



Clearwater navigator

SPRING 2010



 *Creating the Next Generation of Environmental Leaders*

HUDSON RIVER SLOOP CLEARWATER, INC.

724 Wolcott Avenue, Beacon, NY 12508
P: 845-265-8080 F: 845-831-2821
office@clearwater.org; www.clearwater.org

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We'd also like to acknowledge Captain John Eginton and his crew on the *Mystic Whaler* for their support during the spring sailing season.

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Editor: Linda Richards

Designer: Rebecca Zilinski

from the helm

Dear Clearwater Nation,

40 Years ago we celebrated the first Earth Day and launched our first generation of environmental leaders.

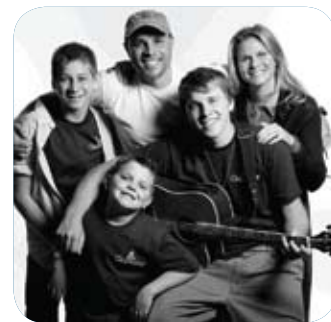
I remember the fervor and excitement as a boy. I was a youth in an emerging environmental movement right here on the Hudson River. We were eco-warriors fighting to take back our beloved Hudson from the Goliath of Industrial Age pollution. Who remembers the stench of raw sewage, the witches' brew of industrial effluent, and the tons of garbage that made our Hudson River the front lines of the war on pollution?

Most had given up hope... Earth Day was our rallying call to gather fellow eco-warriors. Clearwater, Scenic Hudson and Riverkeeper were allied tribes, brave and committed to their niche on the River. I felt the spirit of the Clearwater clan even back then... festivals, a majestic sloop, opportunities to fight on the front lines, and grassroots action.... I still hear the clarion beat of the banjo urging us to press on!

We took on GE, Indian Point, government apathy, municipal sewage, illegal dumping, and the massive challenges of industrial era pollution. Against all odds we turned the tide and the Hudson River returned. This battle emerged as the great victory that helped create the first generation of environmental leaders, established the Environmental Movement, and opened the possibilities for a new day and a new world.

Today as we celebrate the 40th year of Earth Day, our environmental movement is more akin to "what does the future hold?" Hard fought victories must still be protected – some old battles like GE and Indian point still loom. But after a generation, Clearwater is excited about an emerging new paradigm in the environmental movement. Where instead of fighting polluting industries, we are encouraging new green businesses. Instead of the old conflict of jobs vs. the environment, now we must create green jobs that are good for the environment. Instead of looking at the polluted cities as the problem, we see green cities as the most environmentally conscious choice for people's lives and work. Instead of a homogenous tribe of eco-warriors, we are recruiting a new heterogeneous diversity that represents all the people on our river.

Our children are at our sides and our future hangs in the balance... in place of a collapsing unsustainable industrial economy we are putting the Eco into Economy and creating a new sustainable green future... and after 40 seasons of Clearwater and 40 Earth Days... *I still hear the clarion beat of the banjo urging us to press on!*



Creating the Next Generation of Environmental Leaders

Sprinkled throughout this issue you'll find several examples of how Clearwater is creating the Next Generation of Environmental Leaders. We hope you'll enjoy reading about our Power of Song Apprenticeship Program, Camp Clearwater, the Winter Apprenticeship Program, Clearwater's Youngest Member, and our newest regular feature, the Student Spotlight (pictured at right).



STUDENT SPOTLIGHT: Elisabeth Raskopf, 18 North Salem, NY

Involvement with Clearwater: Liz began volunteering with Clearwater five years ago at the Clearwater Festival. She annually serves on the festival's sign painting committee.

Last summer, she spent one week aboard *Clearwater* as a volunteer educator, and this past winter she bundled up and joined the crew for a weekend in Saugerties as a winter maintenance volunteer.

Liz has also been very involved in the Revamp the Camp renovation project at our new headquarters in Beacon. She assisted in the building and planting of the organic garden. She also rolled up her sleeves on numerous Saturdays to help ready our new office space, and most recently she helped install the floor in the crew quarters.

Leadership Experience: Liz used her experience at Clearwater to start an environmental club at her high school. She has also successfully recruited friends to volunteer for Clearwater.

Career Interests: Working in environmental policy and energy use regulation.

on the cover



At approximately 5:15pm on April 24th, Esther Whitmore, winter mate, at the tail end of a year's commitment to Clearwater, pounded home the final boat nail on the last plank of the 2009-2010 Bow Restoration project.

Photographer:
Dave Conover

Each issue, the Navigator will highlight a student that represents the type of youth environmental leader that Clearwater is aiming to cultivate through its Next Generation Legacy Project.

Camp Clearwater 2010

In its second year, Camp Clearwater offers another layer of Hudson River education

By Angel Martinez, Camp Director

Camp Clearwater is an adventure-based leadership program, where students develop self-confidence and learn new skills. Upon completion of the program, they will have first-hand experience of the history, ecology and culture of the Hudson River Valley while developing knowledge and respect for the natural world.

Our program is facilitated by highly trained, and experienced instructors. At the end of the program, students see that they are stronger and better equipped to take charge of their own lives while making a positive difference in the world around them.

This summer we will be running four ten-day sessions, being offered for young people between the ages of 13-15. All meals, transportation and specialized equipment will be provided during the program. There are currently a limited number of scholarships available.

To apply, please contact the camp director, Angel Martinez. We are looking forward to an exciting and powerful season!





Program Dates:

Session One: Backpacking, Rock Climbing & Kayaking

Dates: Wednesday, July 7 - Friday, July 16
10 Day Expedition; Tuition \$995

Session Two: Native American Fur Trader Canoe, Organic Farming & Power of Song

Dates: Thursday, July 22 - Saturday, July 31
10 Day Expedition; Tuition \$995

Session Three: Backpacking, Rock Climbing & Kayaking

Dates: Friday, August 6 - Sunday, August 15
10 Day Expedition ; Tuition \$995

Session Four: Native American Fur Trader Canoe, Organic Farming & Power of Song

Dates: Saturday, August 21 - Monday, August 30
10 Day Expedition; Tuition \$995

For more information, please contact Angel Martinez, Camp Director, at angel@clearwater.org or (845) 265-8080 ext 7161.

Native American Fur Trader Canoe

History and the culture of the Native Americans from the Hudson River Valley will be examined. Participants will explore the Hudson River while on a 34 foot Native American Fur Trader Canoe.

Organic Farming

A hands-on understanding of organic farming, watersheds and an introduction to green jobs will be gained.

Power of Song

The Power of Song is an interactive learning experience that exposes students to socially conscious music and empowers them to be active on issues that concern them.

Kayaking

The group will complete a full day of training, then embark on a multi-day expedition. Along the way they will explore the life and history of the Hudson River and participate in water ecology activities.

Backpacking, Rock Climbing

Students will learn "leave no trace" practices and land navigation and also climb a true rock face. This will develop principles of environmental stewardship and build self-confidence.



Citizen-Science Eel Research

By Chris Bowser, Science Education Specialist
NYSDEC Hudson River Estuary Program and Research Reserve

The New York State Department of Environmental Conservation engages dozens of students, community members, and organizations to study the springtime migration of American eels into Hudson River tributaries. Teams of citizen-scientists check special nets daily to catch, weigh, and release the tiny two-inch "glass eels" recently arrived from the Atlantic Ocean. Environmental conditions and river herring are also monitored. The information will be used to inform state and regional conservation efforts, and the project is a great education in field science. "It pushed my limits. I never thought that I would touch an eel," said Poughkeepsie High School student Tylie Wilks. "I finally conquered my fear, and I like it. It's cool!"

These efforts are supported by the NYSDEC Hudson River Estuary Program and National Estuarine Research Reserve, as well as the Water Resource Institute at Cornell University, National Audubon's TogetherGreen program, Hudson River Valley Greenway, and many other partners.

For more information, check out <http://www.dec.ny.gov/lands/49580.html> or email Chris Bowser at chbowser@gw.dec.state.ny.us.



Photos by Chris Bowser

**SPECIES PROFILE:**

The Mysterious Eel

By Eli Schloss, Tideline Director



Many of our loyal *Navigator* readers look forward to the blooming of the shadbush as the harbinger of spring and the beginning of the seasonal migration of fish. Herring, shad, and the returning striped bass are well documented in science and song, but another spring migration occurs, somehow in an opposite way.

The North American Eel is catadromous. Unlike the other seasonal runs, eels are born in the ocean and migrate to the estuaries and rivers to live. This life cycle is still full of mystery. Aristotle believed eels were generated from horse hair. We have learned much since then, and important research continues here in the Hudson Valley (see inset), but we do not know at what depth, or specific geographic location eels spawn. We have never seen eel eggs or a live adult specimen near the spawning grounds. The earliest evidence we have is the 1/2 inch larvae called leptocephali, or thin-head, found in the Sargasso Sea east of Bermuda. They resemble a transparent willow leaf and can move up and down in the water column, but are at the whim of the current. They become entrained in the Gulf Stream, Florida Current, and Antilles Current, and so each eel must be prepared to reside in Newfoundland or Nevis, Jamaica or Jamaica, Queens, depending on its planktonic trip.

Once they approach the coastal estuaries they become glass eels. More eel-like, but still transparent, they are stronger swimmers and head towards the smaller tributaries. Once in the estuaries,

they become pigmented and are known as elvers. Elvers grow into yellow eels, a stage that can last up to 30 years. Most males stay near the ocean, in the estuary and tidal fresh water systems. The females live longer, grow larger, and tend to travel farther from their spawning grounds. Eels have been found in Iowa river systems, and can travel overland as long as their skin stays moist. They dine on aquatic invertebrates, amphibians, and fish and have a real taste for striped bass eggs and blue crabs.

When the Sargasso calls them back, eels transform once again to silver eels with large dark eyes and blackish-silver skin. They stop eating and descend the rivers on the darkest nights. They travel at the bottom of the sea—some two miles below the surface. All eels from throughout their range, Greenland to Central America, converge on the spawning waters at about the same time. This is remarkable considering the vastly different distances they must travel. Northern fish leave much sooner to arrive “on time.” Despite the enormous geographic range of the species, all American eels comprise a single breeding population. (footnote) Eels spawn once and die.

So as you contemplate the shadbush and forsythia, think of the remarkable and indefatigable glass eel. Spring fever is on for millions of them ascending our river seeking a home.

[footnote: *Gulf of Maine Times* vol. 9 no. 2, “Where have all the Eels Gone?”]



THE DREAM TEAM

Pictured above: Emily Wolford, Maija Niemistö, Sarah Linden-Brooks, Phil Frandino, Julie Gilgoff, Aubrey Gellegos and Nina Sander.

In the Beginning

Education training the Clearwater way

By Bridgett Jamison, Education Intern

I am one of six new educators and interns to the Clearwater organization. And like my peers, I arrived groggy-eyed to the Beacon office on my first day of work. I awaited what I expected to be a dreary week of power points and lectures. Instead, I was quickly engulfed in a weeklong frenzy of education and action.

A hike to the top of Mt. Beacon began the internship. This was followed by an enthralling account of the Hudson through history, kayaking, song training, seining, and fish identification. Then there was more training on macro-invertebrates, invasive species, PCBs, climate change, Indian Point, land use and a host of other topics. The plethora of information left my head reeling. But the passion of our instructors was also inspiring and infectious. I began to yearn for the opportunity to begin teaching. In what little time we had between workshops, we supported the crew of the *Clearwater* in their overwhelming job of repainting the hull. Outfitted in a full body Tyvek suit and mask I scrubbed the bottom of the boat until my muscles ached.

Friday night arrived and I was exhausted and dirty as Maija ushered us to the train. Three hurried subway rides and a short walk later, I found myself staring at the *Mystic Whaler* though the faint glow of the NYC light pollution. Having never seen a tall ship before, it was an astounding sight dwarfed only the hospitality of the crew. We were shown our private cabins (complete with chocolates on the pillows), and hot showers. Then we rushed to a candlelight dinner

of fresh salad greens, French bread, and lasagna. It was far from the dingy bunk beds and watery soup that I expected.

That first week aboard the *Whaler* was no vacation. I found myself straining to learn simultaneously the ways of the sailor and educator. Someone might scream out, "Pull the line on the starboard foresail halyard...with peak even with the throat." At this, I would stare back with a look on black confusion having only understood the word 'Pull.' But with the help of an incredibly patient crew, I learned fast. By the week's end, I was proudly splicing line and furloughing the jib.

Learning to be an educator on a floating, fast moving classroom was even more overwhelming. After a day of shadowing experienced educators, I sat before a group of wide-eyed fifth graders, pushing past each other to look at an eel, as I shouted the uses of a dichotomous key over their cries. But practice makes perfect and we got a lot of practice that first week from 3rd to 11th graders. By Friday, I felt like an expert.

These first few weeks have been incredible. I want to thank the patient crews of the *Mystic Whaler* and *Clearwater* who unwearingly answered my inquires about the difference between a cleat and pin or baggy wrinkle and sheet. Moreover, I am very grateful for the enthralling lessons from local scientists and Clearwater staff through which I learned the material I now teach. I would honestly describe the whole thing as 10 times cooler than even my best expectations.

Chart the course of a lifetime

By Europa McGovern, Winter Apprentice

I remember feeling a flutter of anticipation as we poured off the school bus that glorious sunny day eighteen years ago at the dock in Staten Island. Any school trip was exciting, but that day we were to sail on the *Clearwater* Sloop, so it was a really special day! I was in sixth grade, eleven years old, and I had no way of knowing then how that day would impact me and affect my future as well.

We sailed off the pier into New York Harbor; for two hours the feeling of sailing, the wind and the sun, the pitch of the ship in the water; the peacefulness and beauty of even such a busy place as that harbor called to me. The crew were amazing and so enthusiastic to share their passion with us, and took us around the ship teaching us about the 19th century sloops which *Clearwater* was a replica of. We ran up the fishing flag and trawled, and learned about every fish we hauled out of the net that day, and the impact human's action had on the Hudson River and its wildlife. We enjoyed a moment of silence, to be broken only by one of the crew's acoustic guitar softly

For two hours the feeling of sailing, the wind and the sun, the pitch of the ship in the water, the peacefulness and beauty of even such a busy place as that harbor called to me.

strumming, and we all joined in the song before we had to get back to school, and back to our normal everyday lives. I walked down the gangway and back on to the bus feeling a change inside of me. I already loved the outdoors and had been made aware of environmental issues by my parents, but sailing

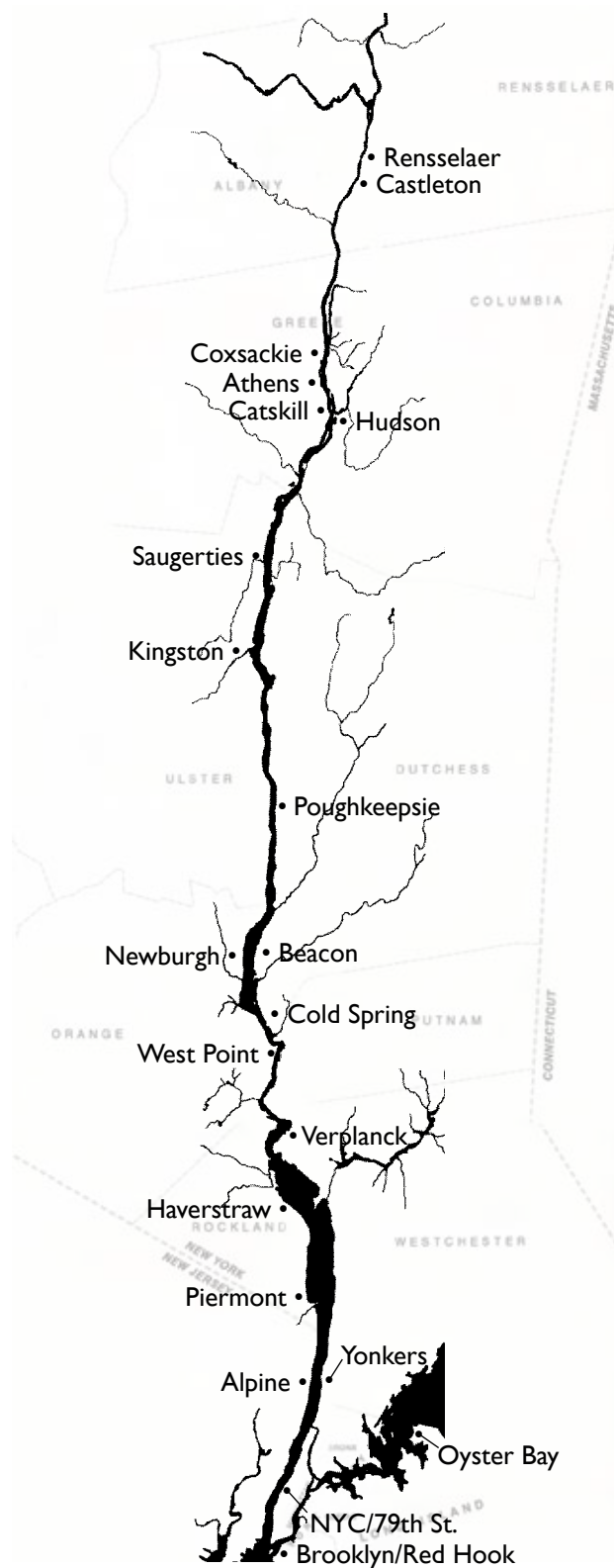
(especially on the *Clearwater*) – here was something I knew that perhaps I could love as much as riding horses or hiking. At eleven years old to be that certain of anything was a breakthrough.

Now eighteen years later, here I am, working as an apprentice this winter on the *Clearwater*. Amazing how that little sail could have such an impact! My friends and family ask me “so are you sailing?” and I have to tell them no, not yet. I try to explain how I have been living on a houseboat with the crew that is attached to a barge that the *Clearwater* is up on – how to explain the beauty of it? I see their puzzled expressions until I launch off happily into describing every detail of the important winter maintenance work the crew is doing as they do every winter, and how I am lucky enough to be able to help out and to learn. That is truly the beauty of the *Clearwater* and their mission – to teach people of all ages about sailing and the river sloops, about the Hudson River and its history, and how we can enjoy its beauty and someday restore it to its pristine state before it was damaged so badly – and how they are willing to share this with people of all ages, not just the schoolchildren that are lucky enough to go out on the educational sails. Here I am at twenty nine, feeling like I did that day as a sixth grader, and loving every minute of it.

This winter is an extra involved and special time to be part of the winter maintenance work – extensive work is being done

continued on page 10

Sail the Hudson!



Hudson River Map by Nora Porter

Book a spot on the *Clearwater* for your school, community group or family! Visit www.clearwater.org for schedule details.

Clearwater's Junior Apprentice Program

By Nina Sander, Education Specialist

Give her a lever long enough, and Katherine could move *Clearwater*. It's early March at the sloop's winter homeport in Saugerties, NY, and we are gathered here in the sun-dappled yard behind the woodshop to learn about simple machines. Kate and nine other middle-schoolers from The School at Columbia University are crowded around a giant lever made out of a sawhorse and 30-foot wooden plank.

"So what's it going to take to lift our load off the ground?" asks Captain Nick Rogers.

As Kate explains, that all depends on the placement of the fulcrum and how much force is exerted on the end opposite the load. The "load" in this instance is Arsalaan, who is perched nervously at the low end of the plank. Will he be vaulted into the air like a circus performer? After some discussion and readjustment, Captain Nick gives the command and the students push down on the lever with all their might. Arsalaan is gently lifted off the ground as cheers ring out from the crowd.

And so began the first-ever Junior Apprentice Program, a 2-day educational event organized by longtime Clearwater volunteer, Dave Lebson. Dave teaches middle school science at The School at Columbia University. As part of The School's project week, his students are studying the "science of sailing." They have come to explore some real-world applications of simple machines, but also to get a taste of what it's like to

live and work aboard a hauled-out vessel.

In addition to fun with levers, students explored the concept of work and purchase using the boat's block and tackle systems. The task assigned to them: raise a palette loaded with firewood up to the loft in the woodshop. With brains and brawn, the team rigged a pulley system

with enough purchase to hoist the 200-pound palette 15 feet in the air!

After learning about the physics of work, our junior apprentices rolled up their sleeves and did some physical work of their own. Solomon, Devon, Zach, and Henry helped crewmember Chelsey pound rust off bilge weights, while Adrian, Samantha, and Rodda assisted Lara in servicing Clearwater's blocks. The kids emerged from below decks tired and covered in rust, dust and grease, but with huge smiles on their faces.

At the end of a very busy two days, the students gathered for a final muster in the shadow of *Clearwater's*

hull to share his or her favorite memory of the trip. Highlights included a moonlit hike out to the historic Saugerties Lighthouse, learning sea shanties with educator Maija Niemistö, building their own seaworthy vessels out of tinfoil and popsicle sticks, and time spent in *Clearwater's* cozy main cabin. All agreed when Owen shared the highlight of his Clearwater experience: "I liked working alongside the crew. It's nice to feel like part of a community."



Chart the Course... (continued from page 9)

to refurbish the hull after rotten wood was found last year during routine checks. When we all help the shipwrights pull a plank out of the steam box and hold it into place as it is clamped and then fastened on the hull, and to see it bend to take the curve of the ship is a beautiful process.

I have loved every minute of my experience as a winter apprentice - all those years of longingly checking the website, but being unable to apply because of being tied in to work and other obligations make me appreciate it even more now that I have been able to finally do it! What strikes me now as it did so many years ago is the passion of everyone working on the *Clearwater*; the crew, apprentices and interns, and especially the volunteers. I have spent countless hours with them in the sunlight sanding and varnishing the topmast, or down in the hold wire brushing rust off the bilge weights. As one volunteer, Rich Hines says "it's spiritual work for me" - he came to help after his band played at a couple of Clearwater events, which inspired him to cheerfully give hours of his time. Frank P. is another of the many whose passion has impressed me - he drives all the way up from N.J. to work alongside us every chance he gets.

My only regret is that I didn't make the time sooner to be part of the precious cargo this beautiful ship hauls up and down the Hudson - in the past it may have been goods for sale, food, and mail, but now it is a wonderful group of people with a noble mission. I feel lucky to be a part of it.

Welcome Nina!

Clearwater's new education specialist is Nina Sander. Nina is a graduate of Vassar College and is a M.A. candidate in Environmental Conservation Education at NYU. She has extensive teaching experience both in the classroom and onboard boats, having worked with the Living Classrooms Foundation (*Lady Maryland*) and the Ocean Classroom Foundation (*Harvey Gamage*). Nina has also served as a volunteer program assistant with Rocking the Boat. We are thrilled to have Nina as part of the Clearwater education team.



“Let us love winter, for it is the spring of genius.”

— Pietro Aretino

By Captain Samantha Heyman

It is amazing how time can be such a fluid thing. It was a long winter, cold and windy, with such an enormous and daunting project to accomplish. And yet, here we are, at the end of April getting through the finishing touches before we begin our sailing season. Time just flew by as the old wood came off and the new wood went on. In the fall issue of the *Navigator*, Captain Nick Rogers described this historic bow restoration project and the need for such a tremendous undertaking. This issue will herald the celebration of those who have now accomplished *Clearwater's* most extensive repairs in 35 years.

Each part of the puzzle came together to allow us rebuild a most crucial part of our beloved Sloop: from a State matching grant, to the procurement of the strongest and most beautiful white oak many of us have ever seen, to the alchemy of bringing together a skilled group of local contractors — the shipyard crew at Scarano's, the operator of the tug *Cornell* and the barge *Black Diamond* (our platform for the winter) and the shipwrights of Rondout Woodworking.

And we had the rare and wonderful opportunity to put this project on display for our neighbors and supporters, most of whom have never seen a 69 ton vessel out of the water; let alone the tools or methods used to rebuild it. Take a moment and think about how many things you own that are entirely handmade — then think of our 106 ft. sloop: the planking and framing, each nail and bolt driven in by hand, the metalwork forged by hand in the Hudson Valley, and spun oakum pounded into the seams (to create the watertight skin of the hull) by hand, foot after foot.

It has been a busy winter, and signs of spring are everywhere...and I don't mean the flowers. The boat is floating again, the new crew is aboard, the spars and sails are secure and ready to be set and the galley is stocked. Soon we will depart our cozy creek in Saugerties and those sails will be hoisted high by students of all ages — maybe it will be you

stretching your muscles — so take a look towards the river for a glimpse of the mighty Sloop *Clearwater* as she cruises by and be sure and join us this year:



Clearwater Crew:

lower row (around brine barrel), left to right: Sara Martin (First Mate), Aubrey Gallegos (Ed intern), Chelsea Fisher (Deckhand), Mandy Lamb (cook), Aleythea Dolstad (Bos'un). **back row** (left to right): Frank Puzzo (volunteer), Greg Heilers (April apprentice), Lara Gassland-Tatro (second mate), Esther Whitmore (offgoing winter mate), Isaac Henry (Engineer), Captain Nick Rogers, Chris O'Reilly (volunteer), Jill Caly (April apprentice)



Mystic Whaler Crew:

John Eginton (Captain, Relief Cook), Steven Porco (Mate), Patrice Beck (Mate), Laura Castanon (Deck Hand), Derek McGee (Deck Hand), Sarah Linden-Brooks (Educator), Phil Frandino (Educator) (not pictured here), Emily Wolford (Intern), Julie Gilgoff (Intern)



Crew Quarters

Renovation of the new Clearwater Center for Environmental Justice & Leadership in Beacon, NY continues. We're excited to announce that remodeling of the crew quarters is complete. The quarters consist of a bunk room that sleeps six and a lounge area. The space is outfitted with bamboo flooring and finished with no VOC paint.

"For the first time in Clearwater's history, we officially have year-round, dedicated on land crew housing," said Captain Samantha Heyman. "The housing allows us to have a base for past, present and future crew to operate while working on their own professional development, enabling Clearwater to recruit and foster a highly professional crew."

Clearwater would like to thank Don Raskopf, George Edlich, Solar Energy Management, Inc. and all the volunteers for their dedication and hard work on this project. A special thanks to Lumber Liquidators for their contribution of flooring.



Experience the river with your family and friends from the decks of *Clearwater* and the *Mystic Whaler*: Join a public sail! Check our online schedule at www.clearwater.org for the dates and times of the public sails nearest to you.

NYS Requires Indian Point to Switch to Closed-Cycle Cooling

By Manna Jo Greene, Environmental Action Director

Fish Decline Triggers Water Permit Denial

Because 10 of 13 signature Hudson River fish remain in steady decline, NY State recently ruled that the outmoded once-through cooling system that Indian Point Nuclear Power Plant has used since it began operation must be converted to closed cycle cooling, which would reduce fish mortality due to intake screen impingement, entrainment in the cooling system and thermal pollution by an estimated 97%. The two operating reactors, Indian Point Units 2 & 3, consume 2.5 billion gallons per day of Hudson River water, killing billions of fish, larvae and eggs per year. On April 2, 2010, NY State Department of Environmental Conservation determined that the operation of these units does not comply with New York State water quality standards under the Clean Water Act, and denied their request for section 401 Water Quality Certification (WQC). WQC is a required condition for operating the plants, whose current licenses expire in 2013 and 2015. To proceed, NY State has determined that Entergy must agree to retrofit the facility to use closed-cycle cooling, requiring the construction of huge natural draft cooling towers that could cost over \$1 billion and cause the plant to close for about two years. In 2003, Pete & Toshi Seeger, Andy Mele and other Clearwater members were plaintiffs in a lawsuit filed by current Board member Susan Shapiro and Assemblyman Richard Brodsky to urge the DEC to require closed cycle cooling for renewal of Indian Point's State Pollution Elimination Discharge System (SPDES) permit. Clearwater greatly appreciates the hard work of Riverkeeper, NRDC and Scenic Hudson for their legal tenacity in bringing this case to fruition and commends DEC for its carefully considered decision, which will protect the aquatic ecosystem and greatly enhance fish survival. For more information see: www.dec.ny.gov/permits/63150.html.

Indian Point Remains A Threat to Human Health and the Environment

Beyond killing fish, Indian Point has an abysmal track record, which includes a steam boiler rupture, transformer explosion, multiple siren failures, leaks of radioactive material into the groundwater under the plant, and numerous unplanned closures. In 2008, Clearwater filed an intervenor petition calling on the Nuclear Regulatory Commission (NRC) to require the following issues be addressed in Entergy's application to extend the operation of Indian Point Units 2 & 3 for an additional 20 years beyond their current 40-year license.

Leaks

Entergy's Environmental Report (ER) fails to adequately account for the Indian Point leaks and other discharges of radioactive isotopes into the environment. It has failed to consider the impacts of radioactive leaks on drinking water at the proposed Rockland County desalination plant in Haverstraw, just 3.5 miles across the Hudson, which will take 10 million gallons of water a day to produce up to 7.5 million gallons per day for Rockland's drinking water system. Clearwater is working with Riverkeeper on this contention.



Environmental Justice

Clearwater's unique contention is that the environmental reports also ignore the disproportionate health and environmental impacts – especially on communities of color and low income in the region.

Long-term On-Site Storage of High Level Nuclear Waste

The ER and draft Supplemental Environmental Impact Statement also fail to consider the potential safety and environmental impacts of long-term storage of spent, but still highly radioactive, fuel rods in fuel pools and dry cask storage on-site. Since Yucca Mountain is no longer designated as a national repository for nuclear waste, all nuclear power plant relicensing applications violate the NRC's "waste confidence ruling" that there is "reasonable assurance that safe disposal of high-level waste and spent fuel in a geologic repository is technically feasible." Because of the "significant legal and policy issues" posed by Clearwater, the Atomic Safety and Licensing Board sent the petition to the NRC Commissioners for ruling on application of the "waste confidence ruling" and the admissibility of the contention.

The following concerns have been determined to be "out of scope" of the severely narrowed relicensing process: Entergy and NRC staff failed to consider alternative and more sustainable sources of replacement energy, including energy efficiency and renewables; they ignored the risks posed by a severe accident or incident, such as a terrorist attack on Indian Point; and they failed to provide proof of a viable emergency evacuation plan that addresses current population density. To address these deficits, Clearwater has urged Congress to hold hearings on the unreasonable narrowing of the relicensing process and the NRC staff's excessive granting of exemptions, which can endanger public health and safety.

The hearing on our accepted contentions is expected to come before the Atomic Safety Licensing Board (ASLB) this fall. Clearwater has been working with Eastern Environmental Law Center (EELC), which has extensive experience in both nuclear relicensing and environmental justice cases, and hopes to have them represent us before the Board in these proceedings. We are also seeking a pro bono attorney to gain valuable experience by volunteering to assist with this case. Contributions are urgently needed to help pay for legal expenses and to support our work on this challenging issue.

Clearwater's Green Cities Initiative

The Clearwater Board of Directors continues developing a Green Cities initiative to weave together the various elements of Clearwater's work to inspire the next generation of environmental leaders and to help create a truly sustainable future for them with green jobs here in the Hudson Valley. Our watershed protection efforts in Kingston, Poughkeepsie and Beacon, and our Environmental Justice work in Peekskill will serve as prototypes for and entrees into our Green Cities initiatives. Research will include what is currently being done, what sustainability measures and scorecards exist, and what Clearwater's distinct role will be, so that we can partner efficiently. One suggestion is to provide an annual Green Cities award for a community that is taking major steps toward sustainability. Another is for Clearwater to ultimately place staff in major cities along the Hudson to help promote sustainability and inspire and guide youth to participate in the newly emerging green economy.

New Environmental Justice Associate

Clearwater welcomes Karla Raimundi, Esq., recently hired as our new Environmental Justice Associate, to work on a Green Stormwater Infrastructure planning grant in Beacon and Fishkill, to assist with the Community-Based Environmental Justice Inventory already underway in Peekskill, and to help create an ongoing Green Cities program that will weave together Clearwater's watershed protection and environmental justice work, while inspiring the next generation of environmental leaders by preparing them for green jobs in a sustainable economy.

Karla hails from Puerto Rico, where she received a J.D. degree from the University of Puerto Rico School of Law and worked on an innovative environmental justice project in La Perla, a poor and isolated community in Old San Juan. After moving here in 2006, she received an LLM in both Comparative Legal Studies and in Environmental Law from Pace University School of Law. Karla now lives in White Plains with her husband, Luis Chiesa. Because she is fluently bilingual, Karla will be



a valuable asset to Clearwater's environmental justice work in Spanish-speaking communities. Karla loves the outdoors, from the beaches and el Yunque Rainforest in Puerto Rico to skiing and hiking in the Hudson Valley.

ENVIRONMENTAL ACTION UPDATES:

Watershed Protection

Victor-Pierre Melendez is currently working with the Rondout Creek Watershed Council to draft a Watershed Management Plan, under an inter-municipal agreement among four municipalities in the non-tidal portion of the Rondout. He will soon expand this work to three tidal Rondout municipalities, with funding from the Hudson Valley Regional Council Green Infrastructure grant and NYS Department of State watershed funding. Karla Raimundi will be working with Victor on green infrastructure, focusing on Beacon and Fishkill. Following her maternity leave (welcome, Anna Elizabeth), Jen Rubbo will join them in Poughkeepsie and Hyde Park, as she continues her work implementing the Fallkill Watershed Plan. Our partners, Liz LoGuidice and Fran Martino, are making excellent progress in the Catskill and Stockport Creek watersheds in Greene and Columbia Counties as well.

PCB Update

Between 1947 and 1977, it's estimated that General Electric discharged 1.3 million pounds of polychlorinated biphenyls (PCBs) into the Hudson River from two plants at Hudson Falls and Fort Edward. After more than 50 years of contamination, the Environmental Protection Agency (EPA) issued a Record of Decision in 2002, calling for GE to clean up the highly contaminated hot spots in the upper Hudson, north of Albany. The actual cleanup began in May 2009 and is expected to take 5 or 6 more years. Last summer, during Phase I, GE's contractors dredged almost twice as much PCB-containing sediment and debris than expected from 10 of the

proposed 18 work sites -- but postponed 8 sites to Phase 2. This winter GE and EPA submitted their reports on Phase I to an independent Peer Review Panel. EPA is urging that the performance standards for resuspension, residuals and productivity be maintained, while GE wants them to be considerably relaxed. Clearwater strongly supports EPA's recommendations, specifically to:

- ◆ Initiate additional core sampling to better understanding depth of contamination (DoC) for Phase 2;
- ◆ Utilize deeper dredging passes to get to down to clean sediment more efficiently;
- ◆ Utilize additional control measures to prevent sediment or raw PCB oil that is resuspended from moving downstream and minimize the volatilization of PCBs into the air;
- ◆ Expand unloading capacity to shorten the time work sites are left exposed;
- ◆ Do not allow capping as a shortcut to meet an artificially tight productivity standard;
- ◆ Maintain productivity during each dredging season, but allow another year if needed -- because there is much more contaminated sediment to be removed than originally expected.

The Hudson-Greenland Connection Continues

Visit may lead to student exchange program

By Dave Conover, Education Director

In the previous *Navigator*, we wrote about a group of kids from Greenland that sailed with us last September. That was the second time the Children's Home in Uummannaq visited us and sailed on the sloop along with Clearwater founder Pete Seeger. I finally got the chance to visit Greenland this past March, thanks to Frank Landsberger, the person who originally arranged the Greenland sails. Frank linked me to a group called Cool (E)motion (www.coolemotion.org). They are based in the Netherlands and were seeking to place two sculptures on an iceberg in Uummannaq to highlight the impacts of climate change in the Arctic.

But the logistics of getting to Uummannaq are daunting. I had to fly to Copenhagen, then three separate flights to get to Uummannaq, a town of about 1,500 people about 360 miles north of the Arctic Circle on the west coast of Greenland. Uummannaq means, "heart-shaped" and is named for the distinctive mountain that dominates the landscape. Being on an island, the last flight to the town required a helicopter ride.

When I arrived, one of the first things I noticed were the dogs. Greenlandic dogs are a special breed, so special that no other breeds may be imported to the island. And they are tough. They spend all of their lives outside. These dogs are true working dogs, not pets. They live to pull sledges, but in Uummannaq they have been idle for months because of the ice conditions, the poorest in recent memory.

A warming Greenland means higher sea levels, and for the Hudson River this could have significant impacts on water supply, shore erosion, habitat loss, and infrastructure.

The traditional diets of seals, whales, and other marine life expose people to toxins that can migrate from places thousands of miles away, even from places like the PCB-contaminated Hudson River. Native peoples in the Arctic carry some of the highest "body burdens" of PCBs, pesticides, and other toxics in the world.

Even in remote Uummannaq, the rest of the world was curiously close at hand. There was a supermarket, a hotel, and the Internet. We used Skype to call the Clearwater office and sing with Pete Seeger, Clearwater educator Linda Richards and Steve Stanne of the DEC's Hudson River Estuary Program. It was a wonderful way to conclude the trip, but I'm hoping that this adventure may lead to an exchange program of some kind. Stay tuned!

I want to thank Frank Landsberger for making the Hudson-Greenland connection a reality along with Ann Andreasen and Ole Jorgen Hammeken of the Children's Home and the Uummannaq Polar Institute whose gracious hospitality was very much appreciated. I'd also like to thank Cool (E)motion for letting me help out with their project.





Pictured above, Uummannaq means “heart shaped” – the town is nestled at the base of the heart. Pictured below and at right, Dave visits the Cool (E)motion sculpture that kids from the Children’s Home decorated as the Greenland sledge dogs stand by. (Photos by Dave Conover)





CLEARWATER'S GREAT HUDSON RIVER REVIVAL

A Music & Environmental Festival

June 19-20, 2010 Croton Point Park, Westchester County

Dear Clearwater Community,

I'm honored to be the director of Clearwater's Great Hudson River Revival for 2010. It is a great privilege to be directing a festival that Pete Seeger founded and Toshi Seeger directed with so much heart and soul for many years.

For the 2010 incarnation of the Revival, we are looking to draw upon the greatness of the past while looking toward the future. We are returning to the 2008 model of the Rainbow as our main stage and the Hudson as our secondary stage. Artists to appear on these two stages include Steve Earle, Shawn Colvin, the David Bromberg Quartet, Joan Osborne, Keller Williams, Railroad Earth, Donna the Buffalo, the Felice Brothers, Rhett Miller, Jonatha Brooke, Dan Bern, David Amram, Tao Seeger, Steve Forbert, Lucy Kaplansky, Mike Doughty, Toshi Reagon, and many others. The full line-up can be seen at www.ClearwaterFestival.org.

New for this year is the renamed World Dance Tent with a bigger dance floor and bands from around the globe. The diverse roster features many different dance music styles and wonderful artists including Zydeco greats Buckwheat Zydeco and C.J. Chenier & the Red Hot Louisiana Band; Quebecois Cajun group Le Vent du Nord; Celtic artist and fiddle player of Riverdance Eileen Ivers; Contra Dance bands Nightingale and Jay, Molly & Peter; Eastern European brass band Slavic Soul Party; Columbian folkloric dance band Folklore Urbano; West African Balafon troupe Kakande; Bonga & The Vodou Drums of Haiti; and from New Orleans, The Subdudes and funk-soul band Brother Joscephus & the Love Revival Revolution Orchestra.

We are also adding a new stage called the Sloop Stage that will present diverse, grass-roots based artists during the weekend. The Sloop Stage will be located on the North Field.

Returning to their 2008 locations are the juried Crafts Area with over 40 exhibitors/vendors, Green Living Expo Tent, Arm-of-the Sea Theater, Activist Area, Story Grove and other field programs. Circle of Song returns to the North field by the Working Waterfront. The Discovery and Tideline tents will feature Clearwater's original hands-on environmental education programs and Hudson River research. The Environmental Action Tent will highlight Clearwater's watershed and environmental justice initiatives in cities up and down the Hudson River Valley. The sloop *Clearwater* and the schooner

Mystic Whaler will be conducting deck tours and sails throughout the weekend. These sails sell out quickly, advance reservations can be made at our festival website.

As always there will be plenty of family oriented programming with the Family Stage, juggling and roving artists, face painting plus lots of other activities and vendors for kids.

Pete Seeger will perform at various times during the two-day festival along with Revival favorites the Walkabout Clearwater Chorus (celebrating their 25th year!), Kim & Reggie Harris, Roger the Jester, Rick Nestler, Dog on Fleas, Roland Mousaa, Jay Mankita, Paul Richmond, among others.

Keeping with tradition, the entire festival is wheelchair accessible and most stage programming is staffed with American Sign Language interpreters.

It has been a pleasure working in collaboration with Will Solomon, Assistant Festival Director; the Clearwater staff and the inspired and dedicated festival coordinators and volunteers.

I look forward to seeing you in June.

All the best,

Steve Lurie, Festival Director



A Community Celebration of Clearwater and the Hudson River



The Great Hudson River Revival, Clearwater's annual music and environmental festival and fundraiser, features a wide spectrum of family-fun activities – world renowned musicians performing on multiple stages; superb storytellers and entertainers; a World Dance Tent; the Green Living Expo; a working waterfront with rides on tall ships, including the historic sloop Clearwater; a juried crafts fair, marketplace and food court; and a Circle of Song open to audience participation, all taking place in a beautiful riverfront park.

This year, Clearwater is bringing a tremendous lineup to its solar and bio-diesel powered stages, including:

Steve Earle ♦ Shawn Colvin ♦ Pete Seeger ♦ Joan Osborne
The David Bromberg Quartet ♦ Buckwheat Zydeco ♦ The Subdudes
Keller Williams ♦ Railroad Earth ♦ Eileen Ivers ♦ Donna The Buffalo
Steve Forbert ♦ Lucy Kaplansky ♦ Dan Bern ♦ The Felice Brothers
Jonatha Brooke ♦ and many more.

Pictured above from left to right:

*Buckwheat Zydeco, David Bromberg, Shawn Colvin,
Steve Earle, Joan Osborne, Keller Williams*

Attention Patron Fish!

Please remember to return your Patron Fish donations as soon as possible. Patron Fish donations go directly to supporting our upcoming Great Hudson River Revival, Clearwater's music and environmental festival. Whether you donate in the amount of a Hogchoker (\$50-99) or a Sturgeon (\$1000 or more), no donation is too small or large!

Please contact the Development Office at 845-265-8080 with any questions.

Volunteering for Revival

Volunteers are the lifeblood of the festival. By volunteering, you become part of a warm, lively and engaged community that is connected to the festival and Clearwater in a special way. Come join us, volunteer, share, and celebrate our work for the river.

Sails on the sloop Clearwater & schooner Mystic Whaler

Come sailing or take a deck tour during the festival. Reservations are currently available on the festival website.

Hudson River Discovery and Tideline Education Tents

Engage with hands-on ecology displays and exhibits.

Juried Crafts and Marketplace

Handmade and folk craft artisans display and sell their creations in the Crafts tent in addition to wider ranging products in the Marketplace.

World Dance Stage

Get your groove on with dance music from around the globe, genres include Zydeco, Cajun, Celtic, African, Haitian, Contra dance and Latin.

Story Grove

Listen to nationally renowned storytellers in a close listening environment.

Circle of Song

Join the chorus with music making for everyone. Audience participation is the only qualification here.

Children's Area

Carefully tended, non-competitive environment filled with interactive games and activities to teach, engage, and challenge kids and parents alike.

Working Waterfront

Exhibits and rides on a variety of boats, modern and traditional.

Tickets for the festival are now on sale at www.clearwaterfestival.org or at (845) 418-3596.

Clearwater's Volunteer Tradition

By Jonathan Wright, Volunteer Coordinator

One of the most powerful images you will see on the Hudson River this year will be hundreds of people working side by side to plan and host Clearwater's Great Hudson River Revival. The great legacy of Clearwater is the beautiful sloop in all her glory and the thousands of volunteers who helped raise the money to build the boat and thousands more who have helped over the decades to sail, educate and support this amazing organization.

From the early days of passing the hat at the Hudson Valley Folk Picnics in the 1960s and year after year since, volunteers have brought hard work, new ideas, great energy, and enthusiasm to life by the volunteering for the river through our work at Clearwater.

Clearwater's mission is pretty clear, to preserve and protect the Hudson River and its communities and to create the next generation of environmental leaders to carry on this work and this legacy. Volunteers are the life-blood of this great effort.

If you have been volunteering with Clearwater over the years, thank you for all your hard work and dedication. What a great team effort!

If you have not had a chance to join our volunteer team, come join us and volunteer this year with Clearwater. Clearwater is a grassroots organization built by individuals donating their time, energy and skills to preserve and protect the Hudson River and its communities. Come join us and volunteer with the Clearwater family!



Here are some of the ways volunteers have helped in the last year:

- ◆ Onboard Volunteers for the sloop *Clearwater* and *Mystic Whaler*
- ◆ Festival Volunteers at Clearwater's Great Hudson River Revival
- ◆ Office Volunteers
- ◆ Garden Volunteers
- ◆ Tabling and Outreach
- ◆ Grassroots Marketing Team
- ◆ Fundraising and Hosting a House Party
- ◆ Construction and Renovations
- ◆ Cause Musicians

To volunteer, go to www.clearwater.org, or contact Jonathan Wright at: volcoord@clearwater.org, or (845) 265-8080 ext. 7102.

Great Items for Summer!

Don't forget to visit the Clearwater Store at the Great Hudson River Revival for new and exciting items!

When you make a purchase from the Clearwater Store, you're not just buying a gift for yourself or a loved one – you're helping to support educational programs and environmental advocacy. In addition to the merchandise profiled below, please consider supporting your vision of a clean, green Hudson Valley by making a contribution or by purchasing a gift membership for someone you know. Your continued support keeps our river flowing and our beloved Sloop Clearwater sailing!

Baseball Cap

These classic caps are made from 100% cotton with Cool-Crown™ mesh liner to keep you cool while showing your support for Clearwater! Caps are available in Khaki, Red, Blue and Spruce. **\$15**



Stainless Steel Water Bottle

This 27 oz. water bottle sports out new logo. Keep yourself hydrated, reduce your carbon footprint and support Clearwater's mission. **\$18**



Clearwater Tote

(Made by Eco-Bags®)
Made from 100% recycled natural cotton fibers, this handy shopping tote is sturdy and perfect for trips to the farmers market or beach. **\$15**

Hudson River Chime™

Hudson River Chime™ from Woodstock Chimes
Enjoy the notes of this beautiful wind chime with each summer breeze. Made of sustainable bamboo, the Hudson River Chime is tuned to play Pete Seeger's song "My Dirty Stream," one of our favorite songs about taking care of our special river. **\$25**



Clearwater Concert DVD Set

The much anticipated 2-DVD set chronicling The Clearwater Concert, an all-star celebration of Pete Seeger's 90th birthday at Madison Square Garden in New York City last May, is now available for purchase online at www.seeger90dvd.myshopify.com. Over 40 renowned musical artists performed at the concert, including Joan Baez, Bruce Springsteen and Dave Matthews, putting their own spin on songs written or inspired by the legendary folk icon and making this once-in-a-lifetime gathering of multi-generational stars truly a remarkable birthday party. The price for the 2-DVD set is **\$35**.



To order:

Visit us online at www.clearwater.org and click on SHOP or call 845-265-8080, Ext. 7101

The Clearwater Concert benefited and helped raise awareness for Clearwater. Similarly, all proceeds for this remarkable DVD package will go directly to Clearwater to help further our mission to inspire, educate and activate the next generation towards a green future.



The Power of Song Apprenticeship Program

A Great Opportunity for young musicians who need to play "Music with a cause – not just because."

By Walker Rumpf, Power of Song Teen Participant

The above quotation was uttered by up and coming spoken word artist Decora, of the Readnex Poetry Squad, and it pretty much sums up everything the Power of Song is about. In a generation where complacency, indifference, and mediocrity is favored over action, positive change and originality, the Power of Song Program offers a distinctly poignant and powerful vehicle for young people to express themselves through music and artistry. The program runs every Wednesday night from 6:30 to 8:30 at the White House Clearwater headquarters in Beacon. The meetings take place about a beautiful oak table, and one is reminded of the knights of the round table, except we are not gathered here to fight barbarians or dragons – we are here to fight with our music.

The program is run by a diverse range of incredibly talented musicians and artists, who also have a penchant for integrity and putting purpose in their music. Linda Richards and Peter Seeger guide the teenagers in a night filled with history, deep thought, and of course, powerful song. Linda does an exceptional job at leading the students through various songwriting and historical activities, while Pete provides his often legendary insight and anecdotes on his life and his message. At ninety-one years of age, he still has the ability to astound a group of young people just with the sheer authenticity of his stories, whose subjects range from performances to hitch hiking, war to peace, history and family.

I find myself taking notes on Pete's words and songs, as he makes a point to describe their specific social and political contexts – for instance, his song "Snow, Snow" is about a cold winter in a town devastated by economic conditions and the absence of young men joining the workforce. This song's simple lyrics carry a very deep message, especially when Pete describes his inspiration for the song in his gruff, melancholy, yet hopeful tone – you know he's not messing around, or trying to get you to buy his new album. His sincerity is ingratiating, and the relevance of the issues he sings about really conjure up a sense of musical, even spiritual depth in the program, that cannot be found anywhere else.

Linda keeps the group occupied by asking relevant questions like "what issues bother you most about your generation?" The responses

from the young people are often timid at first, but as the meeting goes on, and the songs keep getting sung, the group begins to loosen up and speak about what is on their mind. The issues that resurface again and again concern laziness, war, poverty, education, videogames, nature, and technology. Many teens show surprise when asked about their opinions, as opposed to the regurgitation of information. The resulting feeling is refreshing and empowering to the youth, who have felt the first tremors of a program that will bring out the best of their perceptive and creative abilities.

The program is still in its initial phase, yet a lot of interest has already been shown. Renowned Jazz musicians and composers Gwen and Damon Banks offered their opinions on music, and also brought a very talented songwriter, Joe Krzyzewski, who sang an original song about the civil war, which also carried a very universal meaning and lyrics. His style was a combination of the Americana of Springsteen and the gruff vocal delivery of a modern Woody Guthrie. As soon as I heard this particularly insightful lyric "the men who wear suits control the men who wear boots," I knew that the Power of Song Program was attracting musicians rooted in a powerful musical ability. But don't be mistaken; this program is not just for the folkies. Every genre with a message is welcomed to the table. Decora, who was visiting our program, during his first break from a seven-month world tour, offered many insights. His musical stylings include Hip Hop, Jazz, Folk, Rap, bluegrass, and spoken word. Out of this musical stew, Decora's band The Readnex Poetry Squad coined the term "life" music – that is music whose power is not confined to a genre. The spirit of the program is not selective or favorable to folk musicians; diversity is encouraged, because it will help to extend the message to a wider and wider audience, and avoid the musical bigotry that puts limits on the power of song.

So come all! We need more young musicians! This program is a privilege and an awesome opportunity. The age range is 15 to 21 years. Bring any instrument, poetry, or idea that you want!

Contact Linda Richards at Linda@clearwater.org or (845) 265-8080 x 7105 for more info about the Power of Song.

thank you!

We'd like to thank the following people who gave so generously to Clearwater with a special gift, above and beyond their annual membership, between October 16, 2009 thru March 31, 2010.

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Meet Heidi Kitlas, our new Development Director!

Heidi received her B.S. degree from Boston University where she studied Communications and Economics. She grew up in northern New Jersey and has always loved the outdoors. She lived in Boston and San Francisco before moving to NYC where she most recently worked for The Trust for Public Land. For over six years she raised funds to support land conservation efforts throughout the Mid-Atlantic states. With a particular focus on NYC, she worked on two successful fundraising campaigns for a citywide community park/playground initiative serving under-resourced neighborhoods.

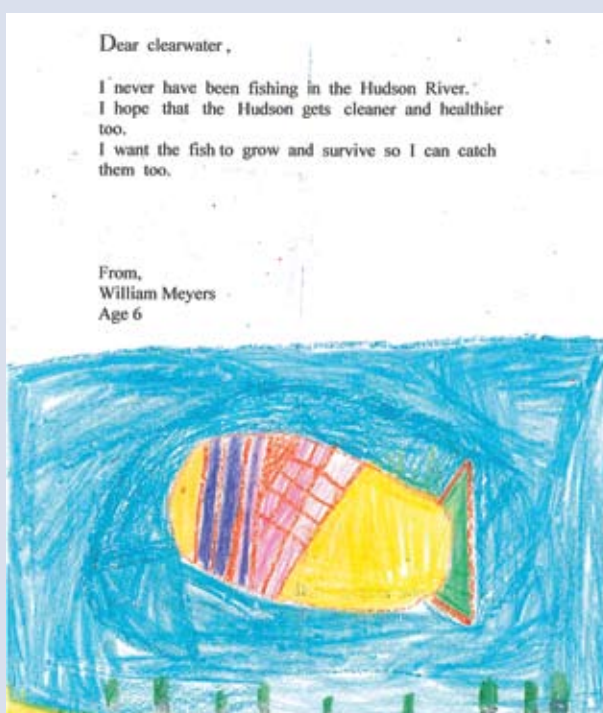
Heidi's dream of living along the Hudson River became a reality when she and her husband moved to Beacon in 2009. Heidi enjoys running, hiking, gardening, and the peace that living pocketed between the mountains and the river provides.

Excited to continue her work with environmental organizations, Heidi joined Clearwater in the spring of 2010 as part of the development team. She will help build and steward the fundraising efforts for the organization's education and environmental actions programs, restoration of the sloop, support of the endowment, and planned giving. Please contact Heidi at (845) 265-8080 ext. 7118 or heidi@clearwater.org if you would like to learn more about supporting Clearwater's efforts to inspire, educate, and activate the next generation of environmental leaders.



Everyone can be a member!

A letter from our youngest member, William Meyers.



Clearwater Promotes Environmental Justice

With grant funding from NYS DEC Office of Environmental Justice, the Peekskill Community-Based Environmental Justice (EJ) Inventory is well underway. The project includes an Angler Survey, originally developed in 1993 by Clearwater Environmental Director, Bridget Barclay. Clearwater's first Angler Survey helped get EPA to require General Electric to clean up the Hudson by making the connection between PCBs in the river and fish to human health via fish consumption. The revised Angler Survey, which will be administered again this summer along the waterfront from Verplanck to Annsville Creek, will help public health officials to understand whether local fishermen and women, many of whom are Hispanic immigrants, know about health advisories, which warn of the dangers eating Hudson River fish which contain elevated levels of PCBs, mercury and other contaminants. Dr. Joanna Burger of Rutgers, a leading expert in fish advisories, will train teams of volunteers to administer surveys early this summer. This information, gathered using careful quality control mechanisms, will be included in the Peekskill EJ report.

thank you!

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Designate [Hudson River Sloop Clearwater](http://www.clearwater.org) as one of your conservation charities.

For more information, go to www.earthshare.org or contact Eileen Newman at eileen@clearwater.org.



Hudson River Sloop Clearwater's efforts to defend and restore the Hudson River depend solely on the support of its members. When you join Clearwater, you will be welcomed into a family of devoted individuals committed to preserving one of America's greatest historic rivers and related waterways.

Clearwater Membership Benefits:

- ◆ A subscription to the *Clearwater Navigator* – our biannual newsletter containing the top stories, bulletins, and calendar information about the Hudson River, Clearwater, and related waterway activities
- ◆ An opportunity to be a volunteer educator aboard the sloop *Clearwater* or our sister ship, the schooner *Mystic Whaler*
- ◆ 10% discount on Clearwater merchandise
- ◆ Discount admission and an opportunity to volunteer at Clearwater's annual music and environmental festival, the Great Hudson River Revival
- ◆ Discount admission to community outreach sails throughout the year
- ◆ A vote in the election of Clearwater's Board of Directors



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BUCKWHEAT ZYDECO ♦ KELLER WILLIAMS (loopless acoustic)
RAILROAD EARTH ♦ DONNA THE BUFFALO
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SAIL ABOARD THE SLOOP CLEARWATER AND SCHOONER MYSTIC WHALER!

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