



BUTTE ENVIRONMENTAL COUNCIL'S ENVIRONMENTAL

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Spring Run Chinook Indicate Salmon Health

by Allen Harthorn

Spring run Chinook salmon in the Central Valley are dwindling fast. After a tremendous resurgence in numbers due to increased flows, dam removals, and improved screens and ladders, the runs have taken a dive. Spring run, for the most part, are the last remnants of wild salmon populations in the Central Valley. Spring run were once the dominant run due to the unique life history they have adapted to, returning as adults on spring snow melt, holding in high elevation summer habitat, and spawning in the early fall. This pattern affords many benefits which other runs do not have. Yoshiyama, et. al, 1996, suggests that the spring run numbered in the hundreds of thousands on the San Joaquin River alone, before the settlers and gold seekers arrived. Perhaps as many as one million spring run returned to the entire Sacramento-San Joaquin system.

Today, the habitat for the spring run is all but gone, blocked by massive dams. Several remnant populations return to the reaches below several of these dams, most notably the Yuba and Feather River populations. The Feather River population is supplemented by the Department of Fish and Game hatchery and has likely been hybridized by management practices. Efforts are underway to isolate spring run to reestablish a pure spring run population. Yuba River spring run are genetically unique, however, Feather River salmon have been known to show up in the Yuba and there may be some interbreeding.

With the very few runs of wild salmon returning, primarily in Butte, Deer and Mill Creeks, overall salmon health and vitality is seriously compromised. Large numbers of fall run hatchery fish compete with wild fish in the ocean and probably reduce overall food availability. On the flip side, for the ocean predators, such as orcas and others, the fall run are a tasty treat and may lower predation of the wild fish.

The timing of the out migration of juvenile salmon is likely a critical factor in their survival. Exiting on the high spring flows, when the water is not all being diverted into the State and Federal pumps, wild spring run have the best chance of getting to suitable food sources in the ocean before summer conditions change the currents and food availability. Hatchery fall run are released from trucks, with Highway 5 as their migration corridor, into San Pablo Bay, around the beginning of May. The timing is not based on the most optimal timing for the fish but on what works best for the hatcheries. If the fall run, released en masse, can't find food right away, they are toast. Wild fish, migrating in small groups, and entering the ocean early seem to have a better chance of finding the important ocean food sources on their own. Hatchery fish, on the other hand, have one chance to find food. If the timing is off, success will be low.

This brings us to the point of this article: wild spring run are an indicator of overall salmon health in the Sacramento-San Joaquin system. The success of hatchery fall run is as much based on luck as anything. Wild fish are the hardy survivors fishery biologists dream of. Wild spring run numbers have been fairly stable over the last 10 years or so, due in large part to the healthy Butte Creek runs. However, the poor return of 2,561 fish in 2009 led many observers to question the predicted increased fall run returns for 2009. Agencies predicted 120,000 fish and only 40,000 returned. It seems that if the wild fish are not returning, the hatchery fish likely will not do any better. Opening fishing seasons with the crystal ball predictions made by the agencies is playing roulette with what's left of our salmon. Using an early season in stream escapement estimate of wild spring run may be a much better indicator of what's to come. So far, in 2010, the Butte Creek numbers started out looking real poor in June. Flow conditions couldn't have been better and poaching in the lower creek reaches will be seriously limited as a result. That means more fish will make it back. On July 15th, 123 salmon were relocated from below Durham Mutual dam to the cooler and more plentiful waters above Parrott/Phelan dam. Twenty two were radio tagged and will be monitored. Any carcasses found on Butte Creek should be immediately reported to Fish and Game or Friends of Butte Creek so they can track all the rescued fish. On a cautiously optimistic note, the Friends of Butte Creek Salmoncam is running and a large school of fish are visible during the midday hours, 11-3 pm. Hopefully it is an indicator that the fish made it back and have been hunkering down in the pools. It could be a good run. Let's keep our fingers crossed that the run rebounds and the weaker hatchery cousins have success as well. If not, perhaps we need to rethink how we determine if and when a fishing season is approved.

Check our website at: www.buttetecreek.org
Contact us at: friends@buttetecreek.org

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About BEC

The Butte Environmental Council (BEC) is a not-for-profit public benefit corporation. Founded in 1975, BEC protects the land, air, and water of Butte County through advocacy, environmental education, and information and referral services.

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Monday through Thursday
9:30 A.M. to 5:00 P.M.

How to Join BEC

To join BEC, complete the membership form on the back page of this paper and send the membership to BEC.

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and many more...
Thank You!!



BOARD OF DIRECTORS' UPDATE

BEC members will find details of BEC's latest activities in reports from Robin Huffman our Advocacy Director and Nikki Schlaishunt our Administrative Director elsewhere in this publication.

The Board of Directors are happy to report that because of outstanding member and community support as well as the support of an anonymous donor and BEC staff, our recent fund raising efforts have begun to stabilize our finances.

Three of our most dedicated Board members, Armeta Ferrini, Nora Burnham and Lynn Barris are leaving the Board having served out their term limits. Armeta, in addition to her wonderful organizational skills and knowledge, was instrumental in making many beneficial changes to the BEC office during our administrative transition period last summer. We invite you to stop by and see the transformation sometime. Lynn has been a prominent water advocate, representing BEC and our community in local, regional and statewide issues and contributed to many BEC successes in this arena. Nora has been an enduring influence on the BEC Board, having participated on and off for decades, whose historical knowledge of BEC has been invaluable. We all owe them a deep debt of gratitude for their dedicated and lasting contribution to BEC and the quality of life in our community.

Our newest Board member, Mark Stemen has already proven to be an enthusiastic addition to our Board. His connection with Chico State has been a positive bridge that will help include many younger earth stewards in BEC's mission. He joins with continuing Board members Pamela Posey, John Scott, Mike McLaughlin and Jim Gregg.

We are actively seeking additional Board members. Please consider joining the continuing Board members now governing our organization. You can do so by contacting any current Board member or Nikki Schlaishunt our Administrative Director at the BEC office.

The Board deeply appreciates member support as BEC continues at the forefront of advocacy for and education about the protection of our land, air and water resources.

Jim Gregg
Chair, BEC Board of Directors

New Paradigm Key to Sustainability

By Nikki Schlaishunt, Administrative Director

Audre Lorde says, "The master's tools will never dismantle the master's house." We have inherited a system that supports environmental degradation, a system whose tools include hierarchy, division, and fear. To effectively protect the environment, we need new tools, tools that fit a new paradigm: community building, collaboration, teamwork, and co-leadership.

In August 2009, the BEC Board asked the membership to change the by-laws, replacing the existing Executive Director hierarchy with a co-leadership, shared-power model, and the membership approved this Administrative Director/Advocacy Director co-leadership shift. BEC's new co-leadership model better fits our organizational value of cooperative problem solving, which BEC sees as key to protecting and preserving our air, land, and water.

Change is never easy. We are all raised with hierarchy. We all know what this looks like and how it works. We are surrounded by messages of fear that serve to keep us separate and ineffective. What we need are messages of hope, tools of collaboration, a vision of a healthy and vibrant environment that supports a healthy and vibrant community for us all. Because of this, BEC is committed to continuing to work on our budding co-leadership structure, and continuing to use collaboration and teamwork as a means to a collective, sustainable end.



**Find out how to increase your contribution to BEC
through the Annie B's Community Drive
on page 14!**

Advocacy: Encouragement, Backing, Support

Economic Sustainability: What Is This?

Robin Huffman, BEC Advocacy Director

Consider the source, follow the money, trust and verify, and respect gets respect – key truisms for advocates working for a more sustainable way of life.

It seems most people and companies (companies actually are not people) want to be on the sustainable side of living. This is the moral high ground, and it makes sense. Who would say, "Let's use our resources up, so that there is nothing left for future generations?" Many now recognize that we are over-fishing, over-polluting, and over-exploiting resources, even renewable ones, rapidly. Economic systems all over the world are on edge, and people are looking for the next new market, knowing that we need to turn to a green economy, a green way of life.

A so-called green economy is being invented and reinvented for a world with nearly 7 billion people and a rate of growth that is entirely unsustainable. How many now recognize that the current 6.7 billion humans living as we do is entirely unsustainable? Even in the relatively sparsely populated United States, at 307 million, our coastlines are "dead zones" from anthropogenic pollution. The 37 million in California have nearly choked the salmon out of our coasts, rivers, and creeks. We are dying from cancers, just recently realizing the extent to which our systemic use of chemical-laden inventions intended to improve our lives are killing us. To sustain a population of 7 billion people we need our chemical fertilizers, pesticides, medicines, and power. Our planet held around 3 billion humans half a century ago, the year I was born (and like most, I appreciate being born). Human cultures have been keeping up with human demands, more or less, and I wonder what's next: an imminent massive die-off by combinations of disease and war and famine and dehydration accompanied by mass extinctions, a sustainable stabilization at somewhere around 10 billion as the United Nations think tankers and others hopefully predict by about 2050, a comfortable return 3 billion in the next half century (no recognized think tank is making that prediction), or what? An economic balance with the environment and communities is necessary for the survival of human populations.

A big question for our local communities is how to attain sustainable economic development, also known as a green economy. In the general plan updates, Chico says we want it, and Butte County says we want it, but what will living be like in a sustainable economy? What is this?

Is there a limit to the size of a sustainable economy? Are supplies and demands limited?

Whatever else it is, sustainable economic development measures all the costs and counts all the values in determining an economic balance with the environment and people. We need to know what

aspects of the environment are worth to us and how much the total cost of a project or product will be in order to decide if we will buy. The environment has only recently been considered part of the equation of the cost of a project or a measure of its benefit. On a scale of 1-10, how happy would a project or product make us, and it is worth the cost to the environment? We need projects and products that improve the environment so human byproducts biodegrade. Complete cost analysis provides for a sustainable economy and must become part of the general plan going forward.

Measuring true costs is a vital economic perspective in advocating for the protection of our land, air, and water. In working for economic sustainability, the aforementioned truisms can help get the job done.

Take them to your local Household Hazardous Waste Facility or to one of the Take-It-Back Business Partners

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Look for BEC at this year's conference:

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California's Landmark Climate Legislation under Attack by Texas Oil Giants

by Jessica Allen and Desiree Hatton

When California passed AB 32 in 2006, environmentalists knew that the struggle against corporate interests would be lengthy and tough. Now, months before California's landmark climate legislation is set to go into effect, some of the biggest polluters in the country have set their sights upon squelching what has become a universal cry for clean emissions and energy efficiency.

On November 2 California voters will be faced with an unprecedented campaign on the part of corporate interests to influence environmental regulations. Two Texas oil giants, Valero and Tesoro, have funded a ballot initiative that would repeal AB 32. Proponents of Proposition 23 call it a mere "suspension" of our clean air and energy standards, claiming that they will be reinstated when California's unemployment reaches 5.5% for four consecutive quarters. Economists refer to this as a "Blue Moon" economic situation, one that has only occurred 3 times in the past 40 years. If oil companies manage to kill AB 32, they will be able to pollute without accountability while driving out their top competitor, the budding clean energy and clean tech sector.

Prop 23 is deceptively being portrayed as a "job saver". In reality, it would decimate the only fiscal stability that California has. In an economy gone sour, green tech jobs have actually increased, growing at a rate 10 times that of traditional jobs. Half a million Californians are currently employed in some way by the green tech industry, a number that is expected to more than double by 2020. We receive more than 60% of all clean tech investments in the United States; five times that of our nearest competitor state. Since 2005, investors have poured more than \$10 Billion into California's green economy, sprouting more than 12,000 new businesses. The Big Texas Oil Barons want to cut out their competition at the knees,



Desiree Hatton and Kelly Meagher at a protest in Oroville on July 21.

maintain their monopoly, and debilitate the future of clean energy in California and beyond.

If passed, Prop 23 would lead to greatly increased public health risks. California already has some of the most polluted air in the country, with the toxic effects of emissions felt most strongly by children and the elderly. According to the American Lung Association, more than 90% of Californians live in counties with failing air quality. Valero and Tesoro both operate refineries in California that are among the top 10 polluters in our state. If they are allowed to overturn our emission control standards, our already dangerously tainted air will only get worse.

California has traditionally been a leader and innovator in clean technology and energy standards. Big oil companies know that if they can stop the clean energy movement in California, it will allow them to continue their monopoly indefinitely. If the Dirty Energy Proposition has its well-funded way, decades of hard work to protect the environment for future generations will have all been in vain. Please Vote No on Prop 23!

To learn more, visit www.stopdirtyenergyprop.com
Contact Butte County Vote No on Prop 23 at votedownprop23@gmail.com



Creek Watch Hotline Update

by Maggi Barry

Butte Environmental Council has been hosting the Creek Watch Hotline for many years. The hotline provides information about how to report water quality concerns within Butte County and also the State, such as illegal dumping in areas that may lead to storm drains, reporting hazardous material spills, and reporting water quality concerns. Callers can find out where to recycle used oil, where to properly dispose of hazardous waste, and how to become a citizen monitor of our local waterways.

Maggi Barry of BEC assists Jennifer Oman-Payne with the City's Runoff Pollution Prevention Program, and she coordinates the Clean Water Business Partner (CWBP) portion of the program. The CWBP program is incentive-based and provides businesses who pledge to use best management practices (BMPs) and educate their customers regarding proper disposal of wastewater a variety of perks.

The perks include a listing on the website www.keepchicoclean.org which highlights businesses. Participating businesses are also included in the annual Chico Clean Creeks Calendar. They are listed in an insert distributed to Butte County residents by the California Water Service Company and in free brochures to educate customers.

Participating businesses include carpet cleaners, landscape contractors, painters, power washers, vehicle maintenance contractors, equipment rental businesses, general contractors, and nurseries. The program rewards businesses who are doing the right thing by protecting our waterways from runoff pollution.

Participating businesses may use the City's CWBP logo, a way to stand out as being a green, sustainable business that uses practices which protect and preserve our waterways. The logo distinguishes these businesses being environmentally conscious. If you know of a business that would be interested in learning more about this wonderful program, please call Maggi Barry at 891-6424.

Hotline information can be found online at www.becnet.org and at www.keepchicoclean.org.

The Creek Watch Hotline number is 530-891-6459.

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FERC 2010 Re-Licensing of the Oroville Dam

by Bill Connelly

The 770' earthen dam is located less than two miles from the City of Oroville, the Butte County seat. The dam's 762 megawatt hydroelectric facilities are operated and licensed by the State Department of Water Resources (DWR). DWR is seeking a 50-year renewal of the license from the Federal Energy Regulatory Commission (FERC). FERC is a bureaucratic agency located in Washington D.C. charged with oversight of hydroelectric facilities throughout the United States.

When the dam was proposed and before the initial license was issued, the following was promised in writing, but not in a contract:

- Generation of permanent jobs
- Economic development
- Low cost energy
- Maintenance of roads
- Promise of 83,000 tourists per day
- Resort lodging, railroad for tourism, and a tram up the dam's face
- Dozens of other promises of recreation enhancements and financial gain

From these promises the citizens of Butte County have learned, if details are not in the contract signed by both parties it will not happen. In addition to broken promises the actual negative financial impacts of the dam to Butte County government are substantial and well documented.

The County spends 5.2 million dollars annually on direct services. These services include police, fire rescue, jail, probation, road maintenance, and traffic control. There currently exists an ongoing loss of property tax revenue to the County. The 41,000 acres of state owned land for which no county property tax is collected. This is an annual loss of more than 6.9 million dollars. The total economic loss to Butte County is over 12 million dollars every year. DWR refuses to compensate the county for these direct financial impacts. It must be pointed out the dam or related facilities do not bring any net tourism or other net revenues to Butte County government. In addition no low cost power was ever offered to local residents, businesses or government. All untaxed locally generated power and revenues are used to push water south cheaply at local expense. We actually subsidize the water for the rest of the state.

FERC and DWR acknowledge that this project does have a cost to the County for provided services, but fail to acknowledge the full negative financial impacts. We are still far apart:

County	5,296,993
DWR Original	1,473,100
DWR Revised	1,729,020
FERC estimate	1,702,000

The Final Environmental Impact study from FERC concludes that Butte County is losing millions of dollars in property tax revenue estimated to be between "1 and 6.9 million dollars annually."



View of the Feather River from the Oroville Dam.

Other recently relicensed FERC projects around the country received at least two of the following benefits, and several all five:

- Annual tax or other payments to the host community
- Low cost power to the community
- Special payments or benefits to address local needs
- Unneeded project lands returned to the community
- Monies committed to road and/or infrastructure improvements

Butte County currently will not receive any of these benefits—not one.

Butte County is in the process of trying to negotiate the relicensing of the Oroville Dam with DWR. We have the support of Senator Feinstein, Senator Boxer,

Congressman McClintock, Congressman Herger, Assemblyman Logue, and Assemblyman Nielson.

In conclusion DWR broke promises and did not live up to the terms of the original license. DWR does not want to change anything to help Butte County cover actual costs in the new license application. DWR will not acknowledge what other new licenses provide for the local agencies and host communities. Butte County will not continue to subsidize DWR's operation of the Oroville Facility with taxpayer money.

Butte County is committed to seeking a just, morally right result, by settlement, FERC orders, or court decision.

Note: My next article will detail some of the ignored environmental impacts of the currently offered license.

Bill Connelly is Butte County District 1 Supervisor.

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Scrap the Water Bond

by Noelle Ferdon

Whether you call it “The Water Bond” or Proposition 18, the California legislature should have scrapped this proposed bond measure slated for the November 2010 ballot – not postpone it to 2012. Passed by the legislature in late-night back-room sessions last November, this \$11.14 billion bond would continue to provide subsidies and cheap water to corporations while costing taxpayers \$22 billion dollars to finance – double the cost of the bond. Where does this money come from? Historically, water projects are paid for by fees to the beneficiaries known as revenue bonds. This bond, however, is a general obligation bond and must be paid back out of the State’s General Fund. What other services are funded by the General Fund? Such essential services as education, fire and police, transportation, and state parks are. Would this bond benefit corporations and other special-interest projects at the expense of these services? Yes.

But isn’t California in a drought and in need of this water, you ask? Yes and No.

California has faced drought conditions for the last 3 years, but we are currently at 150 percent of our average annual snowfall. The last decade has seen both record rainfall and record water shortages. If used and managed efficiently, we have sufficient water to meet our needs for both urban and agricultural uses. We currently spend 20 percent of the State’s energy pumping water around the State and then storing it in dams where it evaporates. Enough water evaporates from California’s 1,400 dams each year to supply 4 million people with water. Instead of building more dams to pump more water, we need to provide incentives for urban conservation, smart development, efficient irrigation and responsible industry. We also need to invest in conservation in agriculture by helping farmers transition to crops that make sense to grow in our climate. We also need to invest in conservation in agriculture by helping farmers transition to crops that make sense to grow in our climate.

Very few Californians are set to benefit from this hypothetical increase in water supply that will somehow appear if this bond were to pass and more dams were built. In March, San Joaquin Valley agribusiness interests were quoted in the L.A. Times as saying that they hoped for a \$3.3 billion dollar dam and reservoir to be built at Temperance Flat because they needed the water from the dam, but they were not willing to shoulder the costs associated with the project.

Who else benefits from the passage of Proposition 18? The beneficiaries are clear when you look at the ‘Yes on the Bond’ endorsements. Endorsers include the Westlands Water District, the Kern County Water Agency, which jointly manages a water bank with billionaire agribusiness executive Stewart Resnick, California Farm Bureau, and Governor Schwarzenegger.

Westlands operates in a desert where the soil is very salty and has other contaminants, requiring immense quantities of water to flush the soil out in order to grow crops. With fewer than 150 landowners controlling around 600,000 acres, individuals in the Westlands wield a lot of financial and political power. Westlands is in ongoing negotiations for additional water transfers with Paramount Farms, the largest private agribusiness in the world, owned by Beverly Hills billionaires Stuart and Linda Resnick. The Resnicks also own Pom Wonderful, Fiji Water, hold a majority share in the Kern County Water Bank and export an ungodly amount of almonds and pistachios to China. They aren’t feeding Valley residents.

Landholders in the southern part of the Valley would also benefit from the bond because it would allow them to sell more water to developers, both in Southern California and in the Bay Area. Landholders can get water from the state for a heavily-subsidized \$25-\$50 an acre and sell it to developers for hundreds of times that amount – an

incredible profit. Why should we subsidize these profits with our tax dollars?

You will undoubtedly hear from some that there is funding in the water bond for good projects that progressives traditionally support. That’s true, but it’s too little money and it is not worth the tradeoffs we will see from the previously mentioned cuts to essential services.

Moreover, we may never see the money in the bond for these good projects. Since 1996, voters have approved over \$14.3 billion in water-related bonds. Nearly half of those bond dollars have not been spent, leaving the projects that were supposed to be funded incomplete.

The bond is written so that dams get funded first. If we can sell the rest of the bonds, the real public benefit projects won’t get funded until at least 2015. By that point we will be operating under a new administration, hopefully with a better budget, and we would be in a position to pass a slimmer bond that would really benefit the public and the environment.

Let’s be clear. Proposition 18 does not provide immediate improvements in water quality or supply for Southern California or the Central Valley. It does not provide adequate funding for conservation (only 2.25 percent of the bond is guaranteed for conservation programs). It does not prioritize funding for clean drinking water to low income families (only 1 percent of bond is guaranteed for disadvantaged communities). Nor does passing the bond provide any guarantee that adequate funding will actually be available for the promised projects.

What does Proposition 18 actually do? It bankrupts taxpayers, benefits corporate special interests, and continues the failed policies of the past – including more dams and a down payment on the peripheral canal – that will be the final demise of the already threatened Delta ecosystem. Of course a healthy Delta is essential to Chinook salmon and other migratory fish.

On Monday, August 9th, the California legislature voted by the smallest of margins to postpone Proposition 18, the \$11 billion water bond, to the 2012 ballot. It’s not what bond opponents wanted; ideally, the legislature would have scrapped it altogether, or let the voters pull the plug this November so we could get to work on better approaches. But despite the passage of a bill that keeps the bond alive for another two years, bond opponents should claim victory. Schwarzenegger called for the bond to be postponed to 2012, when he hoped it would have a better chance of passing. In effect, he admitted that we can’t afford the bond right now. Bond opponents will continue to fight against passage in 2012 and will show that we can’t afford the bond now, or ever. As Lois Wolk said, “The bond isn’t fine wine; it won’t get any better with age.” Visit www.nowaterbond.com/terminate to learn more and www.nowaterbond.com/join-our-campaign to submit your endorsement now.

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Pipelining Paradise

by Carol Perkins

Paradise is blessed with many creeks, headwaters for tributaries to Butte Creek and Dry Creek. But these creeks seem to be considered a curse. The cure: move water as quickly as possible through the town limits, treating it more like toxic waste than a life-sustaining necessity. Sound far-fetched? Not if you check out the Master Drainage Facilities Plan for the Town of Paradise. This outdated plan calls for putting long sections of creeks into underground pipes.

Is this plan in line with the Town General Plan? Perhaps not consistently. BEC stumbled upon this egregious plan when Paradise Irrigation District (PID) responded to our comments to the project's environmental document. The project would pipe 300 feet of the upper end of Clear Creek. After multiple inquiries and hearings, we learned that the plan to pipeline the creek is a combination of forces, PID's desires for their project and the Town's drainage plan. Considering the cumulative effect of the Town's drainage plan, management of the water resources and local ecosystem could be improved.

Creek or Drainage?

PID did an Initial Study and proposed Mitigated Negative Declaration (IS/MND) for their future Corporate Yard project on Clark Road just south of Bille Road. There is still time to get your opinions heard; the public hearing portion of CEQA process is open until the next PID board meeting August 18. (See the PID Corporation Yard – Initial Study at http://paradisairrigation.com/content/index.php/document-library/cat_view/6-reports-a-studies) While the environmental documentation mentions Clear Creek will be piped, it fails to show on any of the diagrams that the creek even exists. It also fails to make any connection to how activities in the headwaters of the Dry Creek watershed will affect fish or aquatic species beyond a five-mile radius. In fact, the IS/MND treats the creek as if its only purpose is as a drainage for runoff and storm water. The project fails to recognize that the overall health of the creek affects wildlife downstream, including Chinook salmon and steelhead trout.

Streambed Alterations and Point-Source Pollution

Construction projects that change a stream or create potential water quality problems require a couple permits. PID will pursue a streambed alteration permit from the Sacramento water branch of California's Department of Fish and Game. An employee I contacted who issues these permits appreciates the pipe, saying that the pipe will protect wildlife from drinking potentially polluted water. Creeks are, however, less polluted than ditches and gutters; the fish and game in and around Paradise appreciate the creeks.

After the Army Corps of Engineers makes a jurisdictional determination (JD) they'll issue a federal Clean Water Act Section 404 permit that requires PID to initiate 401 certification with the Central Valley Regional Water Quality Control Board (CVRWQCB) as part of California's Clean Water Act to protect the quality of the water from construction pollution.

Clear Creek, Tributary to Dry Creek

While the mining activity on Dry Creek at New Era Mine has come to an end at least for now, the county is currently attempting to reclaim the land from the damage created during North Continent Land and Timber's 22-month illegal operation. Yes, the County had approved the operation, but there were no mandatory permits or wastewater discharge requirements protecting the quality of the water. No required agreements allowing streambed alteration, nor the requisite 404 permit and 401 certification protecting Dry Creek during the settling pond construction. While our County failed to stop the madness, costing taxpayers thousands of dollars, the one entity tasked with upholding the law to protect waters of the state, the CVRWQCB, simply turned their backs. Their inaction placed the impossible and expensive task of proving the mine was polluting the stream on concerned citizens.

Contact Information

BEC encourages you to write a letter letting the agencies know how you feel about piping Clear Creek.

George Barber
District Manager, PID
gbarber@paradisairrigation.com

Craig Baker
Town of Paradise
cbaker@townofparadise.com

Chad Dibble
DFG, Water Quality – Water Branch
cdibble@dfg.ca.gov

Scott Zaitz
CVRWQCB
530-224-4784

The Town's Soils Map shows all the creeks in Paradise. See the map online at http://www.townofparadise.com/index.php/all-top-documents/doc_download/322-soils-map

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Wellness Update:

By Mary Muchowski

We are coming up on the end of our four-year grant (in Sept.) from The California Wellness Foundation to conduct toxic awareness in Butte County. This spring we released two new television “commercials” that were aired in March, April and May. We are excited to be able to use this media, and if you missed them, you can view them on our website www.becnet.org by clicking on Alternatives to Toxics, then on the Media link, or on our Facebook site under the Video tab.

Our Alternative Cleaning Solutions workshops continue to be popular and we will be conducting many more this summer. If you know of any group or organization that would like a presentation on why you should, and how you can use safer cleaning products, please call Mary or Julia at 891-6424. At the end of each presentation we let the participants make their own cleaning products. We supply all the ingredients and the containers! We also have an Alternative Lawn and Garden care presentation in the final stages of development.

We have been continuing our outreach education on the amount of mercury in locally caught fish. Many people in the Oroville area have heard something about mercury in local fish; however, they often do not know which fish are highest in mercury. Of the fish in the Feather River and Lake Oroville, trout, salmon and blue gill/sunfish are generally lower in mercury. Bass, catfish and pike minnow have higher mercury content. A notable exception is that Coho (kokanee or land-locked) salmon in Lake Oroville are higher in mercury than the Chinook salmon in the Feather River.

Mercury is found in the muscle (or flesh) of the fish, and thus is not removed if you remove the skin and fatty parts before eating (however, other contaminants such as PCBs and other fat-soluble toxins are removed by this process). Mercury and other contaminants bio-accumulate in animals, so animals at the top of the food web, such as humans and larger fish that eat other fish, can accrue dangerously high levels over time.



Products Linked to

by Julia Murphy

When I read about the study published in the Journal of Pediatrics linking pesticide exposure with ADHD in children, I wasn’t surprised. As a contractor working on wellness issues with the Butte Environmental Council, I’ve read many such articles linking pesticides, household products, and personal care items with everything from asthma to zits. But this particular study was interesting in a different way: it combined a mental health diagnosis with an environmental toxin.

The study’s authors Maryse F. Bouchard, David C. Bellinger, Robert O. Wright and Marc G. Weisskopf examined cross-sectional data from the National Health and Nutrition Survey between 2000-2004 for 1,139 children between the ages of eight and fifteen. 119 of these kids met the diagnostic standard for Attention Deficit/ Hyperactivity Disorder (ADHD).

The study revealed that these kids had twice the organophosphate metabolite (i.e., pesticide traces) in their urine, compared with kids with no detectable metabolite (the non-ADHD-havers).

Organophosphates are esters of phosphoric acid. They’re used as the basis for many insecticides, herbicides, and nerve gases. Some all-star organophosphates are parathion, malathion, chlorpyrifos, diazinon, dichlorvos, tetrachlorvinphos, and azinphos methyl.

These chemicals work by stopping a key enzyme in the nervous system (cholinesterase) from working. When this happens, a neurotransmitter called acetylcholine can no longer be properly controlled, which results in nerve impulses remaining active for longer than they should. This over-stimulates the nerves and muscles and results in symptoms like weakness and muscle paralysis, says the EPA. --From www.sixwise.com (6/15/05).

To avoid exposure to organophosphates, be aware of the following products often containing these chemicals:

- Animal growth promoters
- Cattle treatments
- Flame retardants
- Flea treatments for pets
- Gasoline additives
- Household and garden pesticides
- Lice/nit treatments
- Pesticides for crops—particularly with soft fruit, vegetables and grain products
- Rubber additives
- Stabilizers in lubricating and hydraulic oils
- Synthetic additives
- Wood infestation treatments
- Mosquito spraying/fogging

From the abstract:

These findings support the hypothesis that organophosphate exposure, at levels common among US children, may contribute to ADHD prevalence. Prospective studies are needed to establish whether

Mental Illness

this association is causal.

The list is kind of scary—especially if you happen to have boy-children, who are four times more likely to be diagnosed with ADHD. The diagnosis and pathology of ADHD is like asthma, in that it’s thought to have both environmental and genetic components; but unlike asthma, which has a clear physiological signature and health risk, ADHD is a series of behaviors.

Funny: the same culture that castigates and labels people who show these behaviors that constitute disease ...is the culture that condones the use of poisons that help create the disease. When you examine mental health, you realize that ‘follow the money’ applies as well to this industry as any other. The saddest version of this truism is the medical companies that make agricultural chemicals on the one side, and cancer medications on the other.

Who’s to say Novartis (which makes Ritalin) for example, isn’t investing in organophosphate pesticides?

So to recap: We have poisons, which are used by industry to improve their bottom line, predisposing us to behaviors that our culture then labels as dysfunctional, generally resulting in psychiatric intervention/ medication, which improves that industry’s bottom line. Never mind that our society may have a borderline personality disorder, for starters (“recurrent self-injuring behavior”). Impulsive, restless people have a disease that must be treated. It’s easier than diagnosing and treating our whole society.

I’ll leave you with two handy lists: the Dirty Dozen and the Clean 15. Eat organic on the Dirty Dozen; they’re the highest in pesticide residues. Clean 15: you can eat these without overdosing on chemicals you’d rather do without.

Dirty Dozen:

- | | |
|----------------|---------------------|
| • Celery | • Bell Peppers |
| • Peaches | • Spinach |
| • Strawberries | • Kale |
| • Apples | • Cherries |
| • Blueberries | • Potatoes |
| • Nectarines | • Grapes (Imported) |

Clean 15:

- | | |
|---------------|--------------------|
| 1. Onions | 9. Cabbage |
| 2. Avocado | 10. Eggplant |
| 3. Sweet Corn | 11. Cantaloupe |
| 4. Pineapple | 12. Watermelon |
| 5. Mangos | 13. Grapefruit |
| 6. Sweet Peas | 14. Sweet Potato |
| 7. Asparagus | 15. Honeydew Melon |
| 8. Kiwi | |

Chico, a Gulf of Indoor Toxins

by Carol Alongi

Too many Chico homes, particularly rental units, have indoor biotoxins caused by water damage found in unmaintained buildings. These substandard buildings act as production “factories” of toxic molds and fungi, known as biotoxins. Some biotoxins refuse to live in a human body, but poisonous ones make your human body their home. Biotoxins can be creating all kinds of complex diseases, even at carcinogenic levels. Chronic debilitating and severe degenerative health disorders happen from living with indoor toxins in “sick buildings.”

Most indoor toxins are invisible and airborne during summertime. Chico’s mild wet winters and hot summers are ideal for biotoxin growth. Chico’s hot days dry out the mold and fungi spores, sending them into our air. It does not matter if you can see anything at all. If there is a crack in your wall, behind a cupboard or around a pipe, biotoxins can come into your home from inside the walls. If you have

multiple toxic molds living together they’ll produce microtoxins, the smallest and worst toxins, fighting each other for survival. Without your knowing, every breath you take has the potential of infecting you and anyone who visits.

Since professional testing for biotoxins is very expensive, how can you know if you are being exposed to indoor air toxins inexpensively? Test yourself! Wear a half or full face gas respirator mask at all times in your home. These are far better than N95 disposable face masks. If you feel better, you have indoor toxins. If your home has any signs of mold presence or previous mold or water damage and you have any adverse health reactions like dry coughing, sore throat, respiratory problems, heart palpitations or increasing fatigue, try using the gas respirator while in your home for a week or two, stay out of your home when you take it off, and see if you feel any better.

Chlorine bleach is not a registered EPA mold killing product. It may kill mold on a hard, smooth surface yet not on porous surfaces like wood, clothing, cloth covered furniture or drywall. When you spray mold with bleach, only the water part of the solution soaks

into the wood while the bleach chemical sits on the surface and evaporates. It does not destroy the roots that reproduce the mold. Monique Nivelon of the U.S. EPA in San Francisco states, “Remediating the mold properly and as soon as possible is a must or the mold will continue to spread and the property will devalue more and more. Cosmetic repairs such as painting over, or bleaching the surface, will not be enough: as long as there is water hidden in the structure the mold will eat through the paint or any coating, and this, very fast ... So it would be just a plain waste of money.”

Kill mold and fungi by using borax, white vinegar or rubbing alcohol. Spraying mold with a “killer” is not enough either. Dead toxic mold is still toxic. You must physically get it out of your home.

Not only your health is damaged from indoor toxins, your belongings are contaminated. Moving your toxic belongings into a different home brings your biotoxin problem with you. You cross-contaminate. Remediation (cleaning toxins) costs of your belongings begin at about \$10,000.

Water+mold = Mold growth. Protect yourselves. Be well.

A Case of Pesticide Illness

by Susan Love

We have all heard stories of people’s lives changing abruptly when something unexpected happens that changes their life forever. My life changing event started in 2004. One morning I started driving to an appointment 30 miles away. I was feeling weak and had difficulty getting ready, but I had experienced these symptoms many times before. I didn’t think much about it at the time.

The struggle to drive became more and more difficult with each mile. I could hardly stay awake so I focused intently on my driving. I could tell something horrible was happening to me, but I didn’t know what. The drive home was also very difficult.

Symptoms progressed over the next few days, so I called poison control. I started to put the pieces together. I lived between a large almond orchard and rice fields that extend a continuous 9 miles to the south of my residence, and I thought I could have been exposed to pesticides. Poison control asked me if I had seen a doctor, so I went to the emergency room. I dreaded going because I had been there so many times in the past. This time I explained that I thought that I had been exposed to pesticides, but I don’t think I was taken seriously, or it may just have been that they didn’t quite know how to diagnosis and provide treatment.

According to the physicians I have seen, they have not been given training on diagnosing pesticide exposure and the adverse health effects associated with these exposures. Long-term health studies have not been done to determine the long-term health effects of pesticide exposures.

Products mixes also have not been studied. There are numerous chemicals used today that can cause health problems, and we are not adequately protected from the possibility of being exposed in our daily lives.

I spent the first twenty years of my life on our family’s farm in Butte County and then, after about a twenty year absence, I returned. I started developing symptoms that can be pesticide related. The symptoms developed, subsided and then returned again. Sometimes the symptoms would not be extreme enough to make me feel I needed to see a physician, and other times I felt I needed to go to the emergency room. It wasn’t until sometime in 2003 that I started thinking that many of my symptoms could be related to pesticides. Being that I had always been a very active, athletic and hardworking person, I spent hours researching possibilities for my reoccurring illnesses. Pesticides became my main focus of study.

When I felt I was exposed in June, my symptoms were very extreme and progressed over the next two weeks. My symptoms included muscle and joint aches, weakness, irritability, nausea, blurred vision, throbbing around my thyroid area, sore throat, loss of appetite, difficulty opening my mouth, twitching and tingling in my extremities and thirst. These symptoms worsened to the point of anxiety. My thoughts were “foggy” and my memory was impaired. I had pain in my liver and right kidney area. My left kidney was removed in 1990 due to the formation of cysts. All of these symptoms can be pesticide related. I still live with the long-term effects. I moved from the family farm in late 2005 and still live with the irreversible, long-term effects. I have experienced improvement since moving, but the progress seems slow when one wants to be an active participant in life.

Records of pesticide use in Butte County is available

on the Department of Pesticide Regulation from 1990 to 2008. I was exposed to pesticides from birth and possibly prior to birth. This gives me about 35 years of exposure in Butte County.

Sometimes that flu you think you might have could be pesticide related if you have an exposure. Toxins can build up the in the body over time and contribute to poor health. Some pesticide products have a smell that can help determine if you are breathing the chemicals, but I seldom smelled anything. For more information on symptoms and pesticides, you can refer to the book published by EPA, Recognition and Management of Pesticide Poisonings, which can be found at <http://www.epa.gov/oppfead1/safety/healthcare/handbook/handbook.htm>

A study done in three other areas of California indicated that the peak ozone season for pesticide volatile organic compound emissions are between May 1 and October 30. I completed a study of my emergency room visits and times of disability and then compared it to peak spraying times in my area. I found a positive association between pesticide applications and my personal illness and periods of disability.

In 2008, Butte County used 2,481,130 pounds of pesticide active ingredients, and ranked number 16 for its use of pesticides among California counties in that year. Pesticide active ingredients for the entire state of California listed in the report as 161,531,155 pounds. See http://www.cdpr.ca.gov/docs/pur/pur08rep/lbsby_co_08.pdf

Concern for the environment seems to have become a greater public concern over the last few years. More studies are being done with regards to air and water quality, conservation is being put into practice, and sustainable alternatives in farming are becoming more important to our means of healthily producing food.

The 31st Annual Endangered Species Faire

The 31st Annual Endangered Species Faire went off without a hitch this year, and it was a stunningly beautiful day in Cedar Grove! We had fabulous entertainment all day long including local musicians Outside Voices, Local World, Whipple, and Sekund Naychur. The third and fourth graders from Hooker Oak School composed a music and dance show that was very entertaining! Wild Things brought their animals, both local species and other species from around the world, to educate about why wild animals should remain wild, not pets. They also do a good job of explaining the perils that these animals (and/or their habitats) face.

The primary reason for the Faire is, of course, environmental education (in a fun and entertaining atmosphere), and that was provided in abundance by the local non-profit sector, local, state and federal agencies, and college/high school/elementary school classes. Many of the organizations followed the theme of the Faire, "Lifecycles of the Wild & Endangered," when creating their booths. University of Earth had a beautiful display on the life cycle of the universe (see photo); the U.S. Fish & Wildlife Service had a great display of the life cycles of some of our local endangered species (California red-legged frogs, valley elderberry longhorn beetles and California tiger salamanders);



and the Progressive Schoolhouse students created life cycle wheels.

Special Thanks to our Sponsors!

Sierra Nevada Brewing Company has been continually supporting this Faire since we lost our funding from the California Board of Education, and without their help it would be very hard to continue this tradition. We are extremely grateful for their support. The U.S. Fish & Wildlife Service, F.R.E.E., Pullins Cyclery, the Chico News & Review and University of Earth were also major sponsors!

Several businesses give donations in the way of discounts on products or services, and these include Butte Natural Distributing, A&J Party Rental Center, In-Tent Events, Mt. Shasta Spring Water, Printed Image and Waste Management.

At 30 years old, the Endangered Species Faire is Northern California's oldest environmental faire—kids who attended the Faire years ago are now bringing their own kids to share the fun and education of our marvelous community event. Seeing old friends and making new ones is part of the magic of the Faire, and it's you and the rest of the community that make it so special. We look forward to seeing you again next year!



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September 18th, 2010

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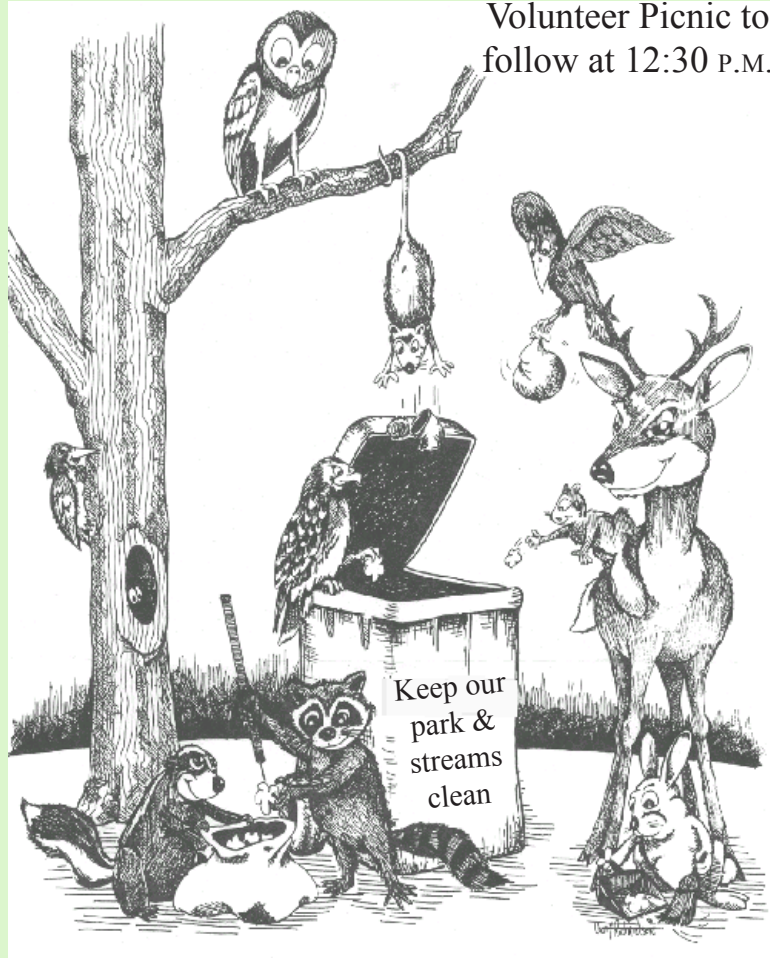
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For more information: 891-6424 www.becnet.org

Stream Team Monitoring On Big Chico Creek

by Timmarie Hamill, The Stream Team

Why Should We Monitor Creeks?

Clean water is a crucial resource imperative to protect. Healthy creek systems like Big Chico Creek are integral to the overall function of a healthy and sustainable water system, and are important for providing safe drinking water, ground water recharge, critical habitat for wildlife, and intrinsic scenic value for our community.

As population growth in the Sacramento Valley continues to swell, associated sources of urban runoff pollutants from tributaries like Big Chico Creek will become more and more important to pinpoint and control. Cumulative impacts from industrial and urban pollution can stress aquatic systems and impair their beneficial functions. Synthetic materials from our roads and automobiles, fertilizers, sewage leaks, sediment, and animal wastes can flow from the land into waterways. Creek monitoring provides baseline information useful for tracking these real and potential impacts. Information collected now will facilitate the ability to track changes over time and help prioritize efforts for identifying sources of pollutants, and appropriate land use changes needed to minimize impacts.

Why Volunteers are Essential

Stream Team volunteers have specific training and expertise about our local environment, which is important for reducing urban pollution from entering our waterways. Through their involvement, understanding of the ecological function of creek systems and awareness of the interdependence between humans and natural resources is improved. Volunteers are dedicated and have a proven capacity to accurately and precisely perform monitoring tasks to ensure data quality objectives are achieved. Equally important, volunteers are instrumental in collecting essential data that would not otherwise be available. Stream Team volunteers are part of an effort to understand human impacts on our local creeks and implement mitigating efforts to keep our water clean.

Beneficial Uses and Water Quality Objectives

Water quality control plans (Basin Plans) are required by the California Water Code (Section 13240) and supported by the Federal Clean Water Act. Basin Plans complement water quality control plans adopted by the State Water Board, and are intended to protect beneficial uses (fish and wildlife habitat, drinking water, agricultural and recreational) of rivers and stream by developing water quality objectives and Best Management Practices (BMPs) to protect those uses.

The City of Chico, Chico Unified School District, and California State University, Chico are required to develop BMPs useful for reducing pollutants in urban storm water when compared to existing levels in a cost-effective manner. Stream Team volunteers track indicator water quality variables including temperature, pH, dissolved oxygen, electrical



2010 Volunteer Water Quality Training Event. Will Gleason, Greg and Morgan Spont, Dave Missal, John Bowman, Robert Dresdon, Timmarie Hamill, Joe Gleason, Cathie Mueller, Jonas, Malie, and Kai Herzog, Anton Dressler, Lynn Harrod

conductivity, turbidity, and bacteria to diagnose whether compliance with water-quality standards and targets are being met, and BMPs established are effective in protecting stream health. Education is a key component influencing human caused pollution, and monitoring objectives are linked with watershed and storm water education to encourage public understanding that pollution is washed into street gutters and carried via storm drains untreated into local creeks, which if not managed can harm wildlife, and negatively impact water quality. Copies of the Basin Plan are available on the Regional Water Board’s web site: <http://www.swrcb.ca.gov/~rwqcb5/home.html>

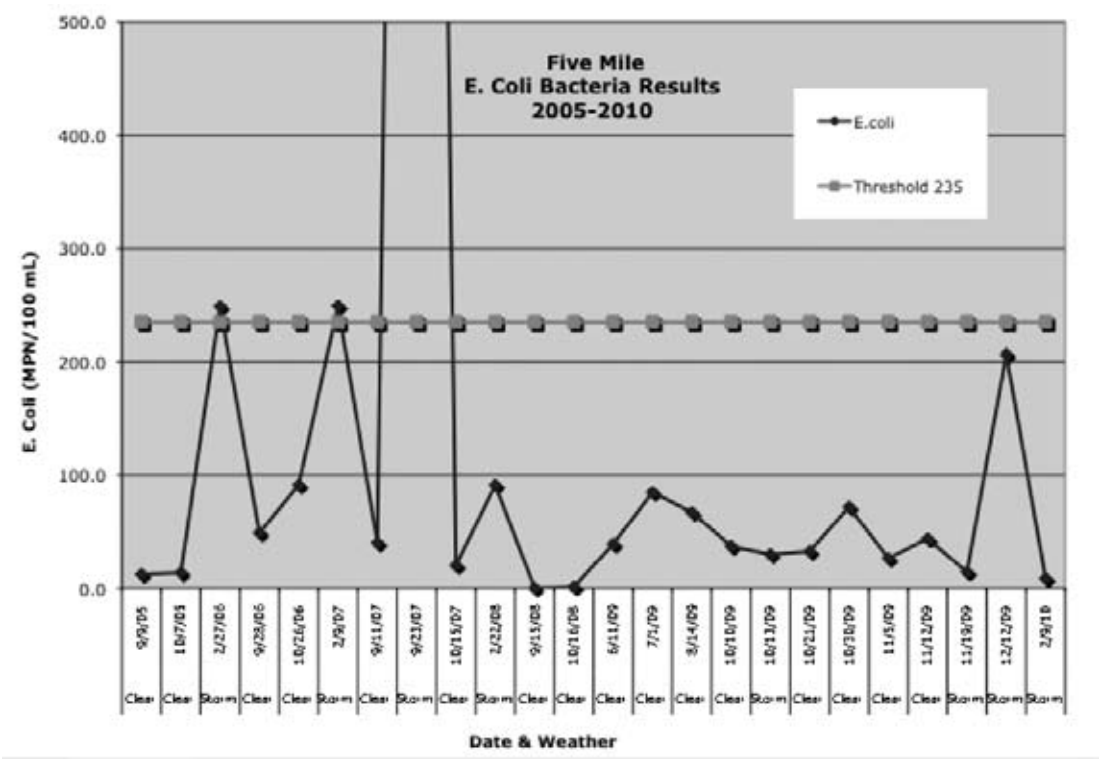
Are Thresholds for Beneficial Uses Being Met?

In waters with beneficial uses designated for contact

recreation (REC-1), Basin Plan objectives for E. coli bacteria concentrations, are based on a minimum of not less than five samples equally spaced over a 30-day period, and shall not exceed a geometric mean of 126/100 ml. For any single sample E. coli concentrations shall not exceed 235/100 ml.

How You Can Help

Stream Team volunteer monitors meet at 9AM at Five Mile Recreation Area, the 2nd Saturday of each month, from April through October. Volunteers provide a snapshot of the health of Big Chico Creek by collecting data at ten different sites during each event. Each team typically monitors one or two of the sites per event. Training is provided. To become a Stream Team volunteer, contact thamill@thestreamteam.org, 530-342-6620.



The General Plan – How Clean and Green?

by Pamela Posey

The efforts of the City Council, Planning Staff and Commissioners need to be applauded for the daunting task of developing a comprehensive plan to guide Chico through the next 20 years. Also to be applauded is their stance on being aggressive about smart growth and taking pressure off building in the outlying areas. However, there are still concerns regarding sprawl and impacts on the environment that need to be addressed. Another concern to be considered is what we are leaving or not leaving for future generations. Is the General Plan really a “clean and green” document?

One concern is attaining Goal CIRC-9 which is to reduce congestion and increase the use of alternatives to single occupant vehicles. The City has a goal to reduce citywide greenhouse gas emissions 25% by 2020. Studies have shown that autos are already causing 54% of citywide emissions. The proposed South (Entler) and East (Doe Mill/Honey Run Special Planning Area, SPA) Chico developments with 2,000 + homes and retail/commercial centers would be built far from the urban core, with an historic average of 10 trips per day to town per unit, which will severely impact these goals and plans. Building in outlying areas will produce millions of tons of greenhouse gas emissions, increase already congested thruways on Bruce Road, E. 20th Street, the Skyway and Highway 99, and limit the opportunities for city employees and other commuters to use modes of transportation other than single-occupant vehicles. Chico does not meet current state and federal air quality standards, and these developments would only make it more difficult to do so. Chico should follow the goals of the General Plan and maintain a compact, urban form.

The second concern is the Fiscal Impacts on city services for these developments. The city's share of property taxes is not currently sufficient to pay for necessary services such as police, fire, public works and infrastructure, and these developments will only stretch these services thinner and reduce overall service to all. Developer fees, alone, will not support these developments. The actual growth rate for Chico, minus annexation, has been only 1% for the past year. Question: is this an anomaly or is this the trend for the future? Currently, there are 3,000 units already entitled, hundreds of homes are in foreclosure, there are two malls that are struggling, the downtown has numerous empty storefronts, and there are blighted neighborhoods that qualify for redevelopment funds. The perceived need for new development could be readily accommodated with urban infill and redevelopment. This would eliminate the need for the increase of new developments, new roads, and infrastructure while improving the development and maintenance of existing infrastructure and neighborhoods. Do we really want to sacrifice the noble goals of infill, neighborhood improvement, redevelopment, and internal infrastructure in the new General Plan for

sprawling developments into sensitive foothill and creek habitats?

This is a call to write your Chico City Council members about your concerns regarding sprawl into the sensitive foothills that are the eastern border of Chico. Our foothills are the backdrop of Chico providing the view shed we all love, habitat for savannahs and imperiled oak woodlands, groundwater recharge, and Butte Creek, the home of the endangered spring-run Chinook salmon. In following the principles of the Chico General Plan 2030, this environmentally sensitive area needs to be protected as open space. Just say “NO” to the proposed Doe Mill/Honey Run SPA and the South Entler expansion project. Also, please plan on attending the September 28th meeting of the Chico General Plan with your comments regarding the Conservation and Open Space element of the General Plan 2030. You can review this element online at: <http://www.chicogeneralplan.com/library.html#gp>

Click on #10: “Open Space and Environment Element” to read the document.

Native Americans had the philosophy of considering their actions in light of the impacts made Seven Generations into the future. Chico is considering only the next 20 years. Surely we can improve upon this general plan to ensure the quality of life and the enduring beauty of the surrounding foothills and creeks that are so valuable to us and for the children of future generations to come.

As Micheal Pollan has so aptly summarized, “In wildness is the preservation of the world,” Thoreau once wrote; a century later, when many of the wild places are no more, Wendell Berry has proposed this necessary corollary: ‘In human culture is the preservation of wildness.’” (*The Botany of Desire*. 2001) Now is the time for protecting the wildness that surrounds Chico.

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Congratulations to Cathy Harris! Endangered Species Faire Drawing Winner

Cathy Harris of Chico won the grand prize in the annual Endangered Species Faire drawing: a bicycle donated by Pullins Cyclery! When we met Cathy at Pullins, she brought her two daughters with her to get her picture taken with Steve O'Bryan (owner of Pullins Cyclery). Cathy was extremely stoked about winning the bike, and proceeded to tell us that her daughter Caty won a bike from Pullins at the Endangered Species Faire before: 15 years ago! She decided to trade the hybrid Diamondback bicycle in for a mountain bike, and paid Pullins the difference in price. She and her family try to attend the Endangered Species Faire every year, and this year they bought 15 tickets for \$10. It was well worth the investment.

BEC appreciates all who entered the drawing this year, all donations go to the Butte Environmental Council to continue our work of educating and advocating for the land, air and water. It also helps us to continue our work on our toxic awareness education.

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BEC Needs Your Help Now More Than Ever Please give to the Annie B's Community Drive!

This year is a financial struggle for everyone. We all read the headlines concerning unemployment, the drop in home values, investment declines, and business stagnation. However, rarely mentioned are the severe problems experienced by nonprofits. Donations are down and competition for grant monies has increased and will continue to do so. At the same time, the demand for our advocacy and education work continues as we strive to shed light on important environmental issues we face.

We know it may be a struggle for you to make a contribution. **However, would you like to actually increase your contribution to Butte Environmental Council?** It's easy! During the Annie B's Community Drive, the donation you make will be supplemented with a percentage grant from North Valley Community Foundation (NVCF).

How can you help us get this money? Simply make your donation between August 1 and September 30. Gifts must be made on behalf of Butte Environmental Council and mailed to NVCF. In addition to checks, donations may be made online at www.nvcf.org or at our website www.becnet.org. NVCF can also accept gifts of stock, real estate, and other property with value. We receive 100% of these contributions plus a portion of the \$100,000 in grant funds.

This is a major community-wide effort involving close to 200 local nonprofits. In the first two years, 2007 and 2008, a total of \$2 million was donated to participating nonprofits, plus \$200,000 in percentage grants was added by NVCF. Help us get a portion of this money by making your donation through Annie B's.

It is this spirit of cooperation and working together as a community that will get us through these difficult times!

You can also show your support by attending a special Annie B's event on September 3, at the Chico City Plaza, in conjunction with the Thursday Night Market. All Annie B's participants are invited to come and show off. Community members are welcome, but donors from Butte Environmental Council are especially encouraged to attend.

To make a donation to Butte Environmental Council that will be supplemented by funds from Annie B's, you must do the following:

Make your donation after August 1, but no later than September 30.

Make out checks to: Annie B's / Butte Environmental Council

Send your check to: North Valley Community Foundation
3120 Cohasset Road, Suite 8
Chico, CA 95973

Donate online: Visit www.nvcf.org for details or www.becnet.org.

Questions? Call Nikki at 530.891.6424, or NVCF Program Officer, Lee Laney at 891-1150 ext 23.

See businesses below by number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CRV	\$	\$	◆	\$	◆	\$	\$		◆	\$	\$		◆	\$		◆	\$	\$	◆	\$
Glass		\$	◆	\$	◆	\$	◆			◆	\$		◆	◆		◆	◆		◆	
Metal																				
Bi-metal cans		\$	◆			◆	◆			◆			◆	◆		◆	◆		◆	
Tin cans		\$				◆	◆			◆			◆	◆		◆	◆		◆	
Aluminum foil/ pie pans			◆				\$			◆										
Scrap metals		\$		\$		\$					\$	F								
Plastics														◆						
#1 Plastic		\$	◆	◆	◆		\$		◆	◆	\$		◆	◆		◆	◆		◆	
#2 Plastic		\$	◆		◆		\$			◆	\$		◆	◆		◆	◆		◆	
#3-7 Plastic		\$	◆				◆			◆	\$		◆	◆		◆	◆			
Paper																				
Newspaper			◆		◆	◆	\$			◆			◆	◆		◆	◆		◆	
Magazines			◆				◆			◆			◆	◆			◆		◆	
Phone books			◆				◆			◆			◆	◆			◆		◆	
Cardboard			◆		◆	◆	\$			◆			◆	◆			◆		◆	◆
Mixed paper			◆				\$			◆			◆	◆			◆		◆	
Ledger paper			◆				\$			◆			◆	◆			◆		◆	
Hazardous Waste																				
Alkaline batteries			◆					◆	◆					◆						
Car batteries		\$				\$	◆	◆			\$	◆		◆						
Paint								◆						◆	◆					
Pesticides								◆						◆						
Fluorescent lights & ballasts							\$	◆						◆						
Used motor oil							\$	◆				◆		◆	◆		\$			
Anti-freeze								◆						◆	◆					
Miscellaneous																				
Appliances (no freon)		◆				F						F								
Appliances (with freon)												F		F						
Cars														F						
Yard waste							◆					◆	◆							
Ewaste								◆				◆		◆	◆		◆			

◆ Accepts recyclables listed

\$ Cash paid for recyclables listed

F Fee charged to accept recyclables listed

- 1) 20/20 Recycling Centers**
California Department of Conservation
Albertson's, 1050 Oroville Dam Blvd., Oroville
Albertson's, 146 W. East Ave., Chico
Safeway, 1586 Hwy 99, Gridley
Safeway, 1016 W. Sacramento Ave, Chico
Safeway, 1366 East Ave, Chico
Safeway, 6020 Clark Rd, Paradise
T-F 11-5, Sa 8:30-5, Closed 1:30-2
- 2) Aldred Scraps Metals/Steel Mill Recyclers**
786 Oroville-Chico hwy, Durham 342-4930 M-F 8-5
- 3) AS Chico Recycling Saturday Donation Center**
417 Cherry St., Chico, 898-5033
Sat. 10-2:30 www.aschico.com/recycle
- 4) Berry Creek Rental & Recycle**
10 Menzie Lane, Berry Creek, 589-4828, Tu-Su 9-6

- 5) California Vocations (C.O.V.E)**
Curbside recycling in Magalia Paradise, Paradise
Pines, west side of Skyway to Nimshu
877-0937, M-F 8-4
- 6) Chico Scrap Metals**
Chico Scrap Metal South & Nor-Cal Recyclers
Auto bodies (call first), 878 E. 20th St, Chico,
343-7166, M-F 8-12, 1-4,Sa 8-12; 766 Oroville-Chico
Hwy, Durham 345-6241, M-F 8-4
1855 Kusel Rd., Oroville, 532-0262
M-8-4, Tu-F 9-4, Sa 8-12
- 7) Chico Transfer & Recycling**
2569 Scott Ave, Chico, 893-0333,
M-F 8-4. Closed 12-1 for lunch.
www.northvalleydisposal.com
- 8) Butte Co., Household Hazardous Waste Collection Facility** / AC industrial services
1101 Marauder St. (at Chico Airport) 343-5488.
Fri-Sat 9-1, Free to Butte county residents.
- 9) Country Roads Disposal**
Curbside recycling in Bangor, Berry Creek, Feather
Falls & Palermo, 589-3680, M-F 8-5

- 10) Fair St. Recycling - Work Training Center**
2300 Fair Street, Chico. 343-8641
M-F 9-4, Sat 9- 3:30. www.wtcinc.org/fsr.htm
- 11) Joe Verni Recycling**
4980 Lincoln Blvd, Oroville, 534-7402
Tu-F 9-3:30, Sat 9-1
120 Neal Road Recycling & Waste Facility
879. 2350, Toll-free # 866.369. DUMP.
<http://www.buttecounty.net/publicworks>
- 13) Recology Waste Curbside Recycling** 342-4444
- 14) Recology Oroville Recycling Center & Household Hazardous Waste**
2720 S. 5th Ave. Oroville, 533-5868: Recycling
Center, M-Sa 8:30-3:30; Hazardous Waste 1st Friday
of each month: 9:00am to 2:00pm and 3rd Friday
of each month: 9:00am to 2:00pm. Free to City of
Oroville residents. 1-866-HAZCATT (429-2288)
- 15) Ord Ranch Transfer Station & Gridley Household Hazardous Waste Recycling**
Ord Ranch Road, Gridley, 846-0810; Transfer Station
Sa-Su 9-4: Hazardous Waste, 2nd Sunday of month,
Gridley residents only 9-4

- 16) Northern Recycling & Waste Services**
(Paradise Cycles) 920 American Way,
Paradise CA 95969. M-F 8- 5
www.paradiserecycle.com
- 17) Recycle Paradise**
951 American Way, Paradise Holiday Mkt. 14001
Lakeridge Cir. Magalia (CRV, newspaper only);
Stratton's Mkt. 5760 Sawmill Rd, Paradise (CRV,
newspaper only) 877-2777, M-Sat 10-4.
- 18) TOMRA Pacific**
Collins & Denny Mkt. 434 Plumas Ave, Oroville
Raley's Supermarket, 2325 Myers St. Oroville (530)
381-6861, Tu-Sa 9:30-5, Closed 1-1:30
- 19) Waste Management-North Valley Disposal**
Curbside recycling in Chico (893-4777),
Biggs, Durham (by Appt), & Gridley (846-0810)
www.northvalleydisposal.com
- 20) Earthworm Soil Factory**
704 Neal Rd, 895-9676

ADDITIONAL RESOURCES: www.recyclebutte.net

Calendar

On-Going Tuesday Volleyball – Join Yahi Group members and friends for friendly, co-ed volleyball every Tuesday night at 7pm at the Chapman Center (corner of E. 16th Street and B Street in Chico). Cost: \$4 per night. For those at the intermediate level with some volleyball experience. For more information, call Karen, 899-8305 or Betty, 345-7205.

Saturday, August 21st – Media and Speaker Training. Chico Peace and Justice Center. 526 Broadway St., Downtown Chico, 1-3pm.

Saturday, August 21st – Chico Bike Ride Loop (grade 2, class A). Ride beside the Western Pacific Train tracks and CSUC campus. After lunch downtown, we'll check out some campus neighborhoods and Mechoopda Cemetery. Meet at 10AM at West Lindo Avenue and RR tracks. Park on street. Helmets required and bring water and lunch money. Rain cancels. Leader: Gene, 873-1552; Asst. Leader: Carla, 891-6977.

Saturday August 21 – 20th Northern California Regional Land Trust Anniversary Celebration. Dinner, Wine Tasting & Silent Auction, featuring Mossy Creek Band. Time: 6pm to 10pm. Where: Sierra Nevada Big Room, 1075 East 20th St, Chico. Sponsorships available. For more information, please contact: Angie Carpenter 530.894.7738 or angie@landconservation.org.

Saturday, August 21 - California Twilight Tour Farm Sanctuary. California Shelter, Orland, CA. Join us as the sun goes down for a special laid-back tour of the sanctuary. Experience the most peaceful time of the day as our farm animal friends enjoy the cool and quiet before turning in for the night. Following the visit with our rescued residents, enjoy vegan refreshments and mingle with other animal lovers. This popular event is sure to be the highlight of your summer! Guest check-

in begins at 6 p.m., at which time we will offer light refreshments before setting out to visit with our rescued farm animal friends. After the tour, we will regroup in the People Barn for more snacks and music under the stars. The event ends at 9:30 p.m. Tickets for the Twilight Tour cost \$25 per adult and \$15 per child under 13.

Saturday, September 4th – Bumpass Hell to Kings Creek Falls Day Hike (grade 2, class B). See some of Lassen Park's best features as we take this interesting and pretty 8-mile shuttle hike through Bumpass Hell thermal area, past Cold Boiling Lake and on to Kings Creek Falls. Wear layers and sturdy boots. Bring lunch, water and carpool money - 135 miles roundtrip. Rain cancels. Meet at Chico Park & Ride at 8 AM. Leader: Jeanne, 899-9980; Asst. Leaders: Annette, 872-3557; Tesh, 899-1111.

Sunday, September 5 – Invasive Privet Tree Removal. Location to be determined based on results from prior sessions. From 8 to 11 am. Tools, gloves, and water provided. Wear closed-toe shoes and long pants. Sponsored by Friends of Bidwell Park. If a group is coming or you know you'll be arriving late, please call Susan at 321-3406 so we bring enough tools to the work site.

Saturday September 11th – Water Quality Monitoring along Big Chico Creek. From 9 am to noon. Meet at the Five Mile Recreation Area parking lot off Centennial Ave. New volunteers welcome! For more information, call Timmarie at 342-6620. Sponsored by the Big Chico Creek Watershed Alliance.

Saturday, September 11 – Cedar Grove Invasive Plant Removal & Litter Pickup from 1 to 3 pm. Sponsored by Feather River Protogrove ADF. Please call 588-0374 to RSVP.

Sunday, September 12 – 25th Annual Taste of Chico. The 25th Annual Taste of Chico will be held Sunday, September 12, 2010 in Downtown from noon-4pm. This event features 125 or more locally participating restaurants, beverages, vendors, wineries, and breweries; as well as, 4 main stages with live music, artwork and

an Open Air Gallery, shopping, and more. Tickets will be available in August at Tri-Counties Bank locations, Diamond W Western Wear, Thursday Night Markets, and Friday Night Concerts. For more information on the event or becoming a vendor visit <http://www.downtownchico.net/events/dcbaevents/toc>

Sunday, September 12th – Butte County No on Prop 23 Rally. Central Plaza, Downtown Chico. 1-4pm.

Sunday, September 12th – Butte Creek Canyon Exploration (Grade 1, Class B). Help us re-open old trails through public land. This involves about 1400 feet elevation loss and gain and some trail maintenance across rough country. Bring loppers for pruning brush, or a sturdy trash bag. Wear long sleeves and long pants for poison oak, and boots for cross-country travel, as well as swimwear and creek shoes for enjoying the water features before we hike back in the early evening shade of the western canyon wall. Meet at Chico Park & Ride at 10 AM plan to spend the day. Call in advance to confirm hike date, time, and location, and to reserve a map as a reward for your efforts. Leader: Stephen, 876-1391.

Thursday, September 16 – The 4th Annual Wild & Scenic Film Festival. 5:30pm to 6:30pm Sierra Nevada Brewing Company Big Room. 4th Annual Wild & Scenic Film Festival Back in the Sierra Nevada Brewing Company Big Room, September 16, 2010. There's a great line up of independent films, not shown elsewhere. Join us for the buffet at 5:30 and films at 6:30.

Saturday, September 18th – Bidwell Park & Chico Creeks Cleanup. 9:00am to 12:30pm. Come help BEC clean our creeks and park before the rains come! We need everyone's help, so please put this on your calendar. You won't believe the amount of garbage and recyclables that we get out of our local creeks and parks in just 3 ½ hours, which is why we need YOU! We will have a volunteer appreciation picnic afterwards at Hooker Oak Park. Call 891-6424 for more information.

Sunday September 19th – Chico Conservation Voters. Brunch Catered by David Guzzetti. The ARC, 2030 Park Ave., Chico. 10am to 1pm.

September Sunday, September 19 – Durham Bike Ride. A flat leisurely 15 mile ride through orchards and pastures on quiet country roads to Durham Park for lunch, then return to Chico on the Durham Bike Path. Meet at 10am at the Glen Oaks Memorial Park Cemetery office, Hegan Lane and the Midway. Bring water and a lunch (or buy one at the Durham Market). Helmets required. Rain cancels. Leader: Gene, 873-1552; Asst. Leader: Carla, 891-6977.

Thursday thru Sunday, September 23 thru 26 – Monterey Bay Birding Festival. Watsonville, CA Featuring field trips, kayaking, workshops, optics expo, and speakers the Birding Festival has something for everyone, especially beginning birders. The Pajaro Valley and the Monterey Bay region are home to an incredible diversity of habitats – redwood forest, rocky shorelines, sandy beaches with Snowy Plovers, the world-class Elkhorn Slough National Estuary, oak forests and surrounding grasslands at Pinnacles National Monument, the stunning Big Sur coastline with

Steve Miller
Broker



Miller Real Estate

Chico, CA
530-345-6061
email: steveinchico@att.net
CA DRE 01122306

California Condors, and of course, pelagic trips on Monterey Bay – and bird Species. Over 600 species of birds have been found. Contact: 831-724-3900 Email: montereybaybirding@hotmail.com

Saturday, September 25 – Butte Mountain/Carter Meadow Hike (grade 2, class B). A round-trip hike of 9 miles with 1800' elevation gain/loss mostly on the PCT to reach the 7900' summit of Butt Mountain. Along the way we'll have tremendous views to the west and south of Lake Almanor. From the top we'll get a 360 degree view, including Lassen Peak. After the hike we can cool ourselves off in the refreshing waters of Carter Meadows. Bring sunscreen, lunch, plenty of water, windbreaker and \$ for gas. About a 90-100 mile round-trip drive. Meet at Chico Park & Ride at 8:30AM. Leader: Alan, 891-8789 or ajmendoza777@comcast.net; Asst. Leader: Tesh, 899-1111.

Saturday, September 25 – Oroville Salmon Festival & Downtown Street Fair. 10:00am to 4:00pm. Feather River Fish Hatchery and Downer Street between Montgomery and Bird Streets. From 10:00 am-4:00 PM, the fish hatchery celebrates the thousands of spawning salmon that annually make their way from the ocean back to Oroville. Environmental education, music, salmon tasting, tours of the processing plant, and kid's games and activities highlight this free event. Also that day, Historical Downtown Oroville comes alive with a pancake breakfast, a certified farmer's market, live music, a craft fair, and clowns and rides for the kids. These events take place from 9:00 AM-4:00 PM. Across from the hatchery at the Feather River Nature Center, guests can enjoy a continuation of the Maidu Salmon Ceremony with live dancing by local Native Americans. A free shuttle to transport people between events is generally available from 10:00 AM-5:00 PM. For more information, please call the Oroville Chamber of Commerce at 530-538-2542. Or email: info@orovillechamber.net

Saturday, September 25 – Kern River Valley Autumn Nature & Vulture Festival Weldon, CA. Visit the Southern Sierra's Kern River Valley to Experience one of the U.S. and Canada's largest known turkey Vulture migrations and the height of fall land bird migration at desert oases. You will enjoy birds' vultures, geology, botany, natural history, Native American Studies, moths, reptiles, and children's activities. Contact: Kern Valley Nature Festivals, Address: P.O. Box 833, Weldon, CA 93283 or <http://kern.audubon.org/tvfest.htm>

Friday, October 1st – BEC Birthday BASH! Come join BEC to help celebrate our 35th Birthday and our annual membership meeting. You don't need to be a member to attend. Chico Grange Hall (2775 "Old" Nord Ave.). The evening starts at 5:30 with a no-host bar and a community organization fair. Dinner, by David Guzzetti begins at 6:15. Tickets are \$25 each, or \$40 for two. Students \$15, Kids \$10. Music starts at 8:00 and includes the Railflowers and JP Gutierrez, the winner of KZFR's singer/song contest. There will be a member meeting at 7:30.

Saturday October 9th – Water Quality Monitoring along Big Chico Creek. From 9 am to noon, meet at the Five Mile Recreation Area parking lot off Centennial Ave. New volunteers welcome! For more information,

call Timmarie at 342-6620. Sponsored by the Big Chico Creek Watershed Alliance.

Saturday, October 9 – South Rim Loop Hike (grade 2, class 3). A full 12 mile loop of the South Rim of Upper Bidwell Park. We will go out on the Guardians Trail high above Big Chico Creek and enjoy the majestic canyon views all the way to the Ten Mile House road. Our return will be on the Annie Bidwell Trail closer to the creek. Bring lunch, water and comfortable shoes with tread. Meet at 9AM at the trailhead at the end of Chico Canyon Road and Centennial Avenue. Leader: Alan, 891-8789 or ajmendoza777@comcast.net.

Tuesday, October 12th – Peace Institute Discussion: Mad as Hell! The Mad as Hell Doctors, a touring panel of physicians concerned about the State of medical care in this country, come to Chico to advocate single payer health Insurance. Time of Event: 7:30 pm. Location of Event: Chico State School of the Arts: 400 W. 1st Street, Chico, CA - Harlen Adams Theatre (PAC 144) Admission: Free Phone: 530-898-5739.

Saturday, October 16, The 20th Annual Return of the Salmon Festival. Time: 9am – 4pm. Where: Coleman National Fish Hatchery Complex, 24411 Coleman Fish Hatchery Road, Anderson. You are invited to participate in this fun, educational event. Visitors to the festival are treated to watching the fish ladder as the large numbers of magnificent fall Chinook salmon returning to Battle Creek and the hatchery, observe all aspects of day-to-day hatchery operations such as spawning, egg incubation, and juvenile rearing. Visual information sites are located on the hatchery grounds to provide a narrative for visitors to understand life history, habitat requirements, and other biological information. For more Information or if your organization would like to participate, please contact: The Coleman Fish Hatchery Complex: 530-365-8622 or email: sharon_gower@fws.gov or debbie_anderson@fws.gov.

Saturday, October 16 – Deer Creek Fall Colors (grade1, class A). Deer Creek is amazingly colorful in mid October, yellows and reds against the green pines and firs. We will drive to a number of spots between Potato Patch campground and the rest stop. Bring your cameras so you can have gorgeous pictures to view during the dreary days of winter. Meet at the Chico Park & Ride at 9AM. Bring lunch, drinks, and carpool \$. We will return no later than 5:00PM. Leader John 872-8258 Co-leader Jean 899-9980.

Sunday, October 17th – Chico Conservation Voters. Brunch Catered by David Guzzetti. The ARC, 2030 Park Ave., Chico. 10am to 1pm.

Saturday, October 23 – Make a Difference Day in Bidwell Park (conservation). Come make a difference in Bidwell Park working on several projects: habitat restoration, remove litter, remove non-natives, etc. 10am to 1pm. Organized by Bidwell Park Volunteer Coordinator, Lise Smith-Peters at 896-7831. Call leader or Lise for meeting place. Leader: Carla, 891-6977; Asst. Leader: Gene, 873-1552.

Saturday, October 23 – Upper Bidwell Park Full Moon Hike (grade 2, class A). We'll admire the pretty sunset while we eat a sack-lunch dinner atop Bidwell

Park's Upper Rim Trail. Then we'll join the rattlesnakes and coyotes as they howl at the full moon as she rises above the treetops. Our trek continues along the rim, winds down to the canyon floor bathed in moonlight. Return is Yahi Trail along the creek or park road. This is an 8-mile loop with a 750' elevation gain early on. Meet at second Horseshoe Lake parking lot at 4:30PM with dinner, flashlight, and water. Wear layers and sturdy hiking boots at dirt trails can be slippery. Rain cancels. Leader: Jeanne; Asst. Leaders: John, 872-8258; Tesh, 809-1111.

Saturday, October 23rd – Make a Difference Day in Bidwell Park. Come make a difference in Bidwell Park! Project site 1: One Mile Recreation Area--volunteers will work on several projects: habitat restoration, removing litter and helping weed around young oak trees. Meet in the area south of the One Mile restrooms and park in the Sycamore Field parking lot. Project site 2: Upper Bidwell Park trail maintenance. From 10 am to 1 pm, wear closed-toe shoes, tools and water provided. Sponsored by the Chico Park Division. For more information, call the volunteer coordinator, Lise-Smith-Peters, at 896-7831. If you're under 18, please bring release form signed by parent or guardian.

Sunday, October 24th – Butte County No on Prop 23 Rally. Chico Conservation Voters. Central Plaza, Downtown Chico. 1-4pm

Saturday, November 4 thru 6 – This Way to Sustainability VI - "Connecting Communities." A partnership between CSU, Chico and Butte College will be held November 4-6, 2010. Over three days and two campuses, we hope to bring together people who care deeply about the future of the North State and our planet, to learn about pressing sustainability issues, and to create a space for dialogue and action. Teri Randolph Assistant to the Executive Director The Institute for Sustainable Development California State University, Chico <http://www.csuchico.edu/sustainablefuture/> (530) 898-3334.

Saturday, November 13th – Cedar Grove Invasive Plant Removal & Litter Pickup. From 1 to 3 pm. Sponsored by Feather River Protogrove ADF. Please call 588-0374 to RSVP.



Altacal Audubon Society

PO Box 3671, Chico, CA 95927
birdtours@altacal.org
www.altacal.org

American Lung Association

10 Landing Circle, Ste 1
Chico, CA 95926
530.345.5864, Fax: 530.345.6035
www.californialung.org
nvr@northvalleyregion.org

AquAlliance

PO Box 4024, Chico, CA 95927
530.895.9H20
www.aqualliance.org
info@aqualliance.org

Arboretum Management Club, CSUC

Big Chico Creek Restoration
First & Normal Sts., Chico, CA 95929
www.csuchico.edu/amc
pmaslin@csuchico.edu

AS Chico Recycling - Saturday Donation Center

Drop off center: 417 Cherry St., Chico
530.898.5033, Fax: 530.898.6782
www.aschico.com/recycle
asrecycle@csuchico.edu

A.S. Environmental Affairs Council

BMU 203, CSU Chico, Chico, CA 95929
530.898.5701 or 530.218.5820
Fax: 530.898.6014
www.csuchico.edu/eac
asenvironmental@csuchico.edu

Barber Neighborhood Association

(Southwest Chico neighborhood)
barberneighbors@yahoo.com

Barry R. Kirshner Wildlife Foundation

P.O. Box 841, Durham, CA 95938
530.345.1700
admin@kirshner.org
www.kirshner.org

Bidwell Park Endowment Fund

PO Box 3223, Chico, CA 95927-3223
530.345.7265, ptombarratt@sbcglobal.net

Bidwell Wildlife Rehabilitation Center

PO Box 4005, Chico, CA 95927
530.343.9004 (Wildlife Help Phone)

Big Chico Creek Watershed Alliance

PO Box 461, Chico, CA 95927
530.892.2196, www.bigchicocreek.org
coordinator@bigchicocreek.org

Butte Creek Watershed Conservancy

PO Box 1611, Chico, CA 95927
530.893.5399, Fax: 530.893.0694
www.buttecreekwatershed.org
creek@buttecreekwatershed.org

Butte Environmental Council, Inc.

116 W. 2nd St. Ste 3, Chico, CA 95928
530.891.6424, Fax: 530.891.6426
www.becnet.org, staff@becnet.org

Butte Humane Society

2579 Fair St., Chico, CA 95928
530.343.7917, Fax: 530.343.3734
www.buttehumane.org
shelter@buttehumane.org

California Conservation Corps

2725 Hwy 32, Ste F Chico, CA 95973
530.894.0495, www.ccc.ca.gov

California Native Plant Society

2707 K Street, Suite 1
Sacramento, CA 95816
916.447.2677, Fax: 916.447.2727
cnps@cnps.org, www.cnps.org

California Native Plant Society

Mt Lassen Chapter
PO Box 3212, Chico, CA 95927
530.343.8240
wyethia@earthlink.net

California Wildlife Foundation/California Oak

428 13th St. Ste. 10A
Oakland, CA 94612
510.763.0282, Fax: 510.208.4435
www.californiaoaks.org
oakstaff@californiaoaks.org

California Sportfishing Protection Alliance

1316 Neilson St., Berkeley, CA 94702
510.526.4049; jbeuttler@aol.com
www.calsport.org

California Wilderness Coalition

1212 Broadway, Ste. 1700
Oakland, CA 94612
510.451.1450, Fax: 510.451.1445

CARE (Chico Advocates for a Responsible Economy)

PO Box 7647, Chico 95927
www.chicocares.org, info@chicocares.org

Chapman-Mulberry Neighborhood Organization

C/O Supervisor Jane Dolan
District 2, Butte County
196 Memorial Way, Chico, CA 95926
530.891.2830, F: 530.879.2479
Jdolan@buttecounty.net

Cherokee Preservation Society

530.534.0400, Fax: 530.534.0400

Chico Avenues Neighborhood Association

PO Box 4510, Chico, CA 95927
www.chicoavenues.org, chicoavenues@gmail.com,
chicoavenues@sbcglobal.net

Chico Certified Farmer's Market

305 Wall St., Chico, CA 95928
530.893.3276, Karrottalk@aol.com
Terry Givens, Market Manager

Chico Creek Nature Center

1968 E. 8th St., Chico, California 95928
530.891.4671, Fax: 530.891.0837
www.chico.com/naturecenter, naturecenter@chico.com

ChicoEco

379 E 10th Ave, Chico
530.892.1227, www.chicoeco.org
nanibay@hotmail.com

Chico Food Not Bombs

chicofnb@gmail.com
(530) 893-5772

Chico Grange

2775 Nord Ave., Chico, CA 95926
530.895.1817
www.chicogrange.org

Chico Greenline Coalition

PO Box 3524, Chico, CA 95927
www.chicogreenline.com
info@chicogreenline.com

Chico Natural Foods Coop

818 Main St., Chico, CA 95928
530.891.1713, www.chiconatural.com

Chico Peace and Justice Center

526 Broadway, Chico, CA 95928
530.893.9078, www.chico-peace.org
chico-peace@sbcglobal.net

Chico Tree Enhancement & Education Program

PO Box 68, Forest Ranch, CA 95942
530.895.0866 *2, roger@streaminders.org

Chico U-Lock-It Storage

E-Waste Recycle Center
1909 Dr. Martin Luther King Jr. Pkwy.
Chico, CA 95928
www.chicoulokit.com/E-Waste.html
chicoulokit@sbcglobal.net

Chico Velo Cycling Club

PO Box 2285, Chico, CA 95927
530.343.8356, Fax: 530.342.4646
800.482.2453, www.chicovelo.org
ed@chicovelo.org

Community Action Volunteers in Education (CAVE)

BMU 309, 3rd Floor, CSU Chico, Chico, CA 95929
530.898.5817, Fax: 530.898.6431
caveclerical@csuchico.edu, www.aschico.com/cave

CLIC Community Legal Information Center, CSUC

Environmental Advocates
25 Main Street Ste. 102
Chico, CA 95929-0190,
530.898.4354, Fax: 530.898.4911
www.csuchico.edu/clic/ea
clic@csuchico.edu

Environmental Action & Resource Center

CSU Chico, BMU 301, Chico, CA 95929
530.898.5676, Fax: 530.898.6782
www.csuchico.edu/earc
earc@csuchico.edu

Environmental Water Caucus (EWC)

319 Lenox St., Oakland, CA 94610
Land: 510.893.1330; Cell: 510.693.4979
Fax: 510.893.1331; www.ewccalifornia.org
dnesmith@ewccalifornia.org

Farm Sanctuary

PO Box 1065, Orland, CA 95963
530.865.4617, Fax: 530.865.4622
www.farmsanctuary.org
info@farmsanctuary.org

Flying Mammal Rescue of California

916.838.7002
admin@flyingmammalrescue.org
www.flyingmammalrescue.org

Friends of Bidwell Park

PO Box 3036, Chico, CA 95927
530.892.1666
www.friendsofbidwellpark.org
info@friendsofbidwellpark.org

Friends of Butte Creek

PO Box 3305, Chico, CA 95928
530.893.0360 Allen Harthorn
Executive Director 530.228.5342
friends@buttecreek.org
www.buttecreek.org

Friends of the Biological Sciences Herbarium

CSU Chico, Chico, CA 95929
530.898.5381, ljaneway@csuchico.edu
www.csuchico.edu/biol/Herb/Friends.html

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e-mail: billcarter@chico.com

Friends of Plumas Wilderness

P.O. Box 1749
Quincy, CA 95971-0207
(530) 283-1230

Friends of the River

915 20th St., Sacramento, CA 95814
www.friendsoftheriver.org
info@friendsoftheriver.org
916.442.3155, Fax: 916.442.3396

GRUB (Growing Resourcefully United Bellies)

CSA Program 530.680.4543 grubchico@yahoo.com
Education Program 530.354.1646
srwilliams@holymonkey.com
www.grubchico.org

Habitat for Humanity

2288 Park Ave Ste A, Chico, CA 95926
Mail: PO Box 3073, Chico CA 95927
530.343.7423, www.buttehabitat.org
tritter@buttehabitat.org

Humanity Rising

P.O. Box 528 Chico Ca 95927
530.899.7719

Institute for Sustainable Development

CSU Chico, Chico, CA 95929
530.898.3333, Fax: 898.3336
sustainability@csuchico.edu
http://www.csuchico.edu/sustainablefuture/

Kids & Creeks

PO Box 3271, Chico, CA 95927
530.895.1749, contact@kidsandcreeks.org
www.kidsandcreeks.org

KZFR

341 Boradway St Ste 411, Chico, CA 95927
530.895.0706, Fax: 530.895.0775
Studio: 530.895.0131, On Air: 530.895.0167
www.kzfr.org, G.M.: gm@kzfr.org

Lassen Forest Preservation Group

1540 Vilas Road, Cohasset, CA 95973
530.342.1641

Little Chico Creek Watershed Group

379 E 10th Ave, Chico, CA 95926
530.892.1227; nanibay@hotmail.com

Middle Mountain Foundation

PO Box 3359, Yuba City, CA 95992-3359
530.671.6116, www.middlemountain.org
middlesmountain@yahoo.com

Mill Creek Watershed Conservancy

40652 Hwy 36 East, Mill Creek, CA 96061
Phone & Fax: 530.595.4470
milcrk1@aol.com

Neighbors for Environmental & Fiscal Responsibility (NEFR)

PO Box 4512, Chico, CA 95927-4512

Northern California Regional Land Trust

167 E. Third Ave, Chico, CA 95926
530.894.7738, Fax: 530.894.7738
www.landconservation.org
jwatts@landconservation

Paws of Chico

PO Box 93, Chico, CA 95927
530.895.2109, chicospayneuter@gmail.com
www.chicospayneuter.org

Plumas Forest Project

PO Box 11, Blairsden, CA 96103
530.836.0461, John Preschutti
jpreschutti@directorypath.net

River Partners

580 Vallombrosa Ave, Chico, CA 95926
Mona Cross, Executive Assistant
530.894.5401 ext 223
www.riverpartners.org
info@riverpartners.org

Sacramento River Preservation Trust

631 Flume St., Box 5366, Chico 95927
530.345.1865, Fax: 530.899.5105
www.sacriverttrust.org
jmerz@sacriverttrust.org

Sacramento River Watershed Program

PO Box 188585, Sacramento, CA 95818
916.549.4017, www.sacrivert.org marylee@sacrivert.org
Watershed Resource Specialist, Sara Martin
sara@sacrivert.org Monitoring Coordinator Kathy Russick
kathy@sacrivert.org

Shady Creek Outdoor School

(formerly known as Woodleaf Outdoor School)
530.822.2948b 530.292.3436, georges@sutter.k12.ca.us
www.shadycreek.org

Sierra Club, Yahi Group

Mother Lode Chapter, Sierra Club
801 K Street, Suite 2700
Sacramento, CA 95814 phone: 916.557.1100 ext .119 fax:
916.557.9669 www.motherlode.sierraclub.org/yahi

Sierra Forest Legacy

915 20th St., Sacramento, CA 95811
916.442.3155 x207, Fax: 916.442.3396
craig@sierraforestlegacy.org

South Chico Neighborhood Association

PO Box 3582, Chico, CA 95927
guzzettidavid@yahoo.com

Southwest Chico Neighborhood Association

www.swchicoe.org, swcna@swchicoe.org

South Campus Neighborhood Council

Attn: Charlie Pruesser
1405 W 3rd St, Chico, CA 95928

Streaminders

PO Box 68, Forest Ranch, CA 95942
530.895.0866, roger@streaminders.org
www.streaminders.org

The Cause

530.895.8852
www.bethecause.org

The Bidwell Ranch Conservancy

Chico, CA, 530.345.7205

The Esplanade League

PO Box 4868, Chico, CA 95927
www.esplanadeleague.org
eleague@shocking.com

The Nature Conservancy

Northern Central Valley
500 Main St., Ste. B, Chico, CA 95928
530.897.6370, Fax: 530.342.0257
www.nature.org

Torres Community Shelter

101 Silver Dollar Way, Chico 95928
530.891.9048, www.chicosshelter.org
louise@digitalpath.net

Trout Unlimited

1808 B 5th St., Berkeley, CA 94710
510.528.4164, www.tu.org

Upper Ridge Wilderness Areas, Inc

PO Box 154, Magalia, CA 95954
530.873.6396, magahoff@aol.com

Valley Water Protection Association

7399 Hwy. 99, Oroville, CA 95965
530.343.0916, colewaterinfo@yahoo.com

Vallombrosa Avenue Neighborhood Association

2096 Vallombrosa Ave, Chico, CA 95926



*Birthday
BASH!*



*Friday
October 1st,
2010*

Chico Grange Hall
(2775 "Old" Nord Ave)

5:30 No Host Bar / Community Fair
6:15 Guzzetti Dinner
7:30 BEC Membership Meeting
8:00 MUSIC!
(featuring the Railflowers
& JP Gutierrez)

Tickets:
\$25 each or \$40 for 2
\$15 Students
\$10 children



891-6424
www.becnet.org

Revised Tuscan Study Goes Forward



This is just one example of effective environmental advocacy that a BEC membership helps make possible.

Two years ago, the Butte County Water and Resource Conservation Department proposed a Lower Tuscan Aquifer (LTA) investigation that involved new production wells, failed to properly address analysis of existing data, and the entire project was premised on the dependence of increased utilization of the lower aquifer system. Over this past year, BEC's advocacy team has worked to educate and advocate for a plan that would help lessen the environmental impact of this investigation. Through our efforts, the County has worked to collaborate with landowners who depend on groundwater for irrigation to run pump tests during the regular irrigation season when the aquifer experiences the greatest stress and without any extra pumping for the tests. BEC was successful in encouraging the County to place greater emphasis on reassessing the analysis of previous studies that have taken place across the North Sacramento Valley. The new LTA investigation plan includes three new much-needed monitoring wells for protecting our water resources.

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