP, PLEASE CALL THE MYSTIC WHALER OFFICE 1-800-697-8420**

Each sail will board from West Point's South Dock at 9:30 am, returning at 4pm. Transportation from the Garrison train station across the river will be available. A delicious lunch will be provided, along with sail-raising fun, musicians, science and cultural programs, guest speakers, and plenty of opportunities for sight-seeing and photography. Cost: \$80 per person.

## What do these Hudson River initiatives have in common?

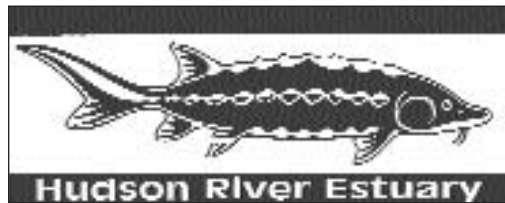
1. Using sonar, scientists map the river bottom, revealing previously unknown features such as ten-foot high sand waves, prehistoric oyster reefs, and shipwrecks – perhaps including a Hudson River sloop.
2. By placing tiny radio transmitters in smallmouth bass, biologists track these gamefish and pinpoint habitats critical to their survival.
3. Along tributaries, schoolchildren collect water quality data – identifying indicator species and performing chemical tests – and then share results on the web and face-to-face at regional conferences.
4. By studying the occurrence of mink and otter and levels of toxic chemicals in their bodies, researchers gage the impacts of PCB contamination on these river-dependent mammals.

These are just a few of the many projects undertaken through the Hudson River Estuary Program (HREP) of New York State's Department of Environmental Conservation. Its goal: develop a management plan to protect and conserve the Hudson's natural resources to sustain a wide array of human and ecological benefits.

Clearwater was a key advocate of legislation that created the estuary program in 1987. In 1996 the program received a boost when Governor George Pataki released the first Hudson River Estuary Action Plan and committed \$6 million to the program from the state's Environmental Protection Fund. EPF funding has continued at or near that level since. (The governor's proposed fiscal 2003-2004 budget includes \$5 million for the program.)

The HRE Action Plan emphasizes research vital to managing fish, wildlife, habitat, and

other natural resources. Examples include ongoing surveys of shad and striped bass populations and mapping submerged underwater vegetation. Its work extends into the watershed to promote stewardship of tributaries and protect the Hudson Valley's rich biodiversity. Did you know that 83% of the state's birds, mammals,



reptiles and amphibians occur here? The Estuary Program's interests go beyond fish and wildlife to the valley's human inhabitants, promoting public understanding, ecologically sustainable access, and opportunities to enjoy the river. HREP has protected open space, renovated boat launches, and sponsored education efforts

including eagle watches and publication of the Hudson River Almanac. The program has provided more than \$4 million in grants to community-based projects including Clearwater's education programs.

The most visible estuary program initiative is placement of the sturgeon logo signs at bridges over tributaries and the mainstem Hudson. This project, like many others, was accomplished through partnerships - in this case with the state Department of Transportation and the Thruway Authority. The signs remind us of the connections

between the Hudson and its watershed and create an ecological sense of place for residents and visitors.

For more information, visit DEC's website at [www.dec.state.ny.us](http://www.dec.state.ny.us) and click on the Programs button for a list of links including the HREP.

## MUSIC HATH CHARMS

Clearwater is no stranger to the power of song. It seems a natural progression that Clearwater now offers among our educational opportunities, a songwriting workshop designed to introduce, enhance or follow up Hudson River study.

Tideline Discovery Program Coordinator and Curriculum

Specialist Linda Richards is our roving songstress. Her formula is simple: The school day begins with an assembly featuring Hudson River slides, songs and an explanation of the songwriting workshops to come. Back in the classroom, Linda selects a simple tune with the kids and brainstorms a list of words related to a Hudson River topic. Drawing on her 23 years of teaching experience, she then guides the students as they weave their words into the song. The day ends with a performance for the entire

group of each class's song parody. The results are amazing!

Younger audiences are captivated from the start. "The eighth graders I've worked with start out slouched back in their seats, arms folded with an expression on their faces that say, 'Go ahead, TRY to engage me'." By the last ten minutes of the

workshop, they're hanging over their desks with their hands up - trying to cram in one more rhyming stanza. It's a great feeling," says Linda.

Many NYS learning standards are being met, but a song does something else as well. A song gets into your

heart. Connecting topics with music reaches a different part of our being. We remember the songs long after we've forgotten the final exams.

A song can be the vehicle that drives a thought home.



Ostrander Elementary School children sing their parody with Linda.

Here is the last verse of a parody of "Take Me Out to the Ball Game" written this past January by Ms. Cerutti's second grade class at Ostrander Elementary School:

**Take Me Out to the River,  
take me onto a barge -  
show me some red and green  
buoys, please,  
if it's too shallow, I will hit  
the trees!  
And it's look, look, look at the  
moonshine -  
the water reacts to the tide.  
From the shore - to - the  
channel we go while the  
lighthouse shines!**

### VOLUNTEER SLOTS AVAILABLE!

The days are warming up, and the sloop is almost ready to sail. To become volunteer crew for a week aboard the *Clearwater* and *Mystic Whaler*, please e-mail the On-Board Educators at [office@clearwater.org](mailto:office@clearwater.org) or call them at (845) 454-7673.

You can also download an application from [www.clearwater.org](http://www.clearwater.org).

### SAVE THE DATE!

Songs of the River with Rick Nestler and Rik Palieri Clearwater Benefit Concert at the Turning Point Cafe in Piermont. Tuesday, April 1st. Call (845) 359-1089 for tickets \$10.00 admission.

## STOPPING BY A CLASSROOM



Bridget Kenny (center) and students from Clinton Elementary in Poughkeepsie.

While ice crackles and pops on the banks of Esopus Meadows Point Preserve – site of Clearwater's Tideline Discovery Program – our AmeriCorps Educator, Bridget Kenny looks for someplace warm and toasty to teach about the Hudson River.

This winter Bridget had the opportunity to visit over 400 students in the Kingston and Poughkeepsie City school districts, bringing Clearwater and the Hudson River to their classrooms.

## ON A SNOWY DAY

Topics covered during her forty-minute presentation include Hudson River ecology, history, and human use, as well as environmental issues and advocacy efforts in the Hudson Valley.

"The students are very enthusiastic," says Kenny. "I think just being able to talk to somebody who works on river issues is a good experience for them. They not only get to learn about some amazing creatures that live in the Hudson, they also get to see that

people really are working on environmental issues, and that citizen action makes a difference." Says one fourth grade teacher, "River and environmental education is so crucial. Ironically, it seems that the City of Poughkeepsie children – although they live closest to the river – haven't always had the chance to learn about it!"

Spring will be here before you know it, and Bridget's energy will be focused on field trips scheduled

for the upcoming season of Clearwater's Tideline Discovery Program. The students Bridget is visiting now are enrolled in the Tideline program and will meet her again after the ice has thawed, for a glorious day on the banks of Esopus Meadows.

Bridget Kenny is in her second term as a Clearwater Educator through the Youth Resource Development Corporation's AmeriCorps program.

# A huge thank you...

... to our 5,323 generous donors who gave between \$1 and \$999 in fiscal year 2002.  
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