

# Environmental News

Fall 2000  
Volume 6 Number 3

A Publication of the Butte Environmental Council  
Butte County's Leading Environmental Advocacy, Education and Referral Resource

## Shark Pesticide *Drift Report*

### Rice Growers' War on Weeds Continues.

by Tim Stroshane

Neither aerial applicators or rice growers were negligent in a two-week pesticide drift incident in May 1999 throughout the Sacramento Valley, according to a state investigation. While the cause of the drift of the herbicide Shark remains mysterious, the effects of drift on Valley orchard crops in 1999 were less than originally feared.



After pesticide application, irrigation water must stand in a rice paddy several days before it is drained

Worse, because Shark breaks down in water without a trace within days of application, the state did no studies of the ecological effects of Shark drift on aquatic habitats at the time of the incident. Shark, the brand name of its active ingredient carfentrazone-ethyl, was allowed for use by the California Department of Pesticide Regulation (DPR) because of an emergency exemption authorized by the U.S. Environmental Protection Agency (EPA) under Section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

DPR's Pesticide Enforcement Branch recommends in its Shark report that the chemical be "listed as a restricted material" once it is registered, under California Food and Agriculture Code Section 14004.5. That law requires DPR to identify and regulate "restricted materials" which would impair public health, and pose hazards (including from persistent soil residues) to workers, soils, crops, domestic animals, streams, lakes and wildlife sanctuaries.

However, Shark has not yet been listed by DPR because it is not yet registered for use on California rice. As a "Section 18 emergency exemption" chemical, it is already subject to similar restrictions under EPA regulations as those in the Food and Agriculture Code. EPA also considers Shark to be a "reduced risk" pesticide.

Shark is intended for use as an herbicide to control the early emergence of broadleaf weeds in rice paddies, such as California



Prunes damaged by drifting pesticides in Sutter County.

arrowhead (*sagittaria montevidensis*) and ricefield bulrush (*scirpus muchronatus*). Growers believe that without some sort of herbicidal treatment, huge losses would result from aggressive — and increasingly pesticide-resistant — weedy species crowding out their rice crops.

Ironically, emergency Shark use was justified to EPA as necessary by California's rice industry to address limitations placed on other herbicides growers had previously used and with which they'd had drift problems. Regulators originally curtailed use of phenoxy herbicides such as 2,4-D and MCPA (which had low application costs) due to drift problems, misapplication, and groundwater contamination.

However, propanil, the growers' choice to replace the phenoxy herbicides, is toxic to orchard trees, particularly prunes, which are common through out the Sacramento Valley region. Rice growers hoped propanil would

manage their weed problems, but its use was restricted by 4-mile buffer zones adjacent to prune orchards.

Hoping to reduce the liabilities of propanil and phenoxy herbicide use on their rice paddies, Sacramento Valley rice growers tried spraying Shark on nearly 18,700 acres of rice fields between May 10th and May 27th last year, the date on which DPR revoked Shark's May 7th Section 18 authorization.

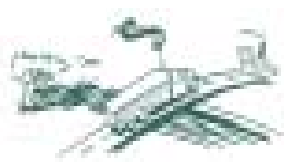
By then, the state reports 7,227 pounds of Shark — nearly four tons of the herbicide — had been sprayed over seven different Sacramento valley counties (Yuba, Sutter, Butte, Colusa, Glenn, Tehama, and Placer). Butte County rice growers sprayed nearly 4,000 pounds of Shark, a clear majority of the overall applications at the time.

As the herbicide drifted over neighboring orchards and towns, small black or brown lesions appeared on emerging fruit

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## Neighbors Fight City-Funded "Grand Entrance" for Hegan Lane Industrial Park (HLIP)



*Neighbors for Environmental and Fiscal Responsibility (Neighbors)*, a citizen's group, has formed to oppose the Otterson Drive Extension, with the slogan "Saving Creeks / Saving Money". They are sponsoring a voter referendum drive to stop the project, and invite the public to join them. The group came together in response to the July 5 decision by the Chico City Council to approve the taxpayer-funded \$2.7 million Otterson Drive Extension. *Neighbors'* members are outraged at the use of

public funds to destroy precious creekside greenway while not improving traffic impacts. The residents of this neighborhood fear that the project will increase truck traffic and speeding through the narrow, residential streets, endangering children, and resulting in decreased property values. In addition, the \$2.7 million dollar project is potentially just the beginning of costs as the project approved by Council also includes the construction of two more bridges in the future: more millions of taxpayer subsidies.

Opponents of the Otterson Drive Extension were shocked that the strong arguments opposing the project were not even given consideration by the Council majority on July 5th. After close to five hours of public testimony, in a 4 to 3 vote, Council conceptually approved the project in less than ten minutes: Rick Keene, Steve Bertagna, Dan Herbert and Sheryl Lange voted for, David Guzzetti, Coleen Jarvis, and Maureen Kirk opposed.

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## Environmental News

Fall 2000

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The *Environmental News* is published quarterly. The *Environmental News* covers all environmental news and events for Butte County. To submit articles or events for the Environmental Calendar, contact Barbara Vlamis at BEC, (530) 891-6424. All articles submitted to the *Environmental News* should be typed and double spaced, and submitted on a 3.5 inch PC or Mac diskette or sent via E-mail to [staff@becnet.org](mailto:staff@becnet.org). Articles must be submitted 30 days before publication. All articles must include the author's name, address and telephone number. BEC reserves the right to edit all work for reasons of space, clarity or libel. The opinions expressed by article contributors are not necessarily those of BEC. Photos and artwork will be returned if requested. The *Environmental News* Copyright 2000 is a publication of the Butte Environmental Council. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means; electronic, mechanical, photocopy, recording or otherwise, without the prior written permission of the publisher.

### BEC



The Butte Environmental Council (BEC) is a non-profit corporation. Founded in 1975, BEC is devoted to environmental education and information referral services, and advocacy. BEC is located at 116 W. Second Street, #3, Chico, CA 95928, (530) 891-6424. BEC is open Monday through Thursday, 9:30 am to 1 pm (business only), 1:30 pm to 5 pm (open to public).

#### How to Join BEC

To join BEC, just fill out the membership form on the back page of this paper. Yearly memberships are:

\$20	Low income	\$100	Wetlands Watch
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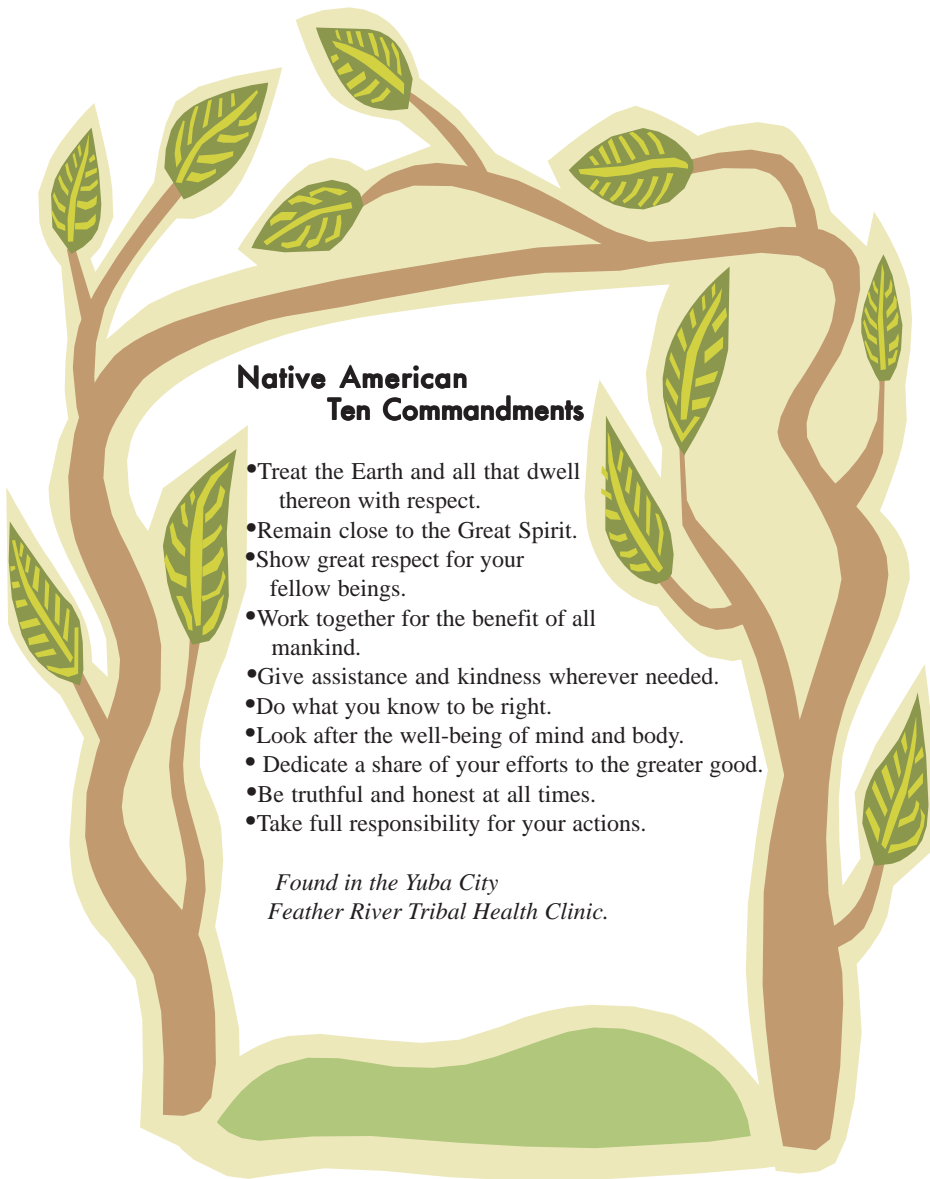
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### Native American Ten Commandments

- Treat the Earth and all that dwell thereon with respect.
- Remain close to the Great Spirit.
- Show great respect for your fellow beings.
- Work together for the benefit of all mankind.
- Give assistance and kindness wherever needed.
- Do what you know to be right.
- Look after the well-being of mind and body.
- Dedicate a share of your efforts to the greater good.
- Be truthful and honest at all times.
- Take full responsibility for your actions.

*Found in the Yuba City  
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Farm Sanctuary's Orland, California shelter is open to visitors on Saturdays and for special events, and the organization also offers various volunteer opportunities.

For more information call 530-865-4617; write P.O. Box 1065, Orland, CA 95963; or e-mail west@farmsanctuary.org. You can learn more about Farm Sanctuary by visiting their website: [www.farmsanctuary.org](http://www.farmsanctuary.org).

National Office: PO Box 150, Watkins Glen, NY 14891

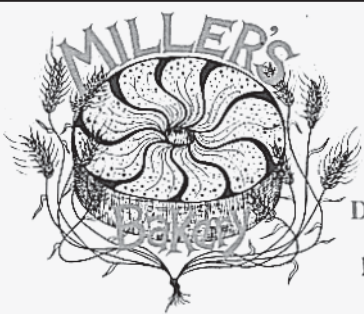
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### "Quote" of the Season

"The genius of our system is that ordinary people go out and vote against their interests... The way our ruling class keeps out of sight is one of the great stunts in the political history of any country."

Gore Vidal,

From an interview in The Progressive, September 1986



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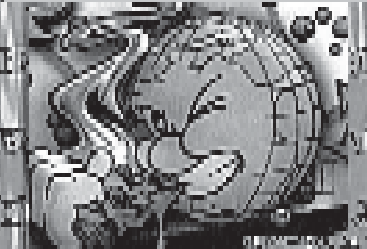
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“Otterson Drive” continued from page 1

The City Council decision flaunts strong community opposition, and disregards the EIR, which states, “Thus, it appears that construction of the project is not necessary from a traffic operations perspective” and that “mitigation measures proposed for the No Project Alternative are sufficient to create acceptable levels of service.” Mitigation measures referred to in this context are simply the installation of several right and left turn lanes and an additional traffic signal. Therefore, the Otterson Drive Extension project would not fulfill traffic objectives for all motorists any better than inexpensive and non-intrusive measures.

In addition, the Council’s decision to accept the project would require a zoning change and general plan amendment. The project would result in “unavoidable significant impacts” to this section of Comanche Creek. Riparian, wetland and oak woodland habitats are in rapid decline throughout California, and environmental law requires “overriding considerations” in order to develop this area.

During the hearing it became clear that the main impetus for this expensive and environmentally destructive project is to provide, at City expense, an attractive *grand entrance* for the Hegan Lane Industrial Park (HLIP), so that truck traffic may drive to and from East Park Avenue through this lovely riparian area, across the beautiful clear waters of the creek, to their final destinations. All the traffic will still be funneled through the already impacted intersection at Park and East Park Avenues and down East Park Avenue. The level of service at the intersection will be severely degraded to “F” and only returned to the current impacted level “D” after mitigation (see **Level D** sidebar).

Proponents claim that such an entrance is needed for the success of the Industrial Park, and that the citizens of Chico should foot the bill. Their argument cannot possibly outweigh the value of the land as riparian greenway, without the noisy, smelly, polluting, dangerous intrusion of roads, bridges and traffic. Also, considering that such a “grand entrance” might make the HLIP more competitive over other industrial-zoned acreage in the area, such a project should certainly not be publicly funded.

Proponents of the project appear to include only the big money interests of the community, the Chamber of Commerce and the Chico Economic and Planning Corporation (CEPCO). They claim that the remainder of the land that is not paved will be donated for a creekside park. Anyone who values the nurturing peace and quiet of natural areas knows that the value such a “park” would be destroyed by 10,000

vehicle trips per day roaring across the creek - plus, as stated in the EIR, damage to the habitat for wild life would be irreparable.

It is difficult to understand how the City Council can justify spending such a huge sum of public money for the questionable profit of a small number of private developers. They intend to use Redevelopment and Park Acquisition funds for the project. What current or future projects would this delay or eliminate? How many citizens, roads, businesses would be affected by such a transfer of funds? What could be done with this money that would truly benefit a majority of Chico residents? A few years ago, the plan for a recreation center for Chico children was dropped because the City claimed not to have enough redevelopment money for it.

Once an area such as this is developed, it’s gone. Paved roads and bridges will forever alter the now pristine beauty and richness of this wild acreage. Preserved, this jewel of remaining wild land could become the centerpiece of future development in southwest Chico, raising the economic, social and environmental value of the entire area. *Neighbors* invites the public to stand up to the irresponsible use of public funds and the failure to address overall traffic impacts through the blatant disregard for the concerns of the Southwest Chico community and its irreplaceable spot of creekside greenway.

**Neighborhood Planning-** The Chico City Council could avoid adversarial community relations by initiating the Planning Commission’s proposed neighborhood planning strategy from 1998. The Chico General Plan emphasized the importance of neighborhoods and encouraged bringing people together to discuss concerns, needs, and ideas for their section of Chico. If this had been done for the southwest Chico neighborhood near Comanche Creek, consensus between businesses and neighbors could have been found. Unfortunately, a Council majority still pursues a top-down form of decision-making that caters to special interests and not the whole community.

Level D

- Conditions approach unstable flow
- Tolerable speeds can be maintained but temporary restrictions may cause extensive delays
- Little freedom to maneuver
- Comfort and convenience low
- At intersection, some motorists, especially those making left turns, may wait through one or more signal changes

Here’s how help is needed:

- Attend the City Council meeting, September 5, 7:30 p.m.
- Gather signatures for the referendum
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- Send donations to: P.O. Box 4512, Chico CA 95927. Make checks payable “Saving Creeks / Saving Money”.

# California Oaks Threatened with Extinction

By Jim Brobeck

Tanoak is an important acorn-producing tree common to California coastal forests and some areas in the Sierra Nevadas. Indigenous people ground flour from the large acorns after removing the shells and washing the seeds to remove the bitter taste. Wildlife relies on the acorns in the dense stands of this tree that was named after its primary commercial use as a source of tannin for leather making.

Five years ago a small patch of Tanoak suffered an attack of a disease that is now known as sudden oak death syndrome. Dr. Pavel Svihra, a horticulturist at the University of California at Davis, discovered the disease in 1995 when he was called by homeowners in the town of Mill Valley to inspect dying Tanoak trees that bordered their backyards. But for years he was unable to arouse the interest of other scientists, who dismissed the problem as trivial.

Since then the disease appears to have spread rapidly, showing up in forests along 350 miles of coast from far northern into central California. Even more alarming, the fungus attack has jumped into other species of trees including live oaks and black oaks.

Plant pathologists at the University of Davis have discovered the disease is caused by a fungus- like organism known as Phytophthora. Relatives of this particular oak killing species caused the Irish potato blight. Another relative is killing oak trees in Europe and eucalyptus trees in Australia.

Infection by Phytophthora causes the tree to bleed red sap from the trunk. The weakened tree is then attacked by beetles that create a patina of sawdust on the bark and by fungi that further weaken the tree. When the oak finally surrenders, the leaves suddenly turn from green to brown.

Thousands of animal species rely on leaves and acorns from these trees. The effects of eliminating oaks from the landscape will be catastrophic. Dutch elm disease and Chestnut blight eliminated a dominant component of hardwoods from eastern forests. The extinction of California oaks would change forever the character of our region, possibly resulting in drastic climate and hydrologic regimes. The oak forests of California have been severely

degraded by domestic animal grazing, wood cutting and urban intrusion. These oak lands are essential to the survival of our most productive ecosystems.

Wild land managers are trying to adopt new strategies to preserve oak lands and the introduction of this virulent strain of Phytophthora is an unwelcome variable.

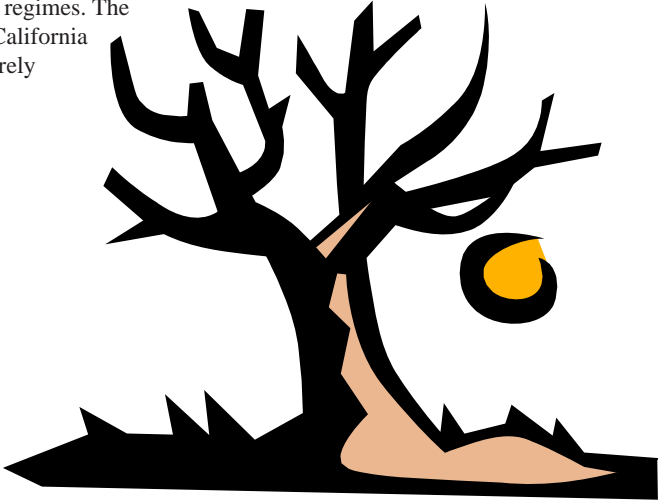
Dead oak trees burn ferociously. Concern is growing over the fire risk posed by the rapid accumulation of dead trees in already fire-prone areas.

The rapid spread of the disease is a major concern and scientists are struggling to understand how it is moving from grove to grove. Researchers don’t know how far the disease will spread or how many trees have been effected. Perhaps millions of trees have already died and if the Phytophthora can survive a variety of climates it may spread throughout California and North America. Phytophthora makes a spore that can swim. The disease could move in water, as the

spores of other Phytophthora species are known to do. But the disease could also have spores that are moving via soil, wind, beetle feet, hiking shoes or tires. With the disease prevalent in state parks, neighborhoods and other areas frequented by humans, some suspect humans are the primary vectors.

Homeowners who have magnificent specimens of Live Oak on their property are desperate and are turning to dangerous pesticides in a futile attempt to save their trees. Even more alarming is the uprooting and transporting of diseased trees that may accelerate the spread of Phytophthora to other locations. Scientists have begun calling for action, including quarantines on the movement of oak wood and living oak trees. Land managers are asking visitors to affected areas to clean the dirt off their shoes and tires and to not transport wood from coastal groves.

Even more alarming, the fungus attack has jumped into other species of trees including live oaks and black oaks.





“Shark” Continued from page 1

and nut crops, particularly prunes and apples with their smooth, shiny skins. The drifting poison also burned holes in leaves of orchard trees (resembling a tree disease called “shot hole”). Farmers noticed lesions only slowly at first, but farmers valley-wide filed crop damage reports well into July, according to the DPR investigation.

At the time of the drift incident, the Butte Environmental Council reported also that ornamental trees in Chico had been damaged as well by pesticide drift.

While apparently not affecting the growth and nutritional value of their crops, orchardists faced potential economic losses because packers and exporters could refuse to purchase cosmetically damaged crops, cutting severely into growers’ annual incomes.

Shark’s Attacks

Applied to plants, carfentrazone-ethyl (the active ingredient in Shark) disrupts cell membranes by inhibiting production of a protein that plants use in photosynthesis (the conversion of light into energy plants can use).

EPA’s battery of required risk assessment studies indicate that Shark’s active ingredient has no significant carcinogenic, reproductive, or development effects. It is moderately irritating to human eyes and skin, and should not be ingested. Carfentrazone-ethyl is very toxic to algae and moderately toxic to fish (including rainbow trout and bluegill sunfish) as well as to shrimp and oysters, according to EPA’s pesticide fact sheet on the chemical.

As pesticides go, Shark breaks down relatively quickly, contributing to EPA’s characterization of Shark as a “reduced risk” pesticide. This means its toxicity is acute, relatively short-lived. But while its risks may be lower than other pesticides, in water Shark has a half-life of 8 days (meaning that half of its original chemical concentration still remains after 8 days).

The California Department of Pesticide Regulation’s March 2000 report sheds no light on Shark’s ecological impact, despite the pesticide’s acute toxicity to aquatic life.

“This is exactly what we were concerned about last year when we broke the Shark story in Butte County,” said Barbara Vlamis, Executive Director of the Butte Environmental Council. “There was no monitoring of creeks and streams so the impact to the food chain remains unknown.”

A 1998 DPR environmental report recommended registration of Shark prior to its drift woes in 1999.

The March 1998 memorandum detailed results of an “aquatic dissipation study” on two fields (one in Live Oak, south of Chico). That study found that Shark’s half-life in water was less than one day. By holding water in rice fields for five days, DPR’s study found that there was decreased potential for Shark to travel into natural streams and waterways because it would be broken down to all but undetectable levels in that time.

But the 1998 study assumed that Shark got to its intended targets when applied.

In the March 2000 investigation report, however, DPR’s investigators in the Shark drift incident cautiously interpreted data they collected to avoid upsetting rice growers. Nonetheless, published data from the 1999 Shark drift investigation suggest some carelessness among Shark’s aerial applicators.

For example, wind speeds and directions indicated during the period May 14, 1999 through May 26th — nearly two weeks — that the prevailing southerlies often gust

to 10 to 12 miles per hour. Unpredictable shifts in wind direction occurred as well, during that time. The DPR Section 18 authorization clearly states that, “No application shall be made when wind velocity is less than two (2) miles per hour or greater than ten (10) miles per hour.”

State pesticide regulations obligate aerial applicators to check their equipment, monitor weather conditions, and evaluate the area of treatment “prior to and while applying a pesticide” to avoid and prevent drift.

The regulations further require that if drift occurs, the application of the pesticide be to be discontinued. The report does not make findings on whether applicators curtailed applications immediately when the drift occurred, but the report indicates that some applicators did not.

War on Weeds

Pesticide drift problems of the Valley’s rice growers have roots in industrial agriculture’s war on ecological processes.

Traditional industrial methods of agriculture — often referred to as “monoculture” since American farmers usually try to maximize yields by limiting production in an area to one type of crop — are constantly at odds with these pioneer plants as forces of nature. To sustain crop yields of desired plants; growers must employ a variety of methods, including chemical poisons, to protect the crop from ecological encroachment by pioneer species.

In ecological terms, “weeds” are plants capable of rapid reproduction and geographic diffusion. Such plants are biologically poised to pioneer disturbed environments — such as plowed, leveled, prepared,

and irrigated agricultural fields. Under uncultivated conditions, pioneer species fill an ecological niche by literally helping to prepare the ground for later successional plant species and their accompanying plant and animal communities.

When pioneer (weedy) plants become resistant to herbicides by virtue of their capacity to adapt genetically to avoid the poisonous effects of the herbicide, agricultural crop productivity decreases, even though ecological productivity (also known as biomass) may stay the same.

At the same time, however, weed resistance commits farmers to stay on a pesticide treadmill: the more weedy species adapt and become resistant to herbicidal treatments, the more farmers and pesticide manufacturers must invest in research, development, and production of new pesticides to outflank increasing weed resistance.

Propanil Returns

The Shark drift incident occurred at a time when rice production in the Sacramento Valley is facing substantial weed resistance challenges from numerous grasses and sedges. Indeed, because Shark was unavailable for use in 2000 following last year’s errant applications, propanil is making a comeback of sorts among rice growers by delivering the chemical using ground methods of application.

Though still highly restricted, rice growers in the Valley have adapted tractor equipment for computerized application of propanil on the ground, and DPR researchers have worked with propanil’s manufacturer to reformulate the chemical for ground application.

The return of propanil use by the rice growers in 2000 assures rice growers will remain on the pesticide treadmill.

Mine Alert in Butte County

By Nora Burnham

Why is Butte County becoming a mecca for opening mines? Is it because of the widening of Highway 149 and the proposed widening of Highway 70? Mining operations are noisy, pollute the air and harm our lungs. They destroy the landscape, as well as being unsightly. They pollute nearby waterways, which affects the immediate environment, as well as the environment downstream.

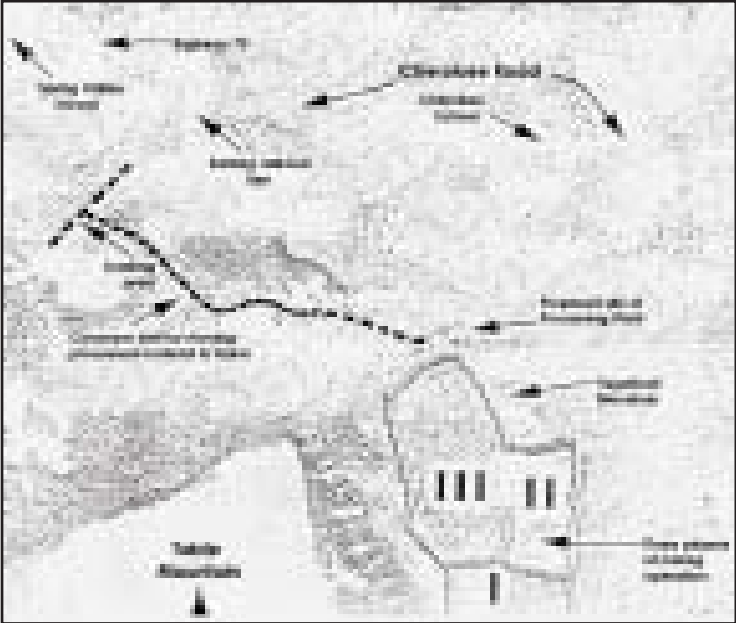
The Butte County Planning Commission just recommended to the Board of Supervisors that they grant a permit to the Lucky 7 ranch to mine gravel. It is being appealed by the community members of Butte Valley. They will need your help to stop this at the Board of Supervisors meeting when it appears on their agenda. Please call the Clerk of the Board’s office and ask to be notified of the public meeting and attend.

A large mining company from out of state is interested in reopening the Cherokee mine to extract silica to make glass. Many residents live near this mine and are concerned for their health. There is a group of concerned residents organizing to help prevent the reopening of this mine. That permit has not yet been filed, however, watch for information in your paper of choice and rally behind them as well. This mine will affect the most people and environment in my opinion. Do we want to look like the decimated areas of Nevada and Montana in 20 years?

Proposed Reopening of the Cherokee Mine

As reported by Randy Glass of the Feather River Canyon News last month, “Advanced Mineral Technology Inc., a mining company out of Idaho, is in the process of acquiring the rights to purchase approximately 900 acres including the old Cherokee Mine, and is proposing to open the mine once again”. The plan is to mine silica sand, leftover deposits from the mining operations last century, over the course of the next 15 to 20 years. Representatives of AMT describe the mine as an open pit type covering 120 acres. There will also be a processing plant on the sight. After processing and drying the silica sand, much of it will be moved along a 4,000 foot long covered conveyor belt down to the railroad tracks and loaded onto train cars. Some material will also be trucked out. They state they will only be using surface water for the operations.

There are many environmental issues to be considered. They are: air quality from the dust, area wells, effects in the watershed downstream, mercury releases, noise, traffic on small windy roads and the state of disrepair the land will be left in when the project is completed. Some health concerns voiced by nearby residents are asthma and silicosis, a lung

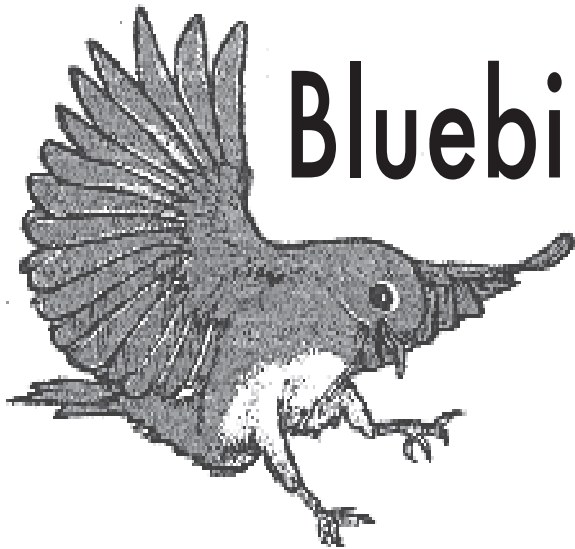


Cherokee Mine Site Map

disease caused by long-term inhalation of silica dust. There are twenty children living in the immediate area and an elementary school down the hill, across Highway 70 from the proposed railroad loading dock.(map)

Watch for notices in the Oroville Mercury Register or the Chico Enterprise Record for meetings being held at the old schoolhouse on Cherokee Road if you are interested in helping the opponents of the mine.





# Bluebirds Bring Happiness

## Getting Started with Bluebirds

Over the years, land has been cleared for housing and industrial developments, shopping malls, highways, and cropland; many old trees have been cut down for firewood. Wooden fence posts that provided nesting cavities have now been replaced with metal posts. With modernization, the supply of natural nesting cavities for bluebirds and other native cavity nesters has been greatly reduced.

Compounding the problem of habitat loss has been the introduction into North America of two imported species - the House Sparrow and the European Starling. Both starlings and sparrows are cavity nesters, and both are very aggressive. House Sparrows are small enough to enter any hole that a bluebird can, and are so aggressive that they will chase away the more timid bluebird. Starlings can be excluded from bluebird boxes by using the correct size entrance hole, but will out-compete bluebirds for woodpecker holes and other natural nesting cavities.

During the summer, bluebirds feed mainly on insects. In the winter, bluebirds depend on many kinds of wild berries for their food supply. However, the supply of wild berries has also decreased over the years. The few berries that remain are often stripped quickly by large flocks of starlings.

Even though the bluebird population has greatly decreased, the future can still be promising for them. The most important step we can take to help bring back the bluebird is to provide nesting sites by setting out a bluebird box or starting a bluebird trail. A bluebird trail is a series of bluebird boxes placed along a prescribed route. In areas where nesting boxes have been put up in suitable habitat, bluebird populations are increasing. Bluebirding is a great environmental, hands-on project that people of all ages can enjoy. By following the instructions below, chances are good that you will be able to attract and enjoy bluebirds.

## The Bluebird Box

- A good bluebird box should be well ventilated, watertight, have drainage holes, be easy to monitor, and easy to clean.
- Cedar and redwood are ideal, although plywood and other types of wood can be used. Boxes can be painted or stained if a light color is used.
- Treated lumber should not be used because of its toxic content.
- A bluebird box should never have a perch. Sparrows and wrens are attracted to perches.
- Boxes for Eastern Bluebirds should have a round entrance hole of 1 1/2"; Mountain Bluebirds need an entrance hole of 1 9/16"; Western Bluebirds will use a 1 1/2" hole, but a 1 9/16" hole should be used where the Western & Mountain Bluebird ranges overlap.
- Oval holes should measure 1 3/8" x 2 1/4" for the Eastern Bluebird.

## Mounting the Bluebird Box

- Smooth round pipe is probably the best and simplest mounting system to use — 3/4" electrical conduit works well, but any smooth scrap round pipe will also work.
- Coating the pole with grease will also help to keep predators off the box.
- Hardware cloth placed under a box helps to prevent snake predation.
- Unless your trail is in an area where raccoons are not present, avoid mounting bluebird boxes on a fence line or on trees. Raccoons are known to walk fence lines and may find your boxes.

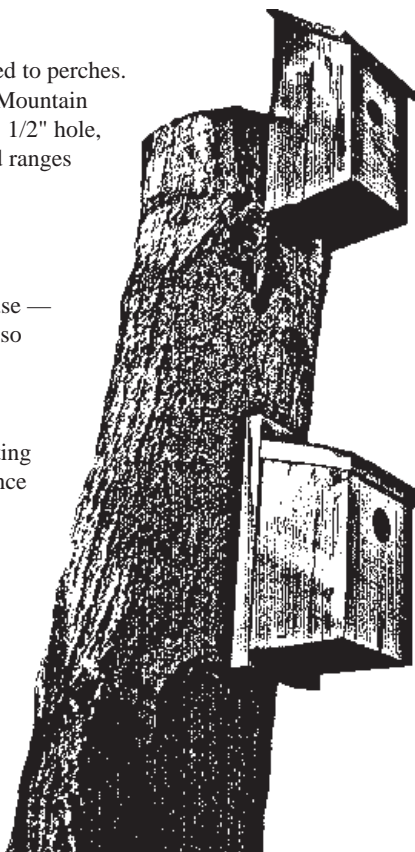
## Setting Up A Bluebird Trail

- Habitat is the key factor to consider when setting up a bluebird trail. Open rural country with scattered trees and low or sparse ground cover is best. Suitable habitat should include perch sites, such as a fence line, wires, or tree branches where bluebirds may perch to search for food. Look for these when you are selecting a location for your nesting boxes. If bluebirds do not like the habitat, they probably will not use your boxes.

- Pastureland, acreages, parks away from human traffic, and mowed areas such as cemeteries, golf courses are all good locations for a bluebird trail (provided pesticides are not used).
- Avoid brushy and heavily wooded areas — this is the habitat of the House Wren.
- Avoid areas where the House Sparrow is abundant (i.e. farmsteads and feedlots).
- Avoid areas of heavy pesticide use.
- Mount nesting boxes so the entrance hole is approximately five feet above the ground. If possible, face the box away from prevailing winds and facing towards a tree or shrub which is within 100 feet of the box. Trees and shrubs provide a landing spot for the young bluebirds when they first leave the box. This will keep them off the ground, away from predators.
- Boxes for the Eastern Bluebird should be spaced at least 100 to 150 yards apart; Western and Mountain Bluebirds have a larger nesting territory and boxes should be spaced no closer than 300 yards apart.
- Boxes can be mounted in pairs in areas where Tree Swallows are abundant. When paired, boxes should be mounted 5 to 25 feet apart. This provides nesting sites for both species and helps to prevent competition between them. Different species of birds usually do not mind nesting close to each other.
- Bluebirds rarely nest in cities. It is possible, but uncommon, for bluebirds to nest along the outer edges of cities or in small towns. Bluebirds generally prefer rural areas.

## Monitoring A Bluebird Trail

- Do not put up a bluebird box if you do not plan to monitor it. Check your bluebird boxes at least once a week during the nesting season, until chicks are close to fledging.
- Do not open the box after nestlings are 12 to 14 days old. Doing so could result in the nestlings leaving the box before they are able to fly, greatly reducing their chance of survival.
- Always remove House Sparrow nests immediately.
- Have your bluebird boxes in place by mid-March when the bluebirds return from their winter migration and are looking for nesting sites. However, boxes may also be put up later in the nesting season.
- Bluebirds usually nest in late March or early April, depending on weather conditions. In southern states, where bluebirds reside year round, nesting may occur earlier.
- Bluebirds usually have two broods per season, but three broods are possible.
- Recognize a bluebird nest — It is a cup-shaped nest that is usually made up of 100% woven grass. Pine needles may be used.
- Bluebirds usually lay 4 to 5 light blue eggs, but may lay as many as 6 or 7. A small percentage of their eggs may be white.
- The incubation period for bluebird eggs is 12 to 14 days.
- Nestlings remain in the nest 18 to 21 days before they fledge.
- Remove bluebird nests and those of other birds as soon as the young birds have fledged.
- Keep records of the activity on your bluebird trail. This information is valuable to the North American Bluebird Society (NABS), a non-profit organization, which compiles data on bluebird populations in North America. Annual Nesting Report Forms are available from NABS. Don't be discouraged if your nesting boxes are not used the first year. If bluebirds are not common in your area, it may take them a few seasons to find your new box. Bluebirds generally return to the same area each year. Bluebird trails have been an extremely effective method of reestablishing the bluebird populations across North America.



*These educational materials have been brought to you by the North American Bluebird Society (NABS). For more information on bluebird conservation and membership in NABS, please go to [www.nabluebirdsociety.org](http://www.nabluebirdsociety.org) or send a SASE (\$1.00 donation appreciated) to NABS, P.O. Box 74, Darlington, WI 53530.*





Check this out...

# WEB SITES of interest...

The Internet is a great resource for environmental information, with virtually every topic covered. Concerned about land use planning? Along with federal, state and local government sites, many private and not-for-profit groups are studying the same issue and posting their reports online. Want to locate a source for non-leather shoes? No problem—there are at least ten online catalogs containing vegan leather products. Can’t decide where to backpack? Hundreds of sites describe great hiking trails. Information on recycling, geology, biology, water quality, wetlands, forest, vegetarianism, air quality, transportation, toxics, population growth, recreation, and much, much more are all out there on the Web. The problem is finding useful resources without wading through hundreds of links. Here are a few Web sites to get you started in expanding your knowledge of the environment. Future articles will provide more in-depth coverage on selected topics.

If you have some favorite environmental Web sites, we would like to hear about them. Send your comments to [envnews@shocking.com](mailto:envnews@shocking.com).

### E-MAIL NEWSWIRE

If you want to keep up on environmental issues in California or worldwide, an easy way to do this is to subscribe to one or more of the e-mail environmental newswires. These news services send you a daily or weekly e-mail containing a list of headlines from news articles, along with a brief description of each article. To read the entire article, you just click on the link provided. The volume of information can be overwhelming at times, but that’s what the delete key is for. My advice is, if you haven’t read the newswire e-mail by the end of the day, just delete it. Another one will be arriving shortly. It’s easy to subscribe and unsubscribe to these newswires.

#### Environmental News Network (ENN) [www.enn.com](http://www.enn.com)

This Web site offers links to a variety of environmentally-related topics including conservation, alternative energy, building, food, recreation and global warming. Its focus is international in scope, with about 15 articles presented in every e-mail. To subscribe to the newswire, go to the bottom of the home page and click on Receive Free E-mail. ENN does require registration and a log in procedure in order to view some of the articles, but they don’t seem to sell your e-mail address or pester you with unsolicited e-mail.

#### California Environmental News (CEN)

[www.cen-daily.org](http://www.cen-daily.org)

CEN is a service of the Planning and Conservation League (see below). It combines environmental news articles from twelve of California’s newspapers. Click on About CEN to see the list of topics that are included in the news service. All of California’s communities are experiencing similar problems associated with growth, pollution, land use, and urban sprawl. It’s useful to see how other areas are trying to solve these problems. This newswire costs \$50 annually for individuals, but you can receive a month’s trial subscription for free.

#### The California 2000 Project

[www.c2kproject.net](http://www.c2kproject.net)

C2K is a new organization, sponsored by the Irvine and Hewlett Foundations, promoting policy research and education on governance, public finance and land use in California. Its focus is on quality of life issues such as affordable housing, clean air and water, parks, and education. C2K believes that reforming the state and local tax structure is crucial because of the projected growth in California’s population over the next 20 years. They’re working both at the state level and with grass-roots organizations throughout the state to facilitate discussion of these issues and possible solutions. Their news service is very similar to CEN’s, but is free. To subscribe, click on *Get The Newswire*.

### LINKS TO LINKS

If you’re looking for one site that will ultimately link you to everything about the environment, here are a few places to start.

#### California Environmental Resources Evaluation System (CERES)

<http://ceres.ca.gov>

CERES is a state information system providing electronic access to state government data about the environment. It includes links to state agencies, environmental law, land use planning and almost everything else that the state has made available electronically. It also has links to regional and local governmental agencies involved in environmental issues.

#### Planning and Conservation League (PCL)

[www.pcl.org](http://www.pcl.org)

The PCL is an organization focused on protecting California’s environment through public education, policy research and legislation. Besides the usual environmental links, they provide in-depth reports, activism opportunities and even an employment listings section. If you want to know more about Smart Growth or Zero Emission Vehicles, check here first.

#### EnviroLink

[www.envirolink.org](http://www.envirolink.org)

EnviroLink is one of the world’s largest environmental information clearinghouses. It contains a huge number of links to environmental and animal-rights Web sites. No matter how obscure the topic, you will find links from this site.

EnviroLink has also recently begun offering an e-mail news service.

### IN OUR BACKYARD

Want to learn more about our own community? A good place to start is BEC’s Eco-Directory, which lists local organizations that are dedicated to preserving and restoring the environment. Their Web sites offer a wealth of information about the ecology of this area as well as links to hundreds of other sites. They also offer you the opportunity to participate in issues that interest you. Other local sites of interest include:

#### Paul Maslin

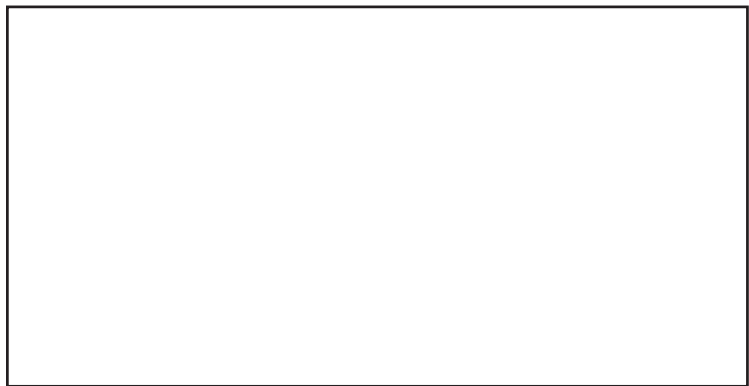
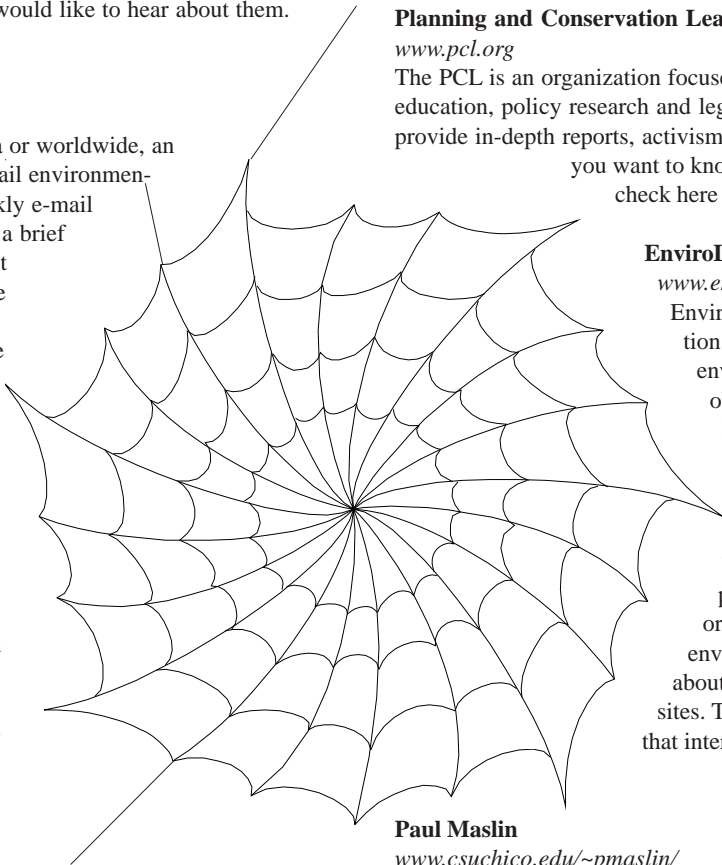
[www.csuchico.edu/~pmaslin/](http://www.csuchico.edu/~pmaslin/)

Professor Paul Maslin at CSU, Chico studies aquatic ecology, especially community ecology of streams and lakes. His research reports, posted on this Web site, include information about local salmon rearing habitat, Horseshoe Lake in Bidwell Park, and Big Chico Creek. His study of the effects of floodwater diversion from Big Chico Creek into Sycamore Creek is especially interesting. Read the report, then walk along the diversion route to see the dramatic erosion patterns the water has made along Sycamore Creek.


#### Lassen Volcanic National Park

[www.nps.gov/lavo/](http://www.nps.gov/lavo/)

This site provides the basic information about the park along with links to USGS, US Forest Service and the park concessionaire. It’s a useful way to check the status of Lassen Park Road, which is closed much of the year due to snow. Be sure to check out the geology and history links to learn more about the forces of nature that have affected so much of the topography in this area. Unfortunately, *Peak*, the semi-annual Lassen Park visitor guide containing information about ranger-led hikes, touring routes and backcountry information isn’t available online yet.



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# Lead, Lead, and More Lead

The Preliminary Test Results (Interim Site Characterization or ISC) of the Humboldt Road Burn Dump (HRBD) are back. Along with other constituents, lead is the confirmed legacy of the Humboldt Road Burn Dump. Here are some interesting points of new discovery:

- **1.** Early this year citizens informed the Department of Toxic Substance Control (DTSC) of a reported battery recycling/dump operation on Area 7 on the map. This area is located at the Southeast corner of Bruce Road and Humboldt adjacent to the proposed Drake Homes Eastgate Ranch subdivision. It was never identified in previous descriptions of the HRBD and was never tested.

DTSC instructed the City of Chico to incorporate this area into the preliminary testing plan.

The newest test results reveal lead values to be as high as 8340 ppm, roughly 47 times the accepted value of 174 ppm for California residential standards. Lead and pH were the only tests conducted on this parcel. DTSC is ordering the area fenced.

- **2.** Early this year citizens informed DTSC of reported waste in Area 5 of the HRBD. Area 5 is the parcel selected for the proposed Oak Valley subdivision. Area 5 shares a border with a known hazardous release site. The newest test results confirm contaminated material in Area 5 with lead values as high as 3420 ppm, roughly 19 times the accepted value of 174 ppm for California residential standards. Arsenic, chlorinated pesticides, dioxins and furans were also found in Area 5.

- **3.** The Butte Environmental Council (BEC) questioned the adequacy of the water testing three years ago as reported in the Environmental Impact Report for the HRBD. The newest test results confirm lead contamination in both sediment and ground water samples. It has also been established that off-site migration of lead is occurring.
- **4.** BEC was made aware of a serious health threat to children by the exposed Drake/Simmons stock pond levee in Area 8 at the corner of Humboldt and Stilson Canyon Road. The levee has the highest known lead concentrations of any testing done at the HRBD at 82,000 ppm (remember, 174 ppm is the acceptable current State standard for residential development). Youngsters play on the levee and have even had classroom picnics on it! It will now be fenced after a request to DTSC by BEC.

Children don't vote, and it is up to adult citizens to care for their well being. For some of us, it extends beyond our own children. For most of us, it is clear that many toxins are especially harmful to children and these toxins, lead for instance, cannot and should not be ignored.

For more information on lead and its effect on children please visit the following website and talk to your pediatrician or your local Health Department:

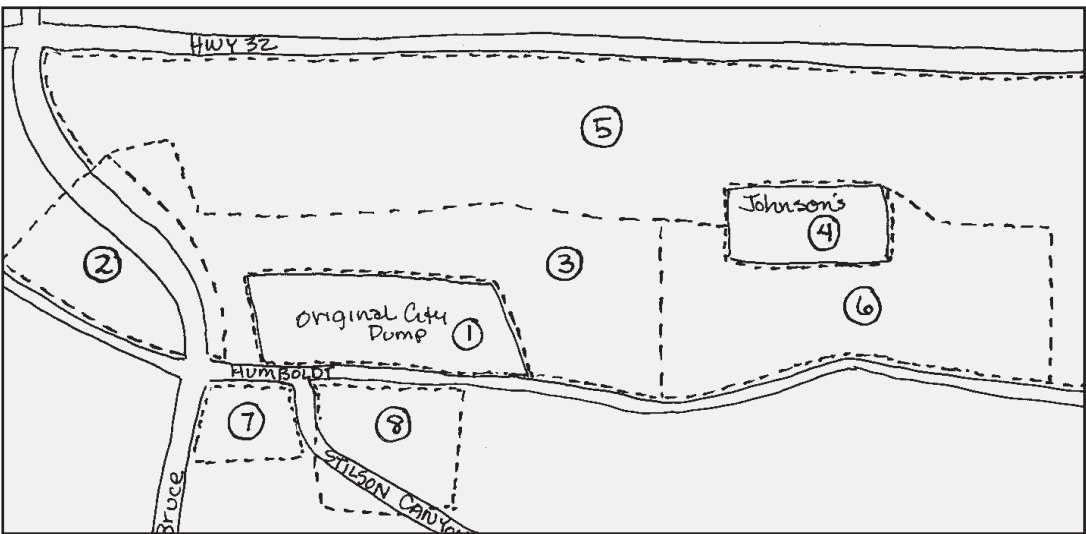
<http://www.cdc.gov/nceh/lead/lead.htm>

Or call/write or email to:

Lead Poisoning Prevention Branch  
Division of Environmental Hazards and Health Effects  
National Center for Environmental Health  
1600 Clifton Road Mailstop E25  
Atlanta, GA 30333  
(404) 639-2510  
FAX: (404) 639-2570  
Email: [ncehinfo@cdc.gov](mailto:ncehinfo@cdc.gov)



Reference map of delineated Areas for HRBD

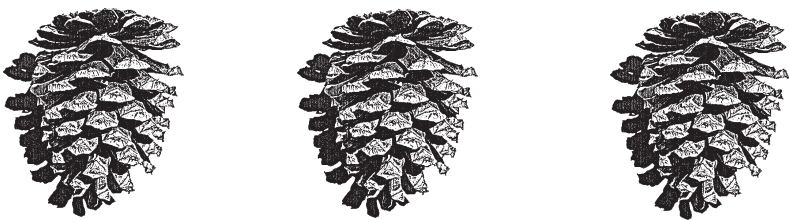


## M.O.R.E.

**MAINTAIN OUR RURAL ENVIRONMENT (M.O.R.E.)** just completed 2 months of Paradise Farmers Markets. We continue our work to inform the Paradise public about the Tree Initiative Ordinance we have on the ballot for Nov-00. Being out among the public proved three main things:

1. People are here because of the beautiful trees.
2. There are many new residents in Paradise. They have no knowledge of the struggles and losses that have occurred in Paradise over the past 6 years in relation to the trees and Town Council.
3. Many people do not read newspapers or watch TV news. (we've had this issue in the papers & on TV for 5 yrs)

Being at the Markets gave us a great medium for meeting these individuals and sharing our work. Our nightly raffle was a great success. We gave away: \$25 gift certificate from Jeannies' Consignment, an amber necklace & malochite heart pendant from Don the Jeweler, 2 handblown vases by glassblower Jim Moody, and a 5 gallon redwood tree. We raised \$332 in ticket sales and gained over 300 YES votes for the upcoming election. Remember that the majority of these votes are new to the work we have been doing. Our Farmers Market efforts were a BIG SUCCESS.



### Upcoming Events and Fundraisers

**September 9-** We will have a booth at the Paradise Senior Center daylong flea market. (7am to 2 pm on Nunnely Rd.) We will be available to answer questions about the Citizen Initiative Ordinance appearing on Paradise voters ballots Nov. 7. This Tree Preservation Ordinance has "tree education" as its core and will eliminate "backyard logging" from the town limits of Paradise.

We will be signing up voters as well as raising campaign funds via a new raffle! **TICKETS** are \$1 each or 7 for \$5, or 20 for \$10. Make your checks out to M.O.R.E. and mail to M.O.R.E. P.O. Box 966, Paradise, Ca. 95967. Be sure to include your name and phone #. You do not need to be present to win. The drawing will take place on Oct. 1.

Prizes will include\* 1 pair of 14K gold hoop earrings from Don the Jeweler. \* 1 framed silk painting print "Goldfinch on a Misty Morning" by Tanya Mullins. \* 1 framed silk painting print "Western Tanangers" by Tanya Mullins. \* 1 framed watercolor print "The Ethereal Rose" by Marianna Love. \* 1 18" ceramic bowl/platter by Dan Goodsell \*1 Overland Backpack donated by Wendy Ardell and Greg Fritsch of Overland Backpacking Co.

**October 1** The "Community Interdependence Day Celebration" will be held from 1pm to 4 pm on Sunday at the Paradise Rec Center located just 1 block north of Elliott Rd. on the Skyway. We'll have live music, food, display of children's visions of "interdependence with nature (trees), a presentation on Measure "U"- the Citizen's Initiative Ordinance, and YES the RAFFLE for the prizes mentioned previously. We are creating this celebration to kick off the official beginning of our "Get Out The Vote" Campaign. Bring your family and friends and join in Paradise's first ever Citizen Tree campaign to save the forests of Paradise. Come find out how you can make a difference in Paradise and remember to send in your donations for raffle tickets. See you there!





# Rally For Sierra Forests

## Sierra Pacific Industries

by Jim Brobeck



The Big Chico Creek Watershed Alliance recently released their report on the history and existing conditions of the geological gem that inspired many of us to settle in Chico and devote our lives to environmental preservation and restoration. Where does the water come from? Not the golf course. Not the upper park. It comes from springs and streams above Cohasset and Forest Ranch. The upper watershed is largely controlled by the largest timber company in California and the second largest landowner in the United States: Sierra Pacific Industries (SPI). Not much information about their land use policies has been reaching the public. It is time to look closely at the corporation's plans and actions in the forests of California.

SPI's clearcutting grew over 2426% from 1992-1996. In 1999 SPI clearcut 24,000 acres statewide. Company officials claim that clearcutting will rid the landscape of stunted trees and that the clearings will benefit the land and wildlife. One wonders why the concern for fire is so great among the California Forestry Association members and yet that same industry is creating some of the most flammable forest landscapes by their massive clear cut logging agenda. This will leave California with a legacy of very high fire risk, cut over plantations of young flammable trees.

Local environmentalist Patricia Puterbaugh says clearcuts in the Cohasset highlands have created elevated temperatures, baked dry soils and reduced vegetation variety due to the use of herbicides. SPI uses herbicides on its plantations after clear-cutting to destroy non-commercial species that might delay the tree farms' harvest cycle. But these non-coniferous plants are valuable to wildlife looking for food and shelter in the early stage of forest that SPI is creating on ever increasing tracts of land.

SPI's appetite for California trees has placed them front stage in campaign finance schemes that dump loads of cash at the feet of Republican and Democrat politicians alike. Gov. Gray Davis (who selects the Board of Forestry members) is a major recipient of this questionable largess. In exchange for their donations to the electoral process SPI has captured key seats on the Board of Forestry and uses its insiders to manipulate Forest Practice Rules to the disadvantage of smaller forest owners and to increase corporate use of even aged forestry (clearcutting).

Charlotte Fox of the Government Accountability Project said, "In almost every year for the past 10 years, SPI has been the focus of major felony investigations by the Forest Service and other government organizations." In Hayfork, SPI paid a \$25,000 fine for getting the herbicide hexazinone into private ponds in the Hayfork area. In the Plumas forest they paid an \$80,150 fine for allowing their timber cutting contractors to cut \$382,379 worth of logs off of public land adjacent to SPI land.

In the Spike timber sale, SPI contractors were repeatedly caught hauling logs off of public land without the legal load receipt attached. Between 1991-1997, SPI used over \$20 million in road subsidies to facilitate their aggressive harvest of California forests. SPI's clearcutting rampage has raised the ire of forest communities and activists throughout the state. Citizen petitions in Calaveras County and non-violent civil disobedience actions taken by the Yuba River group, Yuba Nation, have resulted in a spotlight being shined on SPI's transformation of wild forests into tree plantations.

SPI owns 1.5 million acres of timberland in California, mostly in the Sierra Nevada, which makes Sierra Pacific the second-largest landowner in the United States, after Ted Turner. Fully 1 percent of California is under the company's control. SPI owner Archie "Red" Emmerson has no intention of letting that land lie idle. SPI admits that it plans to clearcut a million acres over the next 70 years. Folks in Arnold, California were particularly concerned because the company planned to clear-cut about 900 acres near town. Many of the units are close to Big Trees State Park. Residents say the project would despoil vistas, contaminate water supplies with silt and herbicides and put a crimp in the burgeoning recreational economy.

### Differing Views

While it may look local, Arnold's fight with Sierra Pacific is part of a larger issue: The future of California's premier mountain range. Two different visions are evolving for the Sierra Nevada. The first one is advanced by environmentalists and increasingly prosperous Gold Country tourist towns like Arnold. This vision implies an intact and essentially natural forest. Moderate selective cutting is allowed, but greater emphasis is placed on wildlife and recreation values. The second is Sierra Pacific's long-range harvest plan: clearcutting in a methodical fashion and replanting the logged units. Unit by unit, 30 acres by 30 acres, Red is converting the forest into a range-spanning tree plantation. Only one vision can prevail.

The issue has profound implications for Gov. Gray Davis, who has attended fetes sponsored by the state's timber industry. Critics of the governor's record on forest policy believe that Davis has traded his campaign promises of environmental sensitivity for generous corporate contribu-

tions, especially from Sierra Pacific Industries. Environmentalists say Davis' fund-raising activity calls his commitment to forest ecosystems into question. Davis, who ran for office as a strong environmental advocate, attended a fund-raiser hosted by Sierra Pacific's owner Emmerson. The timber industry showered him with more than \$129,000 in contributions, according to state records. Within days, Davis appointed Stan Dixon, a Humboldt County supervisor who attended the fund-raiser, to one of five forestry board seats designated for the general public. Three other seats on the nine-member board are reserved for timber industry representatives, one of which is currently occupied by a Sierra Pacific Industries official.

Criticism of Sierra Pacific is growing along the mountain range's western slope where the majority of SPI-controlled land is located.

Opposition to Sierra Pacific is almost unanimous in Arnold, California. Retirees, county officials and business people are all against the clearcutting. Calaveras County Supervisor Merita Callaway led her fellow supervisors in petitioning the governor to intervene against clearcutting.

Callaway is not optimistic Davis will intercede, noting Sierra Pacific contributed almost \$43,000 to his last campaign and helped sponsor a fund-raising barbecue in his honor. "We live here, but SPI doesn't live here," she said. "Red Emmerson doesn't live here. Simply owning land in a region doesn't give you the right to pursue policies that significantly degrade the environmental quality of that region."

Several protests have already taken place. There is a sense that it is only a matter of time before civil disobedience reaches the same cical mass it did in Humboldt County over the proposed logging of the Headwaters Forest by Pacific Lumber Co.-MAXXAM. SPI is primary recipient of logs from California's National Forests, receiving 39% of the state's federal timber. Nationally, SPI is the second largest beneficiary of the federal timber sales program, a program that operates at a net loss to taxpayers of over a billion dollars per year.

The profits from these subsidized timber sale programs go into purchasing more private timberland in the mountains of California. Large clearcuts can biologically resonate far beyond their borders. Sierra Pacific's influence extends beyond its land to include much of the Sierra Nevada

mountain range. Ecosystems and wildlife don't recognize property boundaries. Populations of rare terrestrial animals lose their connection to other areas of suitable habitat creating genetic inbreeding.

Given the size of the company's clearcuts we can also expect significant declines in endangered species dependent on old-growth forest. This will exacerbate the catastrophic fragmentation of our forest.

In planning documents filed last year, Sierra Pacific disclosed its plan to clearcut 70 percent of that privately owned land over the next seven or eight decades. Until 1996, the company clear-cut roughly 1,000 to 2,000 acres a year. Clearcutting then began to increase sharply, and last year the company clearcut 24,000 acres throughout the state. By comparison, the U.S. Forest Service, which manages 11 million acres of Sierra real estate, never clearcut more Sierra timberland than it did in 1988, when it clearcut 15,600 acres. In deference to public opinion and environmental law the forest service conducts almost no clearcutting operations in the Sierra.

But under the Quincy Library Group Forest "Recovery" Act (created in part by SPI lobbyists) 2-acre clearcuts intended to boost local mill profits are being planned on thousands of acres of public land. The boost to local economies will be quite limited given SPI's high level of mill automation.

### Rally

Sierra Nevada forest defenders are planning a mass demonstration in Sacramento. The rally for the forests will be held at the state capitol on October 3rd from 12-2 and will include a visit to the office of Gov. Davis to demand a reform of the forest practice rules. The Klamath Forest Alliance (KFA), a sophisticated collection of forest workers and conservationists disgusted with management of public and private forests, has proposed a vision of sustainable forest management rules. These will be offered as an alternative to the current official policy of responding to substantive problems with more and more complex rules that make logging difficult on small holdings while providing big timber interests with loopholes to continue unsustainable logging in watersheds which they have already impacted.

Darryl Cherney of Redwood Summer fame is organizing the rally. One dominating theme will be: Governor for Sale. There will be no arrest actions as part of this rally, as Mr. Cherney is getting a permit and insurance. If someone wants to get arrested he suggests a different time or venue. Darryl is a fan of civil disobedience, no one should doubt, but the theme of the demonstration must have cohesion. Readers interested in attending the rally are encouraged to attend. Contact [thepointis@kzfr.org](mailto:thepointis@kzfr.org) for more info.

**SPI's  
clearcutting  
grew over  
2426% from  
1992-1996.  
In 1999 SPI  
clearcut  
24,000 acres  
statewide.**



# Recycling in Chico

	NorCal Waste Systems	North Valley Waste Management	Chico Scrap Metals	Fire Master	North Valley Organic Recy.	Steel Mill Recyclers	20/20 Recycle Ctr.	Westside Recycling	Work Training Center
California redemption:									
Glass	\$	\$	\$			\$	\$	\$	\$
Aluminum	\$	\$	\$			\$	\$	\$	\$
Plastics	\$	\$	\$			\$	\$	\$	\$
Glass (household - clear)	☞	☞	\$			☞		☞	☞
Glass (household - colored)	☞	☞	☞			☞		☞	\$
Tin cans	☞	☞	☞			\$			☞
Scrap aluminum	☞	☞	\$			\$			☞
Scrap metals			\$			\$			☞
#1 plastic	☞	☞				\$		\$	\$
#2 plastic	☞	\$			\$		☞	☞	
#3 - #7 plastic	☞	☞	\$			\$			☞
Newspaper	☞	☞	☞					☞	☞
Magazines	☞	☞							☞
Cardboard	☞	☞	☞					☞	☞
Ledger paper	☞	☞							☞
Computer paper	☞	☞							☞
Car batteries		☞	\$						
Latex paint									
Used motor oil		\$							
Anti-freeze		☞							
Cars		☞							
Appliances			☞			☞			
Fire extinguishers				☞					
Yard waste					☞ (chg.)				
Wood waste					☞ (chg.)				

\$ = Pays for recyclables; ☞ = Accepts recyclables (no payment); ☞ (chg.) = Accepts recyclables (small charge). For more information on recycling, call BEC at 891-6424.

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20/20 Recycle Center**  
For information and location  
call 1-800-Recycle or 732-9253

**Chico Scrap Metals**  
878 E. 20th St., Chico, 343-7166  
766 Oro-Chico Hwy., Durham, 345-6241  
Mon.-Fri. 8am - 11:45am & 1pm - 5pm  
Sat. 8am -12 noon & 1pm- 4pm

**City of Chico Permanent Household Hazardous  
Waste Collection Facility**  
**AC Industrial Services**  
1111 Marauder St., at Chico Airport  
895-4829 or 343-5488  
Fri-Sat. 9 am - 1 pm  
**\*accepts car batteries, latex paint,used motor  
oil and antifreeze**

**Crowder Enterprises**  
153 Innsbrook Way, Chico,345-1136  
M-F 8-5, Sat. 10-2

**Energy Masters**  
1933 Esplanade, Chico 345-4129  
M-F 8-5, Sat 9-2

**Fair St. Recycling-(Work Training Center)**  
2300 Fair Street, Chico, 343-8641  
M-F 9-4, Sat. 9-3:30

**Fire Master (formerly Hughes Fire Extinguisher)**  
13504 Skypark Industial Park Chico, 893-0110  
M-F 8-5

**Neal Road Landfill**  
Sun-Sat 7-4

**NorCal Waste Systems**  
Oroville 342-4444 or 533-5868  
M-Sat.. 8:30-3:30

**North Valley Organic Recycling**  
Cohasset Road, 1/2 mile north  
of Eaton Road, Chico 521-2031 (office)  
893-4777, 899-3683 (Yard waste facility)  
T-Sat 8-4  
www.northvalleydisposal.com

**North Valley Waste Management**  
2569 Scott Ave., Chico 893-0333, 893-4777  
T-Sat 10-4:30

**Steel Mill Recyclers**  
786 Oro-Chico Hwy., Durham, 342-4930  
M-F 8-5

**Westside Recycling**  
2538 Hwy. 32, Chico, 892-2262  
M-Sat 10-6 and Sun 10-4

## Market News

### Raleys

211 W. East Avenue, Chico 899-3712  
2485 Notre Dame, Chico 895-0398  
2325 Meyers, Oroville 533-0950  
·.05 credit for own bag

### Albertsons/Lucky

146 W. East Ave, Chico 343-3434  
2157 Pillsbury Road, Chico 345-9794  
· .05 credit for own bag  
· recycles plastic bags

### Safeway

1366 East Ave, Chico 899-2320  
690 Mangrove Ave, Chico 345-2217  
1016 W. Sacramento Ave, Chico 895-0244  
1596 Highway 99, Gridley 846-3762  
6020 Clark Road, Paradise 877-7923  
· .05 credit for own bag  
· recycles plastic bags


### Chico Natural Foods

818 Main Street, Chico 891-1714  
· .05 credit for own bag  
· Has bulk foods and encourages use of recycled containers  
· Recycles aluminum, all glass, cardboard, #1-7 plastic types, computer paper and ledger paper  
· Takes clean bottles, grocery bags for recycling

### S & S Produce

1924 Mangrove Ave, Chico 343-4930  
·.05 credit for own bag  
·Has bulk foods and encourages use of recycled containers for filling  
·Will recycle a small amount of aluminum, glass, cardboard, plastic  
·Recycles paper grocery bags

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Fax (530) 891-6066

Hours: Mon-Sat 8AM- 9PM  
Sunday 10AM- 6PM





# Recycling Tidbits...

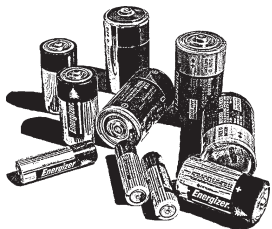
## Not all batteries are created equal...

Nickel-Cadmium rechargeable batteries (“NiCads”) contain cadmium, a metal that causes blood and reproductive damage, among other problems. These batteries are commonly used in portable telephones, power tools, radios and video tape recorders. Several states now prohibit consumers from dumping these batteries into the normal trash. These batteries pose little hazard in use (the Cadmium is in a stable form), but are a danger in landfills. To conform with most state laws the *actual battery* must have a warning and recycling logo.

“Battery contains Nickel and Cadmium — must be recycled or disposed of in accordance with local laws.” Call 1-800-8BATTERY for recycling information.

The Rechargeable Battery Recycling Corporation (RBRC) is an industry-funded group promoting battery recycling. Manufacturers pay a fee to use the logo and support the costs of the eventual collection of the batteries they sell. The RBRC provides free postage paid collection boxes and support materials to retailers.

- For the location of the nearest drop-off location call **1-800-8BATTERY**.
  - Radio Shack and several other chains have placed collection boxes in stores.
  - You may also mail batteries directly to the recycling contractor. Note! -- the contractor has received a large number of batteries of the wrong types. Please send **ONLY** spent rechargeable NiCad batteries. Place the batteries in a Zip-Lock type plastic bag, place in a padded envelope, and mail third class, fourth class, or UPS ground to: RBRC  
C/O INMETCO  
245 Portersville Road  
Ellwood City, PA 16117.
- Source:  
The Internet Consumer Recycling Guide:  
<http://www.obviously.com/recycle/>



## Motor Oil- Don't Dump It

Used motor oil contains heavy metals and other toxic substances, and is considered hazardous waste. Each year do-it-yourself oil changers improperly dump *more* oil than the tanker Exxon Valdez spilled into Alaska's Prince William Sound. One quart of oil can kill fish in thousands of gallons of water. Motor oil containers should mention the danger of used oil to humans and the environment.

Motor oil must never be dumped in storm drains; storm drains flow untreated into rivers, lakes or oceans. Your quart of oil does make a difference - don't dump it.

Recycling used motor oil is easy. Typically you put used oil into a plastic milk jug and clearly mark it “used motor oil”. The following should help you find a location to take the oil. Please drop off oil during regular business hours only:

- Call your local garbage, recycling or toxics agency for a referral.
  - In California - Call **1-800-CLEAN-UP** for locations.
  - Many quick-lube shops take oil (the industry association encourages it): Jiffy Lube - (Contact any Jiffy Lube Station nationwide). Valvoline Instant Oil Change Centers - (Contact any Valvoline Station).
  - Call **1-800-MOTOR OIL** for the location of the nearest Valvoline First Recovery Center. Many businesses have signed up with Valvoline to offer oil recycling, as Valvoline assumes responsibility for collection and liability.
  - Many auto stores take oil, including Grand Auto, R&S Strauss, Pep-Boys and Wal-Mart. Some states have laws requiring any business that sells oil to take used oil back from consumers.
- Antifreeze contaminates motor oil - do not mix the two. If your car has blown a gasket and you are draining the oil, mark it clearly as potentially contaminated and treat it as non-recyclable household waste. Never mix anything with used motor oil. Never place used oil in a container that has contained other chemicals.
- Source:  
The Internet Consumer Recycling Guide:  
<http://www.obviously.com/recycle/>

## Junk Mail

While your mother may have told you that a person's mail is private, in this day of computerized mailing lists, your name and address certainly aren't. Chances are, your mailbox is overflowing with catalogs, sales ads, and prize offers which you never requested and may not want.

If you prefer not to have your name and address exchanged for marketing purposes, or are tired of unwanted mail, there are several steps you can take to get off mailing lists. You must be persistent, and you won't get rid of it all. But you can substantially reduce the amount of “junk” mail.

You can remove yourself from most national mailing lists by contacting:  
Mail Preference Service  
Direct Marketing Association's (DMA)  
P.O. Box 9008  
Farmingdale, NY 11735-9008.

It will put you into the “delete” file which is sent to subscribing organizations several times a year. You should see a reduction in catalogs, magazine offers, credit card solicitations, sweepstakes and other national advertising mail.

Companies that do not participate in the DMA program must be contacted directly. Notify the customer service department and request that your name and address not be provided to other companies. Contact magazines to which you subscribe as well as charities, nonprofit organizations and professional/trade associations to which you have either donated money or joined.

Many credit card companies compile lists of cardholders for sales promotions based on purchase patterns. California Civil Code sec. 1748.12 requires all credit card companies to provide notice to cardholders prior to disclosing personal information to marketers. Cardholders may prevent the release of this information by filling out a preprinted form or calling a toll-free number.

Source:  
Privacy Rights Clearinghouse  
1717 Kettner Ave. Suite 105  
San Diego, CA 92101  
Voice: (619) 298-3396  
Fax: (619) 298-5681  
E-mail: [prc@privacyrights.org](mailto:prc@privacyrights.org)  
Web: <http://www.privacyrights.org>





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# The Environmental Calendar

## Thursday September 7

**Cherokee Watershed Group Meeting** 7 PM Campus Center Lounge, Butte College What is to become of the Cherokee-Dry Creek Watershed? The Cherokee-Dry Creek Watershed encompasses 95 square miles of scenic and productive agricultural lands, forests, woodlands, and grasslands. Many people and wild creatures find homes and livelihoods in this beautiful landscape. Flows of surface water and groundwater tie the people of the watershed and the resources of the watershed together. Changes are coming to the Cherokee Watershed! Public agencies are developing strategies to address erosion and sedimentation from Sawmill Ravine and associated flooding along Cherokee Canal. Residential development is expanding rapidly. More polluted runoff is entering our streams. New mining operations in the Town of Cherokee are being proposed. Groundwater dependence and withdrawals are increasing while surface water import reductions are being proposed. CalFed hopes to meet demand in other parts of the State with local water resources. Come meet your watershed neighbors and help shape the future! For more information call Gary Cole 343-0916.

## Friday September 8

**Downtown concert in the park** (Singles). 7 PM. Get together, enjoy some music, meet people, and share your summer adventures. Bring a lawn chair and \$ for frozen yogurt after. For meeting place call Karen, 899-8305. *Sierra Club, Yahi Group*

## Saturday September 9

**Trail Maintenance-** Help maintain trails in Upper Bidwell Park from 8:00 a.m. to 12:00 p.m. People of all ages are welcome to participate. It's a good way to learn more about the park trails and what's being done to maintain and improve them. Volunteers should meet at 8:00 a.m. in the parking lot located on the east side of Horseshoe Lake in Upper Bidwell Park. Gloves, tools, training and beverages are provided by the City. Wear sturdy shoes or boots. For more information, contact Steve Hogue at the Parks Dept. at 895-4758 or via e-mail at: [shogue@ci.chico.ca.us](mailto:shogue@ci.chico.ca.us) *City of Chico Parks Department*

**Ben Lomond Peak & Murphy Lake Hike** (grade 4, class D). A very strenuous 16-17 mile loop hike on trail with a 4200' elevation gain in the first 3 miles. We will start at the mouth of Chips Creek and hike up out of the Feather River Canyon to the top of 6453' Ben Lomond Peak with great views of Mt, Lassen, Lake Almanor and the Feather River Canyon. We will then gradually descend to beautiful Murphy Lake in the proposed Chips Creek Wilderness Area and then drop down along Chambers Creek to Hwy 70. A 5-mile car shuttle required. Bring lunch, energy snacks, water and comfortable footwear. Meet at the Spring Valley School (Hwy 70 & Pentz Rd.) at 7:30 A. M. Leader: Alan, 872-0419. *Sierra Club, Yahi Group*



## Saturday-Sunday Sept. 9-10

**Caribou Wilderness Backpack** (grade 1, class A). An easy backpack into the beautiful, lake-studded Caribou Wilderness suitable for beginners. Our trailhead will be at Cone Lake and we will hike in about two miles to pretty Triangle Lake and then do an optional afternoon dayhike. Individual commissary. Call leaders for meeting place, time and details. Leader: Annette, 872-3557, assistant leader: Goodie, 894-3988. *Sierra Club, Yahi Group*

## Sunday September 10

**Bike Ride to Centerville.** We'll ride 25 miles on Honey Run and Centerville Road in Butte Creek Canyon. Steep climbs after the Covered Bridge to the end of the paved road. We'll return to the yogurt shop. Meet at the Yogurt Cup near Raley's (Notre Dame & Skyway) at 9 AM. Bring a properly maintained bike, spare tube, patch kit, pump, lunch, lots of water, and \$ for frozen yogurt. Helmet mandatory! Return around 5 PM. Leader: Larry, 342-7998. *Sierra Club, Yahi Group*

## Friday-Sunday Sept. 15-17

**Mill Creek, Ishi Wilderness Backpack** (grade 5, class D). The main purpose of this trip is to photograph a proposed wilderness area. Long distance hike to Hole in the Wall, then to Black Rock and Back. Let's help make this a recognized wilderness! A beautiful trip with long term benefits. Call leader: John 530-879-4448 (days) 530-892-1262 (eves) for more information. *Sierra Club, Yahi Group*

## Saturday September 16

**Butte Environmental Council presents the 11th annual Creeks of Chico Cleanup** The event starts at 9 a.m. from Foster's Old Fashioned Freeze at 9th Street and Broadway. Large areas of Little Chico Creek, Big Chico Creek, Lindo Channel, and Comanche Creek will be cleaned. Volunteers should wear sturdy shoes, bring gloves, and use sun block. Refreshments will be provided and prizes will be given to volunteers in a drawing that will be held after the event. For more information call BEC at 891-6424.

**"Kaleidoscopes"** 11:30am-12:30pm, Children ages 7 and up will decorate and construct their own kaleidoscopes using cardboard, markers, beans, beads, and silver acetate. All materials will be provided. Limited to 15 children. Pre-registration is required by calling 891-4671. Free for members, \$3 non-members. *Chico Creek Nature Center*

**Little Grass Valley/Bald Mountain Hike** (grade 1, class B). A moderately strenuous

five-mile round trip hike from Little Grass Valley reservoir to the scenic top of Bald Mountain. A 900-1000' elevation gain/loss with great views at the top. Bring lunch, boots and water. Limited group size, call for information and meeting place. About a 2-hour drive from Chico. Leader: Karen, 894-2495. *Sierra Club, Yahi Group*

**Fall Coffee 2000** We are very pleased to announce that Rae Richman will be our guest speaker at the Sept. 16th Membership Coffee. Rae, who will be driving up from San Francisco, works for Business for Social Responsibility (BSR). This international foundation serves member companies that recognize "corporate social responsibility as a commercial imperative that yields competitive advantages in the marketplace." The importance of this topic to Butte County cannot be overemphasized. Come join us at the First Baptist Church, 850 Palmetto Ave. beginning at 10 a.m. Coffee, tea and goodies will be provided. *League of Women Voters*

## Saturday-Sunday Sept 16-17

**Unknown Coast Weekend- Join us for a fun-filled weekend** touring the quiet coastal towns of Ferndale, Honeydew and Petrolia on September 16-17. The start/finish will be in Ferndale and will consist of two extremely hilly, but scenic days — 65 miles on Saturday and 35 miles on Sunday. This ride explores the lush Eel River, climbs up through the Ave. of the Giants, turning west at the Rockefeller Redwoods and up the prolonged climb to Panther Gap, then down to the Honeydew. The first night's camping is on the Mattole River at A.W. Way County Campground and campground fees, luggage transfer from the start and Saturday's night dinner is all included in the registration fee of \$30. Sunday's breakfast is provided by the Mattole Valley Grange Hall (around \$4.00-\$5.00, payable that morning). Sunday's ride take you down to the Mendocino Coast and up the legendary WALL then back down to sea level before climbing up the Shadow of the WALL on your way back to Ferndale. Unknown Coast Weekend Entry Forms available July 1st. See <http://www.chicovelo.com/unknowncoast.htm> , *Chico Velo*

## Sunday September 17

**A Senior's Walk & Lunch** (grade 1 class A). 11 AM. Enjoy a leisurely walk through a bamboo grove and among other trees along a nice stream. Then, we'll have an optional group lunch to get better acquainted. Meet at Italian cottage, 2525 Dominic DR at the corner of the Skyway. Cost: lunch \$. Leader: Joanne, 893-2154. *Sierra Club, Yahi Group*

## Friday-Sunday Sept. 22-24

**Car Camp in Proposed Coast Range Wilderness Areas** (grade 3, class D). The main purpose of this trip is to photograph proposed wilderness areas. Car camp at undeveloped campground, day hike to Thomes, Grindstone, and Deer Mountain proposed wilderness areas west of Orland. Let's get Barbara Boxer to support these great coast range mountains! Lots of variety. Call leader: John, 530-879-4448 (days) 530-892-1262 (eves) for more information. *Sierra Club, Yahi Group*

## Saturday September 23

**Blue Lake Hike** (grade 1, class B). Join Doug and Chris Perske for a steep 1.5 mile

hike to beautiful Blue Lake in the very scenic proposed Wild Cattle Mountain Wilderness Area near the southern border of Lassen Park. Bring boots, lunch, water and warm layers. A 2-hour drive from Chico, with about 10 miles on an improved dirt road. Meet at Chico Park & Ride at 9 A.M. Leader: Doug, 345-0296. *Sierra Club, Yahi Group*

## Sunday September 24

**Forest Ranch Hill Climb Time Trial** 11 miles from SR 32 at Bruce Rd to the Old Humboldt Toll Station. Prizes to clubmembers. See [www.chicovelo.com](http://www.chicovelo.com) for info, *Chico Velo*

**Heart Lake Hike** (grade 2, class A). Enjoy two beautiful streams, several meadows and nice views of Mt. Brokeoff on this 6-mile round trip hike to Heart Lake. We will gain about 1000' in elevation as we walk in the proposed Heart Lake Wilderness Area south of Lassen National Park. Bring boots, lunch and water. Meet at 8:30 A.M. at the Chico Park & Ride. Leader: Helen, 343-2417. *Sierra Club, Yahi Group*



## Friday-Sun Sept. 29-Oct. 1

**Car Camp West of Mt. Shasta** (grade 2, class B). The main purpose of this trip is to photograph proposed wilderness areas. Car camp at undeveloped campgrounds, day hike to destinations, nothing too much for intermediate hikers. Visit China Mountain, Mount Eddy, and Castle Crags State Park areas. Great views of Mt. Shasta. Put a smile on for congress as I take your picture. We do want these saved as wilderness, don't we? Call leader: John, 530-879-4448 (days) 530-892-1262 (eves) for more information, assistant leader: Alan, 872-0419. *Sierra Club, Yahi Group*

## Saturday September 30

**"Owl Prowl Night Walk"** 7-9pm, Don't miss out on our most popular weekend event: "Owl Prowl!" Scott Torricelli will lead participants through lower Bidwell Park in search of owls. This unique program will get you up close and personal with owls, and expose you to their natural habitat, physical adaptations, and night-time activity. This free event will depart from the Chico Creek Nature Center at 7pm. Please wear appropriate footwear and clothing. Space is limited to 30 people. Pre-registration is required by calling 891-4671. *Chico Creek Nature Center*

**Durham Bike Ride.** Come for a fall ride in the orchards from Chico to Durham and back again. The ride is approximately 22 miles round trip. It is flat and paved the entire way. This is an easy ride, unless you haven't done any biking recently. The pace of the ride will be slow to moderate, with breaks as needed, so that the group members can ride together and socialize. We will leave in the early morning and have breakfast at the





# The Environmental Calendar

French Bakery in Durham. Bring money for breakfast, a well-maintained bike, and hope for a sunny day. Rain cancels. Please call for more details and the departure location. Leader: Roylene, 894-5353. *Sierra Club, Yahi Group*

## Sunday October 1

**Maintain Our Rural Environment's Campaign Raffle-** 1pm to 4 pm. Save Our Trees/Citizen Initiative Ordinance committee Supporting YES On MEASURE "U" is holding an ongoing raffle for wonderful prizes created by local artists at the "Community Interdependence Day Celebration" to be held at the Paradise Rec Center. Currently we are offering as winnings: framed prints of Tanya Mullins' silk paintings of birds, framed print of watercolorist Marianna Love entitled, "The Ethereal Rose", large platter/bowl by master potter Dan Goodsell, a \$125 backpack from Overland Equipment, framed wildlife print by Susan Whilwhite and more to come. Tickets are \$1 each or 7 for \$5. One need not be present to win. Just send a check to M.O.R.E. at P.O Box 966, Paradise, Ca. 95967 and I'll enter your name in the raffle for the # of times you request. Support Paradise citizen's efforts to protect and preserve the remaining pine and oak forests of their town. *Maintain Our Rural Environment*

## Tuesday October 3

**RALLY for Sierra Forests: Sacramento** The rally will go from Noon till 2 p.m The public desire for healthy forests and the scientific consensus that old growth forests and wetlands need to be preserved and restored will have a voice on October 3rd at our state capitol. BEC members and other interested members of the public are encouraged to attend. Contact your forest activist network at 891 6424 or [staff@becnet.org](mailto:staff@becnet.org).

## Saturday October 7

**Trail Maintenance-** Help maintain trails in Upper Bidwell Park from 8:00 a.m. to 12:00 p.m. People of all ages are welcome to participate. It's a good way to learn more about the park trails and what's being done to maintain and improve them. Volunteers should meet at 8:00 a.m. in the parking lot located on the east side of Horseshoe Lake in Upper Bidwell Park. Gloves, tools, training and beverages are provided by the City. Wear sturdy shoes or boots. For more information, contact Steve Hogue at the Parks Dept. at 895-4758 or via e-mail at: [shogue@ci.chico.ca.us](mailto:shogue@ci.chico.ca.us) *City of Chico Parks Department*

**Mineral to Turner Mt. Lookout Mountain Bike Ride.** 28 miles, 2500 feet of climbing with spectacular views of Lassen, Shasta, Lake Almanor, Sutter Buttes, Coast Range, etc. Meet at Chico Park & Ride at 8 AM with properly maintained bike, spare tube, patch kit, pump, lunch, lots of water, and \$ for drivers. Helmet mandatory! Return around 5 PM. Leader: Larry, 342-7998. *Sierra Club, Yahi Group*

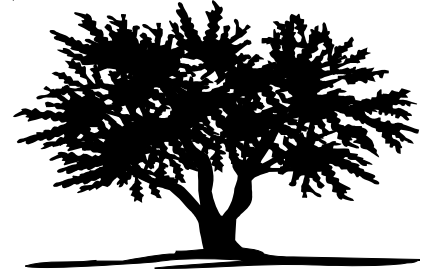
## Saturday-Monday Oct. 7-9

**Yolla Bolly/Middle Eel Wilderness Backpack** (grade 4, class D). A 3 day, 2 night ramble around the headwaters of the Middle Fork of the Eel River, a proposed wilderness area of the California Wild

Heritage Campaign. Total distance of 25-30 miles with 3000-5000' of total elevation gain. Individual commissary. Approximately a 180-200-mile round trip drive. Call leader for more information. Leader: Kevin: 894-0438, assistant leader: Alan, 872-0419. *Sierra Club, Yahi Group*

## Friday-Sunday Oct. 13-15

**Car Camp in Snow Mountain Wilderness Areas** (grade 2, class B). The main purpose of this trip is to photograph proposed wilderness areas in the Coast Range west of Willows. Car camp in a developed campground and day hike into Briscoe, Skeleton Glade, and Snow Mountain Wilderness. We'll be taking pictures for Congress, so appear accordingly. Call leader: John 530-879-4448 (days) 530-892-1262 (eves) for more information. *Sierra Club, Yahi Group*



## Saturday October 14

**Bald Rock Hike.** Come for a short hike with wonderful views of the valley. We will drive from Chico toward Oroville, and wind up in the hills above Oroville on a large group of granite rocks, known as Bald Rock. Please bring dinner, water, and good shoes. We might spend the night depending on the desire of the group at the time. If you plan to spend the night be sure to bring a sleeping bag, and a spongy pad of some kind to cushion the rock surface. There is also a possibility of seeing the full moon if we stay late into evening or overnight. The trip is approximately 80 miles round trip so bring money for drivers if you plan to carpool. Call for more details and the departure location. Leader: Roylene, 894-5353. *Sierra Club, Yahi Group*

## Friday-Sunday Oct. 20-22

**Yahi Singles Work Party at Clair Tappan Lodge near Donner Summit.** We get free lodging and food at the Sierra Club's Clair Tappan Lodge in exchange for helping the staff with repairs needed before winter sets in. Work all day Saturday and part of Sunday, evenings are open for fun (maybe the hot tub will be working). Be ready to do any type of needed work! Bring your work clothes and \$ for car pool drivers (260 miles round trip). Return Sunday by 8 PM. Leader: Steve, 345-0806. *Sierra Club, Yahi Group*

## Saturday October 21

**S.I.F.E. Bidwell Park Cleanup** Meet at 9 a.m. at One-Mile. All ages welcome, rain or shine. For more information, call Students In Free Enterprise at 898-5773 or the Chico Parks Dept. at 895-4758. *Students In Free Enterprise (S.I.F.E.)*

## Sunday October 22

**Feather Falls in the Fall** (grade 2, class B). Enjoy the autumn colors and lunch at the beautiful falls. We'll take the upper trail in and the lower trail out for a total hiking

distance of about 9-10 miles. Bring walking/hiking shoes, water, lunch and a windbreaker. Meet at 8 A.M. at the Chico Park & Ride. Approximate return time 3-4 P.M. Leader: Jan, 894-0438, assistant leader, Kevin 894-0438. *Sierra Club, Yahi Group*

## Saturday October 28

**Cross-Country Ski Trail Maintenance.** Free cross-country ski lesson for those who work on the Colby Meadows ski area. Tools furnished by the Forest Service. Bring work cloths, lunch, and \$ for drivers (approx. 75-mile round trip). Meet at 8:30 AM at Chico Park & Ride. Return around 4 PM. Leader: Larry, 342-7998. *Sierra Club, Yahi Group*

## Saturday October 28

**Book Family Farm for Seniors** (grade 1 class A). Let's have old-fashioned fun at the Book Family Farm looking at the scarecrows, picking out a jack o'lantern, and maybe even a wagon ride. Meet at Park & Ride at 12:45 PM. Costs: Entrance fee unknown. Leader: Joanne, 893-2154. *Sierra Club, Yahi Group*

## Sunday October 29

**Marysville Levee and Ellis Lake Walk** (grade 1, class A). Learn the history of Marysville and enjoy great views of the city and its surroundings as we hike 5-6 miles round trip along the levee to Ellis Lake. Bring lunch, water and comfortable footwear. Meet at 8:30 A.M. at Chico Park & Ride or at 9:30 A.M. at the south side of the Mervyns parking lot in Marysville (3rd & D streets). Leader: Ziggy, 742-2782, assistant leader: Alan, 872-0419. *Sierra Club, Yahi Group*

**Cross-Country Ski Trail Maintenance.** Free cross-country ski lesson for those who work on the Colby Meadows ski area. Tools furnished by the Forest Service. Bring work cloths, lunch, and \$ for drivers (approx. 75-mile round trip). Meet at 8:30 AM at Chico Park & Ride. Return around 4 PM. Leader: Larry, 342-7998. *Sierra Club, Yahi Group*

## Saturday November 4

**Trail Maintenance-** Help maintain trails in Upper Bidwell Park from 8:00 a.m. to 12:00 p.m. People of all ages are welcome to participate. It's a good way to learn more about the park trails and what's being done to maintain and improve them. Volunteers should meet at 8:00 a.m. in the parking lot located on the east side of Horseshoe Lake in Upper Bidwell Park. Gloves, tools, training and beverages are provided by the City. Wear sturdy shoes or boots and bring rain gear in case of wet weather. For more information, contact Steve Hogue at the Parks Dept. at 895-4758 or via e-mail at: [shogue@ci.chico.ca.us](mailto:shogue@ci.chico.ca.us) *City of Chico Parks Department*

## Saturday November 11

**Durham Bike Ride.** Come for a fall ride in the orchards from Chico to Durham and back again. The ride is approximately 22 miles round trip. It is flat and paved the entire way. This is an easy ride, unless you haven't done any biking recently. The pace of the ride will be slow to moderate, with breaks as needed, so that the group members can ride together and socialize. We will leave in the early morning and have

breakfast at the French Bakery in Durham. Bring money for breakfast, a well-maintained bike, and hope for a sunny day. Rain cancels. Please call for more details and the departure location. Leader: Roylene 894-5353. *Sierra Club, Yahi Group*

## Saturday November 18

**Spenceville Hike** (grade 1, class A). Enjoy good views of the Sacramento Valley and Beale Air Force Base on this moderate 5-6 mile hike. Also learn about historic Camp Beale Army Base and hear about future plans for the area. Bring boots, lunch, water. Meet at 9:00 A.M. at the NW corner of the Wal-Mart parking lot in Oroville off of Oro Dam Blvd. or at 9:30 A.M. at the south side of the Mervyns parking lot in Marysville (3rd & D streets). About a 20-mile drive from Marysville to the trailhead. Leader: Ziggy, 742-2782, assistant leader: Alan, 872-0419 *Sierra Club, Yahi Group*

**Cross-Country Ski Trail Maintenance.** Free cross-country ski lesson for those who work on the Colby Meadows ski area. Tools furnished by the Forest Service. Bring work cloths, lunch, and \$ for drivers (approx. 75-mile round trip). Meet at 8:30 AM at Chico Park & Ride. Return around 4 PM. Leader: Larry, 342-7998. *Sierra Club, Yahi Group*

## Sunday December 3

**Hiking & Birding at Gray Lodge** (grade 1, class A). Enjoy the exquisite and abundant wildlife at the Gray Lodge Wildlife Reserve south of Gridley. Join a naturalist who will lead us to the best sightings then lunch among the ducks in the shadow of the Sutter Buttes. Bring walking shoes, lunch, water and \$2 for the entrance fee. Meet at 9 A.M. at the Chico Park & Ride. Approximately an 80-mile round trip drive. Heavy rain cancels. Leader: Jan, 894-0438, assistant leader: Kevin, 894-0438. *Sierra Club, Yahi Group*

## Saturday December 4

**Trail Maintenance-** Help maintain trails in Upper Bidwell Park from 8:00 a.m. to 12:00 p.m. People of all ages are welcome to participate. It's a good way to learn more about the park trails and what's being done to maintain and improve them. Volunteers should meet at 8:00 a.m. in the parking lot located on the east side of Horseshoe Lake in Upper Bidwell Park. Gloves, tools, training and beverages are provided by the City. Wear sturdy shoes or boots and bring rain gear in case of wet weather. For more information, contact Steve Hogue at the Parks Dept. at 895-4758 or via e-mail at: [shogue@ci.chico.ca.us](mailto:shogue@ci.chico.ca.us) *City of Chico Parks Department*

**Environmental News- Butte Environmental Council-** Watch for the Winter 2000 issue due out the 4th of December! Have a wonderful Fall season!



# ButteCountyEcoDirectory

## A.S. Chico Recycling Program

BMU 302 CSU, Chico  
Chico, CA 95929-0765  
530/898-5033 fax: 530/898-4978  
Web: [www.csuchico.edu/as/recycle](http://www.csuchico.edu/as/recycle)  
Email: [asrecycle@csuchico.edu](mailto:asrecycle@csuchico.edu)  
Barbara Kopicki

## A.S. Enviromental Affairs Council

BMU 309 CSU, Chico  
Chico, CA 95929-0750  
530/898-5701 fax: 530/898-6014  
Web: [www.csuchico.edu/eac](http://www.csuchico.edu/eac)  
Email: [asenvironmental@csuchico.edu](mailto:asenvironmental@csuchico.edu)  
Kat Polan

## Altacal Audubon Society

P.O. Box 3671 Chico, CA 95927  
530/891-4671  
Web: [www.audubon.org/chapter/ca/altacal](http://www.audubon.org/chapter/ca/altacal)  
Email: Skip Augur [wba@acm.org](mailto:wba@acm.org)  
Judy White (Chapter President)

## American Lung Association

1108 Sheridan Suite B  
Chico, CA 95926  
530/345-5864 fax: 530/345-6035  
Web: [www.lungusa.org/superiorbranch/index.html](http://www.lungusa.org/superiorbranch/index.html)  
Sara

## Arboretum Management Club, CSUC

### Big Chico Creek Restoration

1st & Normal Streets  
Chico, CA 95929-0750  
530/345-4542  
Web: [www.csuchico.edu/amc/](http://www.csuchico.edu/amc/)  
email: [rkatz@mail.csuchico.edu](mailto:rkatz@mail.csuchico.edu)  
Rob Katz

## Barry R. Kirshner Wildlife Foundation

P.O. Box 841 Durham, CA 95938  
530/899-1700  
Web: [www.kirshner.org](http://www.kirshner.org)  
Email: [admin@kirshner.org](mailto:admin@kirshner.org)

## Bidwell Park Endowment Fund

P.O. Box 3223  
Chico, CA 95927-3223  
530/345-7265  
Tom Barrett

## Bidwell Wildlife Rehabilitation Center

P.O. Box 4005  
Chico, CA 95927  
530/343-9004 (Ans. Srv.)  
Email: [marilyn\\_gamette@fws.gov](mailto:marilyn_gamette@fws.gov)  
Marilyn Gamette

## Big Chico Creek Watershed Alliance

602 Sycamore St. Chico, CA 95928  
530/342-3429 fax: 530/342-3401  
Web: [www.csuchico.edu/watershed/bcc](http://www.csuchico.edu/watershed/bcc)  
Email: [bigchico@csuchico.edu](mailto:bigchico@csuchico.edu)  
Suzanne Gibbs

## Butte Creek Watershed Conservancy

P.O. Box 1611 Chico, CA 95927  
530/893-5399  
Web: [www.buttecreekwatershed.org](http://www.buttecreekwatershed.org)  
Email: [creek@inreach.com](mailto:creek@inreach.com)  
Chuck Kutz

## Butte Environmental Council, Inc.

116 W. Second St. #3  
Chico, CA 95928  
530/891-6424 fax: 530/891-6426  
Web: [www.becnet.org](http://www.becnet.org)  
Email: [staff@becnet.org](mailto:staff@becnet.org)

## Butte Humane Society

2579 Fair St. Chico, CA 95928  
530/343-7917 fax: 530/343-3734  
Web: [www.buttehumane.org](http://www.buttehumane.org)  
Email: [shelter@buttehumane.org](mailto:shelter@buttehumane.org)  
Tracy Ross

## California Conservation Corps

2345 Fair Street Chico, CA 95928  
530/895-4336 pager: 916/592-6500  
Web: [www.ccc.ca.gov](http://www.ccc.ca.gov)  
Bill Reeves

## California Native Plant Society

1722 J St., Suite 17  
Sacramento, CA 95814  
916/447-2677  
Web: [www.cnps.org](http://www.cnps.org)

## California Sportfishing Protection Alliance

P.O. Box 1790 Graeagle, CA 96103  
530/836-1115 fax: 530/836-2062  
Web: [www.dnai.com/~ccate/CSPAPager0.html](http://www.dnai.com/~ccate/CSPAPager0.html)  
Email: [cspa@psln.com](mailto:cspa@psln.com)  
Bob Baiocchi

## California Wilderness Coalition

2655 Portage Bay East, Suite 5  
Davis, CA 95616  
530/758-0380 fax: 530/758-0382  
Web: [www.calwild.org](http://www.calwild.org)  
Email: [info@calwild.org](mailto:info@calwild.org)

## Chico Cat Coalition

P.O. Box 4214  
Chico, CA 95927  
530/894-1365

## Chico Certified Farmers Market

305 Wall St. Chico, CA 95928  
530/893-3276 fax: 530/893-0680  
Email: [karrottalk@aol.com](mailto:karrottalk@aol.com)  
Terry Givens, Market Manager.

## Chico Creek Nature Center

1968 E. 8th St. Chico, CA 95928  
530/891-4671 fax: 530/891-0837  
Web: [www.chico.com/naturecenter](http://www.chico.com/naturecenter)  
Email: [naturecenter@chico.com](mailto:naturecenter@chico.com)  
Judy White, Director

## Chico Flyfishers

1255 E. Lindo Ave.  
Chico, CA 95926  
530/343-2417  
John Ost

## Chico Natural Foods

818 Main St. Chico, CA 95928  
530/891-1713 fax: 530/891-6066  
Web: [www.chiconatural.com](http://www.chiconatural.com)  
Scott Richman & Cheryl McCoy, Co-Managers

## Chico Peace & Justice Center

526 Broadway Chico, CA 95928  
530/893-9078  
Web: [www.becnet.org/ChicoPeace](http://www.becnet.org/ChicoPeace)  
Email: [PeaceFirst@aol.com](mailto:PeaceFirst@aol.com)  
John Martin, Director

## Chico Tree Enhancement & Education Program

P.O. Box 68 Forest Ranch, CA 95942  
530/895-0866  
Email: [rwcole@jps.net](mailto:rwcole@jps.net)  
Roger Cole

## Chico Velo Cycling Club

P.O. Box 2285  
Chico, CA 95927-2285  
530/343-8356 fax: 530/342-4646  
800/482-2453  
Web: [www.chicovelo.com](http://www.chicovelo.com)  
Email: [chicovelo@aol.com](mailto:chicovelo@aol.com)  
Ed McLaughlin

## Deer Creek Watershed

### Conservancy

Box 307 Vina CA 96092  
530/839-2358  
Web: [www.csuchico.edu/watershed/deercreek/](http://www.csuchico.edu/watershed/deercreek/)  
Dianne Gaumer

## Environmental Action & Resource Center

CSU, Chico  
418 Ivy St.  
Chico, CA 95929-  
530/898-5676  
Web: [www.csuchico.edu/earc](http://www.csuchico.edu/earc)  
Kanita Brown

## Environmental Advocates

CLIC, West 2nd & Cherry, CSUC  
Chico, CA 95926-  
530/898-4354 fax: 530/898-4911  
Web: [www.csuchico.edu/clic/ea.htm](http://www.csuchico.edu/clic/ea.htm)  
Email: [clic@csuchico.edu](mailto:clic@csuchico.edu)  
Jeff Furgison

## Farm Sanctuary

P.O. Box 1065 Orland, CA 95963  
530/865-4617 fax: 530/865-4622  
Web: [www.farmsanctuary.org/](http://www.farmsanctuary.org/)  
Email: [west@farmsanctuary.org](mailto:west@farmsanctuary.org)  
Diane Miller, ext 11

## Friends of Butte Creek

500 Orange St. Chico CA 95928  
530/879-0887 fax: 530/879-0885  
Email: [ahart@harpo.to](mailto:ahart@harpo.to)  
Alan Harthorn

## Friends of Plumas Wilderness

P.O. Box 207  
Quincy, CA 95971-0207  
530/283-1007  
Ruth Jackson

## Friends of the River

915 20th Street  
Sacramento, CA 95814  
916/442-3155 fax: 916/442-3396  
Email: [info@friendsoftheriver.org](mailto:info@friendsoftheriver.org)  
Web: [friendsoftheriver.org](http://friendsoftheriver.org)  
Steve Evans

## Humanity Rising

P.O. Box 528 Chico, CA 95927  
530/899-7719  
Email: [jomaha@sunset.net](mailto:jomaha@sunset.net)  
John Omaha

## Lassen Forest Preservation Group

985 Salem St., #4 Chico, CA 95928  
530/345-5698  
Email: [ssayre@jps.net](mailto:ssayre@jps.net)  
Stephen Sayre

## Little Chico Creek Watershed Group

Dept. of Biological Sciences, CSU, Chico  
Chico, CA 95929-0515  
530/898-6311 fax: 530/345-4525  
Email: [JHubbell@exchange.csuchico.edu](mailto:JHubbell@exchange.csuchico.edu)  
Jean Hubbell

## Maintain Our Rural Environment (M.O.R.E.)

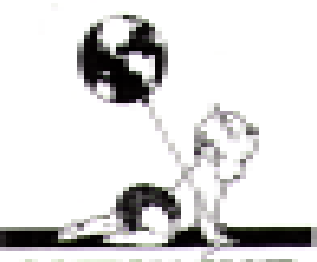
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530/872-1645 fax: 530/872-9402  
Email: [paradisetreest@aol.com](mailto:paradisetreest@aol.com)  
Vicki Redridge-Kunst

## Middle Mountain Foundation, Sutter Buttes

**Naturalists**  
1000 Lincoln Road, Suite H  
Yuba City, CA 95991  
530/634-6387 fax: 530/695-2438  
Web: [www.middlemountain.org](http://www.middlemountain.org)  
Email: [middlemountain@yahoo.com](mailto:middlemountain@yahoo.com)  
Janice Schmile

## Mill Creek Conservancy

P.O. Box 188 Los Molinos, CA 96055  
530/595-4470 fax: 530/595-4470  
Web: [www.csuchico.edu/watershed/millcreek](http://www.csuchico.edu/watershed/millcreek)  
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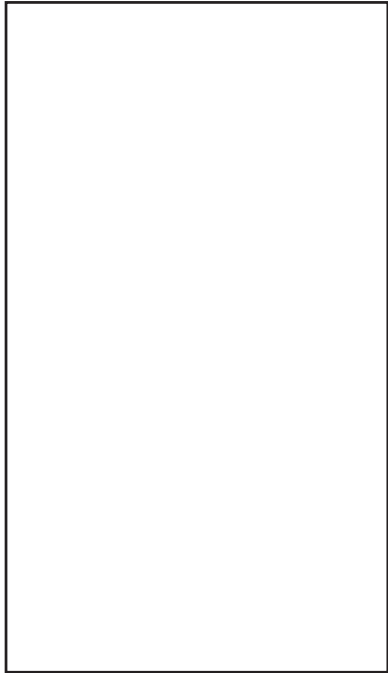
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## Natural Lands Project: Acquisition & Management of Environmental Preserves

Dept. of Geography and Planning, CSU, Chico  
Chico, CA 95929-0425  
530/898-5780 fax: 530/898-6781  
Web: [www.csuchico.edu/watershed/project](http://www.csuchico.edu/watershed/project)  
Email: [dholtgrieve@csuchico.edu](mailto:dholtgrieve@csuchico.edu)  
Dr. Donald Holtgrieve

## Neighbors for Environmental & Fiscal Responsibility

P.O. Box 4512 Chico, CA 95927-4512  
530/345-6125  
Web: [www.shocking.com/~creeks](http://www.shocking.com/~creeks)

## Northern California Regional Land Trust

167 E. 3rd Ave. Chico, CA 95926  
530/894-7738 fax: 530/894-7738  
Email: [parks@shocking.com](mailto:parks@shocking.com)  
Keith McKinley

## Plumas Forest Project

P.O. Box 903 Blairsden, CA 96103  
530/836-2629  
Neil Dion

## Protect Our Watershed

P.O. Box 1223 Paradise, CA 95967  
530/873-6383  
Email: [cont103@aol.com](mailto:cont103@aol.com)  
Jean Crist

## Sacramento River Partners

261 E. 3rd St. Chico, CA 95928  
530/894-3437 fax: 530/894-2970  
Email: [sacrriver@c-zone.net](mailto:sacrriver@c-zone.net)  
John Carlton

## Sacramento River Preservation Trust

631 Flume St.  
P.O. Box 5366 Chico, CA 95927  
530/345-1865 fax: 530/899-5105  
John Merz, Chair

## Sacramento River Watershed Program-Resource Center

Butte Hall, Room 612, CSU, Chico  
Chico, CA 95929-0425  
530/898-4083 or 1-888-815-3330  
Email: [srwp@oberon.lab.csuchico.edu](mailto:srwp@oberon.lab.csuchico.edu)  
Web: [www.sacrriver.org](http://www.sacrriver.org)

## Sierra Club, Yahi Group

P.O. Box 2012 Chico, CA 95927  
530/345-2696  
Web: [www.motherlode.sierraclub.org/yahi/](http://www.motherlode.sierraclub.org/yahi/)  
Linda Stuckey

## Sierra Earth First!

228 Commercial St. Suite 174  
Nevada City, CA 95959  
530/470-0918  
Email: [scott\\_s@oro.net](mailto:scott_s@oro.net)  
Scott Schroder

## Sierra Nevada Forest Protection Campaign

915 20th St.  
Sacramento, CA 95814  
916/442-3155 x206 fax: 916/442-3396  
Web: [www.sierraforests.org](http://www.sierraforests.org)  
Email: [Sierra\\_Campaign@friendsoftheriver.org](mailto:Sierra_Campaign@friendsoftheriver.org)  
Scott Hoffman

## Snow Goose Festival

P.O. Box 1063  
Chico, CA 95927-1063  
800/852-8570 ext 313  
530/891-5556 ext 313

## South Bidwell Park Neighborhood Association

866 Husa Lane Chico, CA 95928  
Web: [www.sbpnassoc.com](http://www.sbpnassoc.com)  
Email: [JSmith3234@aol.com](mailto:JSmith3234@aol.com)

## Stop Bidwell Ranch

49 Forest Creek Circle Chico, CA 95928-4173  
530/345-7205  
Betty Volker

## Streaminders, Chapter of Izaak Walton League

P.O. Box 68 Forest Ranch, CA 95942  
530/895-0866  
Email: [rwcole@jps.net](mailto:rwcole@jps.net)  
Roger Cole

## The Nature Conservancy, Sacramento River Project

500 Main St. Suite B  
Chico, CA 95928  
530/897-6370 fax: 530/342-0257  
Web: [www.tnc.org](http://www.tnc.org)  
Sam Lawson

## The Nature Conservancy, Lassen Foothill Project

958 Washington St.  
Red Bluff, CA 96080  
530/527-0424 fax: 530-527-0384  
Web: [www.tnc.org](http://www.tnc.org)  
Cori Leong

## Valley Water Protection

7399 Hwy 99 Oroville, CA 95965  
530/343-0916 fax: 530/894-7829  
Email: [cofarm@shocking.com](mailto:cofarm@shocking.com)  
Linda Cole

## Young Life Woodleaf

P.O. Box 397  
Center Country School  
Challenge, CA 95925  
530/675-2252 fax: 530/675-0458  
Web: [www.woodleaf.yl.org](http://www.woodleaf.yl.org)  
Email: [Woodleaf@Woodleaf.YoungLife.Org](mailto:Woodleaf@Woodleaf.YoungLife.Org)  
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Become a BEC Volunteer!

We need your help!

We need help — lots of help! With the Environmental Banquet, the Endangered Species Faire and the various Creek Cleanups — our small staff and Board of Directors has its hands full. Any assistance is always very much appreciated.

If you can volunteer your time (no matter how much) and/or have a special skill to share, please fill out the coupon below. If you've volunteered in the past, but aren't sure whether we have your name and current phone on file, you can also submit an updated form. We'll keep your information on file and give you a call when our needs coincide with your offer. Thank you!

Mail this form to BEC, 116 W. Second Street, Chico, CA 95928.

Name \_\_\_\_\_

Address \_\_\_\_\_

City & Zip \_\_\_\_\_

Telephone \_\_\_\_\_

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Times that are usually most convenient for me to volunteer:

☐ Weekday mornings                      ☐ Weekday afternoons

☐ Weekday evenings                      ☐ Weekends

I am interested in helping with the following activities (please check all that apply):

☐ Artwork (graphic art, illustrations, etc.)

☐ Various Creek Cleanups

☐ 22nd Annual Endangered Species Fair (Spring 2001)

☐ Publicity

☐ Soliciting sponsors/donations

☐ Booth construction & set-up (the day before the Faire)

☐ Clean-Up

☐ *Environmental News*, BEC’s quarterly newspaper

☐ Fundraising

☐ Office work

☐ Mailings

☐ News clippings (cutting & filing)

☐ Phones

☐ Research

☐ Photography (taking photos of our events and activities; nature photography)

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