

# A CREEK RUNS THROUGH US

Newsletter of SPAWN, the Salmon Protection And Watershed Network - Spring 2008

## HISTORIC WATERSHED STUDY AND CREEKSIDE DEVELOPMENT MORATORIUM

THANKS TO THE MEMBERS OF SPAWN, CONCERNED CITIZENS OF MARIN, MANY OF MARIN'S ENVIRONMENTAL GROUPS, AND HUNDREDS OF SCIENTISTS WHO SIGNED AN OPEN LETTER TO THE BOARD OF SUPERVISORS, an historic decision has been made by the Marin County Board of Supervisors to agree to fund a study of the impact of development on coho salmon and to take a "time-out" on creekside development by implementing a two-year moratorium in the San Geronimo Valley while the study is completed.

**THIS DECISION COMES AFTER SEVERAL YEARS OF STRUGGLE.** For years, SPAWN has collected scientific data indicating the importance of protecting creekside habitat to ensure the survival of endangered coho salmon. Through public hearings, scientific reports, forums, newsletters, communication through the media, and legal analysis provided by our attorneys, SPAWN has informed the Marin Board of Supervisors again and again that their approval of individual developments was threatening coho survival, and was illegal because the County had failed to do the proper environmental review and cumulative impact analysis needed to make such decisions.

**SPAWN'S GOAL** is not to see more studies done or assure that the County cross every "t" in meeting its legal requirements. Our goal is to recover and restore coho salmon. To that point, in consultation with other leading scientists, we remain convinced that these individual developments, when viewed additively, are the current major threat to the survival and recovery of Lagunitas coho.

**UNFORTUNATELY OVER THE YEARS,** the Supervisors have been unwilling to act on the scientific data or our legal analysis. But when the County hired one of the leading environmental law firms specializing in California law to advise them on the County-Wide Plan revision, the Supervisors apparently got one point loud and clear—that passage of the plan was open to legal challenge due to the lack of proper environmental study and analysis of cumulative impacts on streams and wetlands.



Photo © GARY ALT GARYALT@COMCAST.NET

*Coho salmon leap into San Geronimo Creek through the Inkwells and migrate upstream into the headwaters of the San Geronimo Valley.*

**AND NOW WE HAVE ENTERED A NEW ERA.** On February 12 the Supervisors approved an historic ordinance for the San Geronimo Valley that includes an agreement to conduct a proper environmental study that SPAWN has helped craft. Furthermore, they have agreed to take a "time-out" on new development along creekside habitats for two years while the study is completed. This study should ensure that development decisions of the future, here in California's most important watershed for critically endangered coho salmon, will be informed by the best available science to protect and restore these endangered species of Marin.

**IF WE SUCCEED IN THIS ENDEAVOR FOR THE SALMON,** we will also be protecting our children who play in these same creeks, we will be protecting ourselves from floods, we will be protecting the rural character of our community, and we will be protecting precious pieces of the fabric of life. The necessary ingredients for a healthy salmon run are the same as those for a healthy human community.

**WE ARE ALSO HOPEFUL THAT THESE RECENT STEPS** mark the beginning of a new relationship between the environmental community and the Board of Supervisors to work together to recover our beloved endangered coho salmon.

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What's Inside

*Where Are All the Coho?*

*Teachers and Students Raise Watershed Consciousness*

*How You Make A Difference*

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Photo © Derek Acomb, Department of Fish and Game

*Freshwater shrimp live on the complex edges of Lagunitas Creek.*

**Naturalist Notes:**

**THE CALIFORNIA FRESHWATER SHRIMP STARTS EVERYDAY WITH ONE BATTLE CRY: SURVIVAL!**

BY JENNY URSINI AND KEVIN COOK  
SPAWN WATERSHED STEWARD  
INTERNS

**THE CALIFORNIA FRESHWATER SHRIMP** (*Syncaris pacifica*) is a unique endangered species that only occurs in

17 stream segments, all within Marin, Sonoma, and Napa Counties. This tiny 2 1/2 inch shrimp is translucent, almost ghost-like, with colored flecks scattered across its body. This semi-transparent nature provides ideal camouflage from most native predators. The limited range of this species makes it very critical that their habitat requirements are protected and restored to ensure the recovery and conservation of the species. As S.P. Taylor State Park visitors, or if we are lucky enough to live in watersheds we share with this species, we all must become more educated about the habitat needs of this enigmatic shrimp to ensure its survival.

**CALIFORNIA FRESHWATER SHRIMP ARE USUALLY FOUND** in low gradient, low elevation, perennial freshwater streams and have evolved to survive a broad range of temperature conditions. The reaches of Lagunitas Creek through Tocaloma are good examples of such habitat. They usually prefer undercut banks with woody debris, exposed roots, and stream vegetation. The exposed roots may come from trees such as alder and willow. The vegetation of their habitat may include overhanging blackberry, willows, stinging nettles, grasses, and mint. These areas provide a safe zone for protection from strong currents, predators and large sediment concentrations.

**THE MAIN PREDATORS THREATENING CURRENT POPULATIONS ARE INTRODUCED FISH.** They are also threatened by habitat loss from water diversions, flood control activities, migration barriers, and water pollution. In order to control these threats landowners should exclude grazing and trampling in their sections of stream and encourage lush, and complex riparian vegetation. Much habitat restoration work still needs to be restored to improve conditions favorable to shrimp and our other native aquatic species. Our restoration efforts can help not only coho salmon but these delicate shrimp too.

*So far, we can count one volunteer restoration day that we haven't seen spawning steelhead swim by as we work hard to repair creekbanks! We are also observing newly emerged steelhead and coho fry in the creeks right now.*

*photo: Arroyo Creek Steelhead - March 08*



**SPAWN NATURALISTS:  
WE FIND THE FISH!**

by Megan Isadore

**Despite the record-low coho numbers** in Lagunitas Creek this winter (see page 4 in this issue), our canny naturalists were able to find and show our guests coho or steelhead on nearly every tour, making for 900+ happy salmon-viewers.

**It takes determination,** patience and “fish-eyes” to spot salmonids in turbid waters, especially as this year’s coho year-class seemed unusually dull-colored, lacking the bright reds that stand out in a rushing stream.

**SPAWN naturalists work hard** to learn the natural history and ecological niches occupied by Lagunitas salmonids. They attend an annual weekend-long training workshop, study our Training Manual, and together log over 250 field hours in the watershed over the course of the short 10-week coho season, learning and teaching. In addition they follow our “Friday Fishwrap,” a weekly continuing education E-journal focused on the ecology of the Lagunitas Watershed. David Selzer, a 3rd year naturalist, stepped in to lead the reservations and scheduling of our many walks this year, doing double-duty as a tour leader and organizer extraordinaire. Check out David’s profile on page 6 of this issue!



*Our 7 newly trained naturalists partnered with our 10 experienced “fish-finders” to learn the subtle signs that tell us all where to look, how to listen, and give us that extra edge in the field. Become a Creek Naturalist in 2008. Contact Jenny@tirn.net, or call 415-663-8590 x101 to sign up for our Fall workshop.*

**PASSION FOR THE SALMON GROWS: HABITAT RESTORATION!**

This year we have begun work at a number of new sites along San Geronimo, Woodacre and Arroyo Creeks repairing banks, removing invasive species, and planting trees, shrubs and grasses from our nursery. The “coho touch” includes planting dogwood, willow, oak, elderberry, redwood, sedges and rushes to grow a lush riparian zone to sustain young salmon during the hot, dry summers.

*Volunteers enjoy pulling French broom and weaving willow wattles along the beautiful streams of West Marin.*

Join our regular restoration workdays on Fridays and Saturdays.

Email Jenny@tirn.net, or call 415-663-8590 x107.

An updated schedule is posted on our website at: [www.SpawnUSA.org](http://www.SpawnUSA.org). Plus you can sign up for regular reminders by joining our list-serve.



**BUT THIS IS ONLY THE BEGINNING OF A DIFFICULT PROCESS.** There is a tremendous amount of work to do including reforming our current development policies to protect remaining critical habitat and ecosystem functions, while we simultaneously try to repair the mistakes of the past that have led to current endangered status of so many of our aquatic species including the coho salmon, freshwater shrimp, steelhead trout, red-legged frogs and others.

**IF WE SUCCEED,** the fruits of this labor will be enjoyed and celebrated by the people of the Bay Area for many generations to come. We will be working as hard as possible to assure that we do succeed.

*Todd Steiner and Supervisor Kinsey announced the new proposed ordinance at a press conference on February 10th. Over the next 24-hours the news aired on Channels 2, 5, 7, KQED, KPFA, and was reported on in the San Francisco Chronicle, West Marin Citizen, Point Reyes Light and the Marin Independent Journal.*

## SEVERAL SPAWN MEMBERS TESTIFIED BEFORE THE MARIN COUNTY BOARD OF SUPERVISORS ON FEBRUARY 12, 2008, THE DAY THE HISTORIC ORDINANCE WAS ADOPTED UNANIMOUSLY BY THE BOARD.

*The following testimony was given orally to the Board by Mel Wright, a 34-year resident of Woodacre.*

"We've been here before. Those of us of "a certain age" will recall populations of Brown Pelicans and Peregrine Falcons, among others, coming perilously close to extinction in the 1960's and '70's. We also remember the publication of "Silent Spring" in 1962 by the great visionary activist/writer, Rachel Carson. That book caught the attention of President John F. Kennedy who called for studies of the biohazards revealed by Ms. Carson.

Ten years later, President Nixon declared then current species protection and conservation efforts to be inadequate and urged the 93rd Congress to pass comprehensive species legislation. Congress responded by creating the Endangered Species Act of 1973 in which the stated purpose was to protect species and the ecosystems upon which they depend.

Among other things, the Endangered Species Act forbids federal agencies from authorizing, funding, or carrying out actions which may "jeopardize the continued existence of" endangered or threatened species. It forbids any government agency, corporation, or citizen from harming, harassing, or killing endangered species without a permit.

Once a species is listed as threatened or endangered, the Endangered Species Act requires that "critical habitat" be designated for that species, including areas necessary to recover the species. It is forbidden to authorize, fund, or carry out any action that "destroys or adversely modifies" critical habitat.

The Endangered Species Act is the most successful environmental legislation in our history, and its enforcement should serve us well today and into the future. But it is not self-enforcing. If we have learned anything in the 35 years since the Act's passage, it is that we must be ever-vigilant in promoting and monitoring its enforcement.

The decision to halt streamside development while appropriate scientific studies are conducted will possibly determine the future of several species now existing in the San Geronimo Creek watershed, most notably the endangered coho salmon and the threatened steelhead trout. Without this endeavor, they could be gone before we know it. And once they're gone, they're gone forever.

If we're successful, and we learn how best to protect these species and act on what we learn, future generations will thank us."



*The new ordinance also includes a provision for a new Native Tree Riparian Ordinance designed to protect the fragile forest ecosystem that borders local streams helping stabilize streambanks, filter sediment and nutrients, and provide critical shade and shelter for young coho and steelhead during the hot, dry summer months.*

## COHO BRIEFS

### HOW MANY COHO SPAWNED ON YOUR TRIBUTARY THIS WINTER COMPARED TO 3-YEARS AGO?

**THE COHO SPAWNERS RETURNING THIS PAST WINTER (2007/08)** dropped by 70% compared to 3-years ago when they were born (in 2004/05 which was our best year on record). The confluence of poor watershed conditions and poor ocean conditions turned our best year-class into our worst, highlighting just our vulnerable the population is to environmental disturbances.



Photo: Susan Farrar

Coho Redds	2007/08	2004/05
Arroyo/Barranca/ElCerrito	3	39
Cheda Creek	0	6
Devil's Gulch	6	112
Evans (Bates) Canyon.	0	3
Lagunitas Mainstem	87	120
Larsen	0	13
Montezuma/Candalero	0	1
Nicasio Creek	0	0
North Fork San Geronimo	0	11
San Geronimo Mainstem	46	140
Woodacre	7	51

## REDWOOD CREEK COHO

**BESIDES THE LAGUNITAS WATERSHED**, the Redwood Creek Watershed (home to Muir Woods) is the only other watershed in Marin where coho still occur and often spawn in large numbers. Sadly, this past winter zero coho were observed spawning here, perhaps indicating the loss of an entire year-class. Poor ocean conditions likely had the worst impact, but the Cosco Busan oil spill may also be to blame.

**REDWOOD CREEK COHO CONGREGATE OFF MUIR BEACH** at the start of the rainy season waiting for seasonal rains to break the berm at Muir Beach so they can begin their upstream migration. On the date of the oil spill, November 7th, 2007, that berm had not yet broken. Thus the fish were likely directly offshore -- and may have been in the path of the oil that affected coastal Marin and particularly Muir Beach. In January, SPAWN and the Center for Biological Diversity sent a letter to the oil spill trustees including the Department of Fish and Game, National Oceanic and Atmospheric Administration and Fish and Wildlife Service alerting them to the fact that zero spawning coho were documented in Redwood Creek this year coincident with some of the worst oil spill impacts at Muir Beach. To read the full letter visit:

<http://www.spawnusa.org/pressreleases/number-18>

## Lagunitas Native Plant Nursery Sprouts into its 2nd year!

This past fall and winter we enjoyed a bumper seed crop and we collected and are propagating thousands of native plant seeds including live oak, valley oak, maple, box elder, Oregon ash, hazelnut, alder, sword fern, and more. As of Spring we have 23 different species and +2,800 plants growing in our shadehouse! All the plants we grow are collected from local areas and are used to help landowners living along streams in the San Geronimo Valley restore their streambanks. Volunteers also helped build benches made of reclaimed redwood fencing. To join the Nursery Team and/or to receive plants for your streambanks in the San Geronimo Valley please contact Jenny Ursini at [Jenny@SpawnUSA.org](mailto:Jenny@SpawnUSA.org)



center photo of coho jumping:  
by © Gary Alt  
[garyalt@comcast.net](mailto:garyalt@comcast.net)

### Marin Community Foundation Funds Innovative Water Conservation Projects

*We are pleased to announce that we recently partnered with the Marin Community Foundation to launch SPAWN's "Marin County Stormwater Catchment & Water Conservation Initiative." Through this program we will encourage stormwater harvesting from roofs at residential, public and commercial facilities. As more and more of these projects are implemented we will not only reduce stormwater impacts (increased erosion and siltation of creeks that harm endangered salmonids), but will also reduce pressure on demand for precious municipal water. 30-50% of Marin's water supply is simply used for landscaping each year. Catching and using water on site also helps reduce global warming as pumping water to residents throughout Marin is the single largest use of energy in Marin County.*

## COHO COMMUNITY CONTINUES TO GROW

Over the past year SPAWN has been invited by numerous groups to talk about Lagunitas coho and our conservation strategies and programs. Venues included the EPA headquarters in San Francisco, the Riparian Habitat Joint Venture's conference in Sacramento, Salmonid Restoration Federation Conference, the Marin Chapter of the Native Plant Society, College of Marin, Environmental Forum of Marin, Trout Unlimited North Bay chapter and California Department of Fish and Game.

# Visionary Manor School Teacher Raises Funds for Marin's Streams and Salmon

*Laura Dax Honda first saw salmon returning to spawn in Marin as a nature guide with Mrs. Terwilliger in 1986, shortly after becoming a new mother. That experience forged a vision and commitment to environmental stewardship in Laura that has reverberated through Marin ever since.*

For 12 years Laura has been teaching 3rd and 4th grade at Manor School and she truly understands how important education can be for future generations of watershed stewards. "I was very inspired by the first Earth Day in 1971 when I was 12 years old. From then on it has always been my passion to protect endangered species. I want to empower my students to make a difference." Laura's commitment to protection and restoration of the Earth is being nurtured in all of her students every year.

A highlight of Laura's curriculum has been Steelhead in the Classroom, where students observe salmon grow each day from egg to fry stages in the classroom. Laura has observed that after teaching the children all about the steelhead and salmon they fall in love with the fish. Over the past ten years her students also dedicate part of their classroom time to making organic, chocolate steelhead bars that they sell at local festivals to raise funds for SPAWN's critical baby salmon fish rescue and habitat restoration projects. "The kids WANT to help and making our chocolate fish is a way for the kids to personally help."



When asked what message she would most want to convey to teachers and parents, Laura asks that they adopt sections of creeks near their homes and schools and help restore and protect these areas. "Also, participate in SPAWN's fish rescues during the dry, summer seasons. Kids love doing all of these things and it is wonderful to see them feel good about helping. That is truly inspiring!"

SPAWN's Fish Rescue Program rescues young salmon from drying pools during the hot, dry summer and moves them to flowing downstream areas where they have a chance of survival. To date, more than 17,000 baby fish have been saved from certain death. Our Habitat Restoration Program reforests streamside areas to help keep streams running cold and clean during the hot summer months when young salmon struggle to survive in our backyards.



*Laura in the classroom helping students make chocolate Steelhead Bars to raise funds for salmon restoration.*

*Visit Fairfax's EcoFest on June 14 & 15th to buy ORGANIC Steelhead Chocolate Bars and support conservation of Marin's salmon!*



*Laura's commitment to environmental education and action doesn't end with endangered species protection. She leads Manor's Green Team and has "greened" her classroom installing energy efficient thermal reflective barriers, double paned windows, weather stripping, a native plant garden, and solar panels. And her students measure their energy-savings. Her classroom has won a National Earth Apple Award from Alliance to Save Energy, and a Community Action Award from The Headlands Institute.*

## THE GREEN TEAM'S THOUGHTS FOR A BLUE PLANET

*"There are millions of animals on the planet, so it is important to think of more than just us."*

*Riley Kane, 4th Grade, 2nd year on the Green Team*

*"Help the fish. Keep oil and garbage out of the streams.*

*And don't cut down all the trees, they give oxygen and shade to the salmon."*

*Amy Hellems, 4th Grade, 2nd year on the Green Team*

*"We could have water and salmon, not just one or the other if we didn't overfish and if we stop wasting water."*

*Sierra Stevens, 4th Grade, 2nd year on the Green Team*

*"When you build dams it blocks where salmon used to live and they are forced into small areas and go extinct."*

*Alea Chedekel, 4th Grade, 1st year on the Green Team*



**Laura's Class of '06 Sings Bill Oliver's Song "Habitat."**

*The river is a habitat, a very special habitat... It's where the freshest water's at For people, fish, and muskrat!... But when people dump their trash Rivers take the biggest rap.... The river is a habitat we depend on!*



# VOLUNTEER PROFILE - DAVID SELZER

## SPAWN NATURALIST & VOLUNTEER CREEKWALK COORDINATOR

By Paola Bouley

David's interest in lakes, streams, and the oceans started when he was growing up in Santa Cruz along the San Lorenzo River. He studied Limnology (freshwater ecology) at UC Davis and Washington State, served in the Peace Corps in Ghana, and then went on to teach middle-school math and science in the Imperial Valley, San Francisco, and then for 17-years in Mill Valley.

David's passion embraces both healthy ecosystems and human communities, which is what led him to take the SPAWN Naturalist Training Program a few years ago, just before he retired. He quickly became inspired by fellow volunteers in the program who cared about the salmon and streams but who also took a more holistic, watershed perspective to conservation. It was then that he realized he could seriously re-engage his interest in the environment and community work by helping protect the Lagunitas Watershed.

In 2003 David saw his first Lagunitas coho spawning on a SPAWN Creekwalk and shortly after had his most memorable encounter with the coho as he peered through dense foliage into Lagunitas Creek in S.P. State Park and saw dozens of large salmon swim by in the cold waters. "Since then, whenever I lead a Creekwalk, I keep wishing I could recreate that moment for the viewers," says David. In addition to leading Creekwalks for the

*"We are in this for the long run. We must educate ourselves. Our children, and our childrens children, will be working to keep this same environment diverse and balanced if we succeed today." D. Selzer*

public and students in the winter, David also jumped on board as our Volunteer Creekwalk Coordinator this past year and communicated and kept track of all of the 900+ visitors who signed up to join us on the creek to see the salmon. We are all so grateful to you, David!

When I asked David what his wishes and aspirations are for Lagunitas coho he states, "I think it is our job to represent the salmon and other species, and to do what we can as individuals to protect their habitat. We are in a transition time in Marin. I do think citizens of Marin have a right to enjoy and utilize the land, but not to the detriment of the watershed and the salmon. I feel honored to represent the salmon, who need us because we can help preserve the only place they call home."

## WATERSHED SCIENCE INTERNSHIP PROGRAM

Real World Experience for Future Generations of Restoration Ecologists



Join us in welcoming our 2nd year of Americorp Watershed Steward Project (WSP) interns! Kevin Cook and Jenny Ursini are 1st year WSP interns that will work closely with us on all aspects of SPAWN's programs. Through the year they will help lead riparian restoration projects along San Geronimo Creek with students from local schools and community volunteers, lead plant propagation efforts in our native plant nursery, monitor coho and steelhead smolt outmigration, and lead community outreach at a number of festivals this summer. A huge "Thank You" to SPAWN members Kate Greene and Laurie Chorna who helped provide Jenny and Kevin with affordable housing!

## SONOMA STATE GRADUATE STUDENT INTERN PLANS RIPARIAN RESTORATION FOR LAGUNITAS CREEK

Laura Chariton joined the SPAWN team as a volunteer intern this Spring while she pursues her Master of Sciences at Sonoma State University and the Hutchins Institute in the "Action for a Viable Future" program. Laura is also a recent graduate of Brock Dolman's "Basins of Relations" training program at Occidental Arts and Ecology Center's Water Institute.



Laura is working on a site- and restoration plan for 4-acres of habitat along Lagunitas Creek in Tocaloma, also the site of SPAWN's new headquarters. In addition, Laura brings her passion for grassroots conservation to help with our native plant nursery program and with our Community Seminar Series. Keep an eye out for her in the blackberry bushes around our office!

## PROJECT WISH LIST

In addition to the items below, we are looking for folks willing to help with maintenance and repair issues (electrical, plumbing, carpentry, etc.) at our new beautiful office located on National Park land.

- small truck in running condition (gas or biodiesel).
- auger, post hole pounder, digging bar, sledge hammers
- hand and power tools
- video camera and underwater housing
- binoculars and spotting scopes
- solar panel to run irrigation system
- water cisterns/rainbarrels
- outdoor furniture, table umbrella
- firewood
- outdoor portable screen house
- compost bins
- weed wacker
- salmon costumes – patterns can be provided



## THANK YOU SPAWN SUPPORTERS!!

### Foundations, Agencies, Businesses, and Groups

Bella Vista Foundation, Cereus Foundation, Dean Witter Fdn, Jones-Smith Fdn, Lattner Foundation, Marin Community Foundation, Patagonia, Russell & Beth Siegelman Charitable Fund, Save the Redwoods League, San Francisco Estuary Project, TREES, Deutsch Design Works.

### Recent new members

Lynn Alexander, Kate Ames, Tom Anderson, Kathy Anderson-Knipfel, Molly Arthur, John Aucoin, Rina Baker, Alvin Baum, Laura Belden, Robert Berman, Nancy Bertelsen, Owen Bissell, Sandra Blau, Cheryl Brabo, Jeffrey Bright, Leif Brown, Patty Carlson, Julie Carlson, Kai Chuang, Janet Cook, Maureen Corr, Thomas Crowell, Stephan Davies, Burk Delventhal, Gregory Dicum, Karen Diggs, Rosemary Fei, Jeremiah Franklin, Carolyn Fremgen, Jeremy Garza, Jeffrey Golden, Dan Goldes, Kathryn Greene, Maureen Hardy, Ronald Hirsch, Russell Imrie, Dwight Jaffee, Karen James, Rodney Johnson, Ellis Jones, Susan Kelleher, Kempner, Su Kim, Stephen Kimball, Caitlin Lacey, Dona Larkin, Linda Lindsay, Nanette Londeree, William McDill, Dan McLeod, Jon Meyer, Sheryl Miller, Cathy Moratto, Jack Mosher, Deirdre Moy, Jean Mullen, Joe Murphy, Greg Murphy, Carla Muskat, Gabriel Ngarangad, Vivian Olsen, Joni Perry, Steve Perry, Joe Preis, Nina Richert, Simone Rodin, Stewart Rosen, Jon Rosenfield, Sandy Rush, Louis Rutledge, Amelia Schmidt, Alfred Sedgwick, Dabney Smith, Deborah Stanley Edwards, James Stewart, Natalie Stingley, Lloyd Strecker, Marc Sugars, Thomas Swan, Lisa Tan, Vicki Thomas, Carol Thornton, Elizabeth Tip-pin, Doug Tompson, Caroline Wang, William Watson, Laurie Watters, Ellen Weaver, Evan Weissman, Roberta Williams, Diana Williams, Todd Woody, Margaret Wright, Mary Ann Zeman,

### 2007 Individual Members

Fernando Agudelo-Silva, Yoomie Ahn, Louie Aiello, Sonja Anderson, Kai Angermann, Stephanie Antalocy, Jim Archer, Philip Arnaudo, Alice Bachelder, Shel Bachus, Karl Baeck, Mariah Baird, Peter Barnes, Nancy Barrett, Janice Barry, Frank Battat, Lawrence Batterton, Sally Beauford, Anne Baxter, Leslie Belsher, Gordon Bennett, Edward Bennett, Bobbi Benson, Jean Berensmeier, David Berg, Mona Bernstein, Lewis Bielanowski, Betsy Bickle, Frank Binney, Bebe Birnbaum, Cara Bishop, Donald Bixby, Linda Blackwood, Alistair Bleifuss, Alistair Bleifuss, Chris Boyd, Don Braden, Patricia Bradford, Larry Bragman, Neil Brandt, Neil Brandt, Dave Brast, Diana Brenner, Robin Breuner, Dennis Bricker, Ruth Britton, Mia Broad, Jeff Brooks, Ann Brown, Beatrice Brown, Ava Brumbaum, Priscilla Bull, Bob Burke, Robert Burke, Tara Bushore, Debora Busse, Helen Cahill, Tim Cain, Linda Cantel, Heidi Carman, Pamela Carr, James Carroll, William Cassidy, Catherine Caufield, Jene Chadwick, Jeffrey Chaplin, Paul Chapman, Cindy Charles, Ed Cherry, Laurie Chorna, Jim Clapp, Sarah Clark, Mathew Clement, George Clyde, George Clyde, Terry Coddington, Robert Cohen, Steven Cohen, Jeanne Cohn, Thelma Colombo, John Conley, Fumi Cooperband, Russell Cosgrove, Kitty Costello, Julie Cox, Robin Crabill, K. Crompton, Carole Dalessio, Bonnie Daley, Richard Daly, Elizabeth Danel, Elizabeth Davis, Diana Davis, Thomas Dawson, Xavier de la Prade, Kristine Deason, Bud Debo, Eleanore Despina, Hans Deuel, Barbara and Barry Deutsch, David Dever, D. Dinelli, Paul Dodge, Patricia Dols, William Donahoe, Pat Donahue, Charles Donald, Anne Donjacour, Nathaniel Draper, Kenneth Drexler, Carl Duda, Margaret Duggan, Michelle Eaton, Peter Elias, Peter Elmsoumi, Patricia Elvebak, Douglas Emery, Derek Emmons, Edward Engle, Gail Enos, C. 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We thank all our generous SPAWN contributors and volunteers for your support. We wish we could list everyone who makes our work possible.

## Join SPAWN Today

### Help Protect the Magnificent Coho Salmon!

*SPAWN is a grassroots organization that relies on community support to protect and restore the magnificent coho salmon and the beautiful creek habitat.*

Members provide the crucial foundation for projects like our Native Plant Propagation Program, our Fish Rescue and Relocation, our Restoration Days, and our Naturalist Training Program. Plus, members add their voice to our call for strong stream protections to help ensure that the coho salmon swim in our streams and seas far into the future.

Membership starts at \$35 tax deductible donations– or through a donation of 4 hours of your time – and entitles you to:

- "I Brake for Coho" bumpersticker
- Invitations to special hikes and events
- An ongoing subscription to our newsletter, A Creek Runs Through Us
- Priority FREE reservations in winter creek walks
- Most importantly, a chance to restore the magnificent endangered salmon and their habitat

*Please join today – use the convenient envelope enclosed in this newsletter, join online at [www.spawnusa.org](http://www.spawnusa.org) or call 415-663-8590 to become a member today!*

Turtle Island Restoration Network

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## GET INVOLVED IN COHO SALMON RESTORATION AND PROTECTION!

Join our email listserve to get regular updates by sending your address to [Info@SpawnUSA.org](mailto:Info@SpawnUSA.org). And check our website at <http://www.spawnusa.org>

### Upcoming Events

- **Coho and Steelhead Smolt Outmigration Monitoring** Help us count, measure and study young coho and steelhead (and other cool aquatic creatures) as they migrate out to sea this Spring. We need volunteers DAILY from 8AM – 12PM from March - July. Training and gear provided.
- **Stream & Habitat Restoration** - Students, Families, and Community Service Volunteers All Welcome! Every Friday and Saturday
- **SalmonAid Festival**, May 31 - June 1, 2008, Jack London Square, Oakland CA.
- **EcoFest**, Sunday June 14 & 15th, Fairfax. Help staff the SPAWN booth at the best eco-event in Marin!
- **Migration Celebration, Come Celebrate With SPAWN Under the Redwoods! Sunday September 21st.**  
Come eat, enjoy music and mingle with staff, board members, volunteers and supporters. All are welcome, so please mark your calendar. The event will take place in the Redwood Group Site by the creek in Samuel P. Taylor State Park, west Marin, California. Look for further details in announcements on our website as the time draws near.

### MISSION STATEMENT

The SALMON PROTECTION AND WATERSHED NETWORK [SPAWN] works to protect endangered coho salmon and steelhead and the environment on which we all depend. The protection of these keystone species leads to the protection of all the wildlife of our community, and indeed the protection of ourselves and our land.

Healthy fish populations mean that our streams run strong and clear, that valuable topsoil is not washing off our hillsides, that our stream banks are not eroding away, that poisonous pesticides are not being sprayed in the air and land and that our own wastes are broken down into inert organic materials.

SPAWN uses a multi-faceted approach to accomplish our mission, including grassroots action, habitat restoration, policy development, environmental education, collaboration with other organizations, media campaigns and litigation.

### A CREEK RUNS THROUGH US - Spring - 2008

Newsletter of the

**SALMON PROTECTION AND**

**WATERSHED NETWORK [SPAWN]**

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