



Community Clean Water Institute

ANNUAL REPORT 2004

Community Clean Water Institute is dedicated to promoting and protecting clean water and public health by identifying water pollution, advocating for sound water policies, and providing information to the public.

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CCWI

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Dear Friend of Community Clean Water Institute,

The national environmental picture is troubling, but local interest and action for healthy, poison-free watersheds remains strong. Community-level mutual support and new communications to reach out beyond our traditional bases will be important in building a widening umbrella of protection for clean water and the species which depend on it. The next four years are a pivotal time if you care about the Earth. Through our Redwood Empire Environmental Center, we hope to empower people to join citizen action groups, be vocal, and get involved.

In this 2004 annual report, you can read about our accomplishments over the past year, and plans for the next. You can join the movement by becoming a citizen monitor, notifying CCWI of suspected water pollution, or supporting CCWI financially. Thank you for your interest in CCWI.

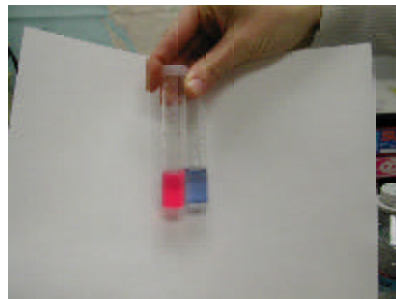
Mike Sandler, Program Coordinator, and Director, Redwood Empire Environmental Center



Citizen monitor Robert Feuer monitoring Dissolved Oxygen on the Lower Russian River



Left: Nutrient tests in the Laguna de Santa Rosa often exceed water quality standards. Above: Beth Robinson with a Chain of Custody Form for 36 samples collected during Humboldt Bay First Flush on October 17, 2004.



Included in this report: News & Updates, 2004 Accomplishments, Project Descriptions, Upcoming Projects

2004 PROJECTS

Organizational News: Teaming up with Town Hall Coalition, CCWI has formed the Redwood Empire Environmental Center at our new office in Sebastopol. Our goal is to become a hub for citizen action. Stop in, sign a petition, and get active!

In June of 2004, Beth Robinson became Program Associate after Sarah Shaeffer left for graduate school. Our Winter intern Heather Harper has been assisting with nutrient tests, data management, and fact sheets. Our Spring intern Iacovos Anastasiou returned to his native Cypress after graduating from SSU. For more information on CCWI's internship program, call the CCWI office.

CCWI's Citizen Monitoring Program:

Citizen monitoring is monitoring of the environment by community volunteers interested in watershed protection. By monitoring local creeks and rivers, citizen monitors learn about their watershed, help pinpoint pollution sources, and identify widespread problems. Citizen monitors are trained on how to use monitoring equipment, and collect data, which is forwarded to statewide water databases, decision makers, regulatory agencies, watershed groups and others. In 2004, CCWI submitted the previous year's citizen monitoring data to the State EPA 303d list. This was one of the first times that citizen monitoring data had been submitted in this way. Thank you to all citizen monitors for the great work you are doing!

In 2004, CCWI began work on the Lower Russian River Water Quality Monitoring Project, funded by a grant from the State Water Resources Control Board (SWRCB) (Prop 13). CCWI assembled a Quality Assurance Plan, and hosted several citizen monitor recruitment and training workshops in Camp Meeker, Monte Rio, and Jenner. New citizen monitors are collecting valuable data on Dutch Bill Creek and the Lower Russian River. Data summary reports are on the CCWI website. Total coliform and E. coli bacteria testing is available at our office. In the next year, we plan to begin using a Dionex ion chromatograph as well.

Citizen Complaints: CCWI continues to submit comments on EIRs and local and statewide water policies. CCWI has been vocal on protection of the California Tiger Salamander, and has also been promoting non-spray responses to the aquatic invasive species Ludwigia (water primrose) in the Laguna de Santa Rosa. CCWI has advocated for instream flows in Salmon Creek. Citizens concerned about a water pollution problem in their area can register a complaint on the Complaints page of the CCWI website, or by calling CCWI.

Environmental Education at Stuart School: CCWI has facilitated two year-long environmental studies programs at Stuart School, a Santa Rosa K-8 school. Students participated in water quality monitoring on Santa Rosa Creek, stream clean ups and restoration, learned about fuel cells and renewable energy, and more. Teachers, or those interested in environmental education can contact CCWI.

CCWI is a non-profit 501(C)(3) organization. Your tax deductible donation supports CCWI's clean water programs.

CCWI Citizen Monitors

Russian River Watershed

Austin Creek	Dennis Beall, <i>Austin Creek Alliance</i>
Dutch Bill Creek	Tom Austin, <i>Dutch Bill Creek Watershed Group</i>
Pocket Canyon Creek	Doug Vincent, <i>Pocket Canyon Protection Group</i>
Jenner Creek	Randy Barron
Laguna de Santa Rosa	Steve Greek, Lucia Chan, Celeste Dodge
Mark West Creek	Val Mulcaire, Grif Okie, Richard & Delores Baril, Michael Gates, <i>Mark West Creek Watershed Group</i>
Russian River	Elizabeth Christie, Lisa Vasse, Robert Feuer, John Pendergraft
Santa Rosa Creek	<i>Available</i>

Salmon Creek Watershed

Fay Creek	Bob Nelson, <i>Salmon Creek Highlanders</i> Carol Sklar, <i>Salmon Creek Highlanders</i>
Westwood Creek	Margaret Gerner, <i>Salmon Creek Highlanders</i>
Salmon Creek	Beth Trachtenberg, <i>Salmon Creek Highlanders</i> Elizabeth Beck
Salmon Cr. School	Noel Bouck, PhD, <i>Salmon Creek School</i>
Tannery Creek	Darlene Lamont, <i>Salmon Creek Highlanders</i>
Thurston Creek	Noel Bouck, Lucinda and Jude Dekker, <i>Salmon Creek Highlanders</i>

Petaluma River Watershed

Petaluma River	David Yearsley, <i>Petaluma River Keeper</i>
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PROJECTS & ACCOMPLISHMENTS

Humboldt Bay First Flush:

CCWI conducted a First Flush study of Humboldt Bay as a Supplemental Environmental Project for the City of Eureka. First Flush refers to the first major storm of the season, taking place typically in the Fall, in which accumulated contaminants are washed down the storm drains and carried into waterways. 20 volunteers were recruited and trained to monitor 10 sites on Humboldt Bay during the first major storm event of the 2004 season. After much anticipation, the storm event took place on Sunday October 17, 2004. 15 volunteers mobilized, and went to their sites. CCWI staff took measurements from storm drain manholes along Waterfront Drive in Eureka. The First Flush report can be found online at www.ccwi.org/issues/firstflush.htm. Special thanks to HSU students Danielle Creedon and Melissa Hodgson, and Kate Henderson, who were CCWI interns for this project, and to all the First Flush volunteers.

Fortuna: CCWI intern Jennifer Fuller has continued her research into energy efficiency at the City of Fortuna's wastewater treatment plant. Her work helped the City ~~quantify~~ **\$51,427 in savings one year** which resulted from the new aeration blowers at the City's Wastewater Treatment plant. The Friends of the Van Duzen, also supported by CCWI, continue to monitor their watershed, and completed a 3 year report on turbidity.

Water Rights, Privatization and Public Trust Program: CCWI has been showing the movie "Thirst" which chronicles global battles over water privatization. In 2004, it played at the Petaluma Sustainability Film Series. In 2005, we plan to show the movie for the Environmental Center's newly formed Citizen Action Groups.

Water and Climate Program: Global climate change is one of the greatest threats to water resources and ecosystems over the next century. The global emissions that cause global climate change come primarily from fossil fuel used in creating electricity and driving our automobiles. CCWI continues to bridge the issues of water and energy by bringing together water agency and wastewater treatment plant staff and elected officials, to discuss opportunities for watery efficiency, helping cities save money, water, and energy and reduce greenhouse gases.

Air District Project/GHG Inventory- CCWI, with the Climate Protection Campaign, conducted a greenhouse gas emissions inventory for Sonoma County, and is making recommendations to incorporate climate change into air pollution programs at the Bay Area Air Quality Management District. This is the first time an Air District in California has specifically looked at climate change issues, and may lead the way as other jurisdictions move to take action on climate change in the absence of Federal leadership.



First Flush Photos:

Top: Volunteers Jeremy Farque and Tera Prucha monitor Grotzman Creek in Arcata. Above: Mashaw McGuinness and Melissa Scott test the turbidity of the First Flush samples.



Climate change is no laughing matter. It may be the single biggest issue of the 21st Century. Luckily, solutions exist.

New Projects For 2005:

Middle Reach Russian River Restoration

Project- Our first restoration project, planting trees with students in collaboration with the Russian River Watershed Council and others.

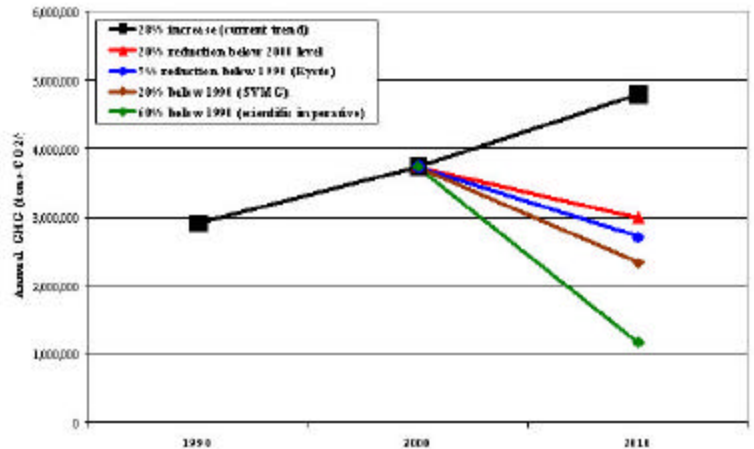
Climate Change Conference- CCWI is planning a large conference on Climate Change for mid October 2005.

Events:

CCWI sponsored the following events in 2004

Citizen Monitoring Trainings
 Whole Foods Earth Day
 Sonoma Boys and Girls Club Earth Day
 Humboldt Bay First Flush Monitor Trainings
 "The Day After Tomorrow" Fliering
 Workshop at Russian River celebration
 North Bay Eco Fest
 Sierra Club Forum on Climate Change
 Petaluma Film Series- "Thirst"

Sonoma County Greenhouse Gas Emissions:1990-2010



5 scenarios for Sonoma County's greenhouse gas emissions: The black line going straight up is Business as Usual, continuing on a 28% growth rate. The 4 going down from 2001 to 2010 are 4 choices for reductions: from the triangle representing local government's 20% below 2000, to the lowest, 60% below 1990 (the scientific imperative).

Which should we choose?

To find out more about becoming a Citizen Monitor, or if you have concerns about pollution in your area, contact the CCWI office at (707) 824-4370, or info@ccwi.org

Return Service Requested

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