

OF VOLUNTEER

MONITORING

ORGANIZATIONS

The Volunteer Monitoring Program at the State Water

Resources Control Board (SWRCB) and this supporting

document are components of a strategy that is being

implemented by the SWRCB, in partnership with the

Regional Water Quality Control Boards, the Coastal

Commission, local governments, and other public

and private entities, to address nonpoint source

pollution statewide and to fulfill requirements of

Section 6217 of the Coastal Zone Act Reauthorization

Amendments of 1990.



STATE OF CALIFORNIA Pete Wilson, Governor

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY Peter Rooney, Acting Secretary

STATE WATER RESOURCES CONTROL BOARD P.O. Box 100 Sacramento, CA 95812-0100 (916) 657-1247

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Purpose of the Directory

The purpose of this directory is to identify community groups in California that are monitoring aquatic resources--creeks, rivers, bays, lakes, estuaries, and ocean waters. It is hoped that this directory will foster communication between these community groups so they might learn from one another's successes and challenges. The directory will also serve to connect interested volunteers, potential mentors, and resource managers with existing monitoring groups.

The volunteer monitoring groups listed in this directory will also receive notices of resources (conferences, monitoring protocols, quality assurance plans, how-to guides) available in California.

The directory is based on surveys sent out to individuals interested

in volunteer monitoring. Two surveys were conducted. One survey sent out statewide requested very basic information on the groups' monitoring efforts. A more detailed survey was conducted in the San Francisco Bay Region. Both agencies and volunteer monitoring groups were asked to identify the frequency of their monitoring, specific parameters they monitored, and the purpose of their program. The agencies polled included resource agencies (e.g. California Department of Fish and Game, U.S. Fish and Wildlife Service, Regional Water Quality Control Board, Resource Conservation Districts), park districts, storm water agencies, and flood control districts. The results of those surveys are included in this directory.



Chairman's Quote

"Protecting California's valuable water resources is everyone's responsibility. Thank you for doing your part by participating in a volunteer monitoring program. Working together, we can make a difference in keeping our water clean."

Future of the Directory

As our networking efforts mature, we hope to reach those volunteer monitoring groups not yet included here. We hope to expand the information in the next directory to include more specific information about monitoring parameters and data uses. We want others to know how your data are used and how it is accessible to others.



Students at Lennox Middle School and their advisor learn how to determine the salinity of sea water during a training session conducted by the Southern California Marine Institute.

If you want your group identified in the next directory, please fill out the enclosed survey form and return It to:

Bwen Starrett Division of Water Quality State Water Resources Control Board P.O. Box 944213 Sacramento CA 94244-2130 (916) 657-0518

Volunteer Monitoring

Volunteer monitoring is a commonly used, short-hand term for community-based monitoring of aquatic resources. Grade school children, college students, landowners, retirees, volunteer monitors are a diverse lot. From unbridled enthusiasm to unparalleled knowledge of local amphibians, birds, or plants, they bring various skills and interest to the task of knowing their natural world better. In fact, these volunteer monitors may know the health of their creek better than anyone else!

These individuals are more likely aware that protecting those waters is often their personal responsibility. That sense of stewardship is critical to protecting our State's waters from nonpoint source pollution. This pollution can result from careless actions like dumping motor oil down the gutter or from our everyday activities--driving our cars, fertilizing our lawns, or spraying our backyard trees.



"Monitoring means a scheme of successive observations through time that will describe short- and long-term changes in the watershed, including the ordinary diurnal, seasonal, or annual variations due to natural causes, and the effects of human operations. Monitoring should also account for progress of regress relative to goals.

Inventory means a description in which there are either qualitative or quantitative statements or both, that considered as a whole allow a watershed to be visualized, and by these statements can be compared over time and with other watersheds."

- Dr. Josh Collins, San Francisco Estuary Institute

VOLUNTEER MONITORING DIRECTORY

Purpose of Monitoring

Volunteer monitoring groups often start their efforts with an inventory of their creek. Such an inventory describes either qualitatively or quantitatively the physical, chemical, and biological nature of their creek. This provides them with the basic information needed to assess the health of their waters. Once baseline information has been gathered, repeated sampling can help determine changes over time. Properly designed, this type of monitoring may also provide information on whether these changes are due to natural causes or the effects of human activities. Monitoring may also be designed to determine:

- · The effectiveness of restoration or best management practices,
- · Sources of pollutants,
- The impact of a particular activity, and
- · The quality of water compared to specific water quality criteria.

Monitoring takes numerous forms because the desires of different communities vary. For example, one community may want to restore anadromous fish to a local creek. The monitoring goal may be: "We want to know the creek's current status: Can it support coldwater fisheries?" Monitoring the type and quality of fisheries habitat (e.g. pools and riffles) could be a component of their monitoring program. Another component could be basic water quality information. Temperature and dissolved oxygen are measured to determine if they are in a range that support anadromous fish.

Another group might want to know whether near shore ocean waters are safe for swimming and surfing. Their focus is on bacteriological sampling. Other groups might want to know if their creek's health is getting better since they restored a section of creek through town. Other groups might monitor specific pollutants to detect illegal discharges into a storm drain system. Clearly, monitoring goals and monitoring parameters vary widely.

The uses of this monitoring information vary as well. Volunteer-collected information has been summarized and presented at city council meetings, assessed as part of watershed management plans, posted electronically, and published in local newspapers. Information gleaned from monitoring can help communities evaluate their management goals and the effectiveness of their efforts at restoring habitat, reducing pollutants, and protecting our waterways. Volunteer monitoring data have been used by local planning offices to determine appropriate sites for mitigation. Samples collected by volunteers have helped Regional Water Quality Control Board staff determine the magnitude and extent of pesticides in urban creeks. Volunteer monitoring groups have provided baseline information on creek water quality to storm water agencies. Fish and wildlife agencies have used volunteer-collected data on amphibian abundance and distribution. Clearly, there is a great potential for community involvement in assessing and monitoring the health of California's waters.

Status of Volunteer Monitoring in California

Fifty-five volunteer monitoring groups responded to our survey indicating that they were currently monitoring. Another 12 groups indicated that they would like to start a monitoring program. Most groups are monitoring creeks or rivers (Table 1). However, ocean waters, bays, and estuaries are

WATERBODY	NUMBER OF GROUPS Currently Monitoring
Creek	28
River	22
Lake	3
Wetland/Estuary/Bay/Ocean	24

monitored as well. Surprisingly, few monitoring groups indicated that they were currently monitoring lakes.

Types of Monitoring

A wide diversity of monitoring is taking place statewide (Table 2). In a more detailed survey of groups in the San Francisco Bay Region, we found that groups are monitoring a wide spectrum of parameters from temperature, dissolved oxygen, pH, nutrients, bacteria, aquatic insects, fish habitat, riparian vegetation, and bird populations to pebble size (Table 3). From a parallel survey of agencies, it is clear that many agencies could use volunteer support in gathering a diverse array of monitoring information. Pairing data users with volunteer monitoring groups is critically important to the success of volunteer monitoring groups and to water quality protection.

TABLE 2: Monitoring Parameters

PARAMETER	NUMBER OF GROUPS CURRENTLY MONITORING	PERCENTAGE OF GROUPS MONITORING	POTENTIAL MONITORING	PERCENTAGE OF GROUPS MONITORING
Physical	29	48%	22	37%
Illegal Dumping / Discharge	27	45%	31	52%
Habitat Assessment	26	43%	23	38%
Biological	26	43%	23	38%
Chemical	24	40%	24	40%
Beach, River, Lake Clean-ups	17	28%	16	27%
Bacterial	11	18%	18	30%

TABLE 1: Type of Waterbodies that are Currently Monitored

 Educates the community in water quality, aquatic resources, & pollution prevention
 Provides information to:

FOTA

Benefits of Volunteer Monitoring

- Assess effectiveness of pollation prevention measures,
- Establish baseline water quality or biological resource information,
- Establish trends in water quality or aquatic resources,
- Assess effectiveness of enhancement and restoration projects,
- Identify pollution sources
 and illegal spills



TABLE 3:	Summary	of Survey	Parameters:	San I	-rancisco i	Bay I	Region Results	

	Number of Volunteer Organizations Currently Monitoring	Number of Agencies Currently Monitoring
PHYSICAL PARAMETERS		
Water Temperature	6	6
Rainfall	3	13
Substrate Characteristics	2	4
Secchi Transparency	0	0
Flow	3	10
Stream Typing	2	2
Channel Characteristics	4	4
Percents Canopy	2	3
Other	2	0
pH Nitrogen	5	7
pH	5	7
Nitrogen		5
Ammonia	2	4
Phosphorus	0	4
Dissolved Oxygen	5	6
Alkalinity	0	4
Salinity	0	5
Total Dissolved Solids	2	4
Metals	0	8
Trace Elements	0	3
Organics	0	7
Pesticides	0	7
Total Suspended Solids	0	4
Turbidity	2	6
Conductivity	3	3
FLORA PARAMETERS		
Riparian Vegetation	5	6
Aquatic Vegetation	4	3
Other	1	3

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TABLE 3: Summary of Survey Parameters (...continued)

	Number of Volunteer Organizations Currently Monitoring	Number of Agencies Currently Monitoring
FAUNA PARAMETERS		
Macroinvertebrates	3	4
Fish	3	4
Birds	4	11
Other	2	1
BACTERIA PARAMETERS		
Total Coliform	1	6
Fecal Coliform	1	4
Biological Oxygen Demand	0	1
GENERAL PARAMETERS		
Debris Clean Up	5	16
Photo Surveys	3	7
Pipe Surveys	2	7
Watershed Mapping	4	5
Land Use	3	7
Water Diversions	3	1
Stream Obstructions	3	9
Bank Stability Evaluation	4	10
Erosion	2	13
Other	1	2



Sampling for macroinvertebrates can help measure the health of the creek.

Examples of Volunteer Monitoring Programs in California

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 In the North Fork of the Feather River Watershed, high school students evaluate stream morphology to determine whether efforts to stabilize stream channels were effective,

 In the Sacramento Valley, the Urban Creeks Council sampled urban creeks after winter storms for pesticides.

 In the Santa Monica Bay Watershed, volunteers from Heal the Bay collected storm drain samples to help determine if storm drain runoff into Santa Monica Bay was affecting swimmers' health.

 In the South San Francisco Bay, the Coyote Creek Riparian Station has compiled an extensive inventory of wildlife and creek health.



FIGURE 1 : Some Watershed Monitoring Groups in the San Francisco Bay Region

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Partnerships with Data Users

The San Francisco Bay Region surveys of volunteer monitoring groups (Figure 1) and agencies found that there was great potential for partnerships between volunteer monitoring groups and data users. Total monitoring could increase several fold if agencies garnered support from community members.

Agencies wanted volunteers to monitor a diversity of parameters, from rainfall to birds (Figure 2). Their confidence in volunteer monitoring data varied from low to high depending on the parameter (Figure 3).



Volunteers at the Coyote Creek Riparian Station measure the width of the riparian corridor.

Current agency monitoring activities; activities with current volunteer support; and activities identified by agency staff as having the potential for volunteer support.

FIGURE 2:



FIGURE 3.

"Comfort Level" of agency staff with regard to the use of volunteer data for different water quality monitoring parameters. Comfort level is the ratio of yes to no responses regarding potential volunteer support. Abbreviations: TDS, total dissolved solids; DO, dissolved oxygen.



To improve the usefulness of volunteer monitoring data, volunteer groups need to address the concerns of their data users. Agency staff expressed a need for quality assurance/quality control (QA/QC) procedures, protocols, standard training and referral from a recognized referral organization, and a centralized clearinghouse to manage data. The "Volunteer

Monitor's Library" (page 12) includes references to protocols and guidance on QA/QC procedures.

The surveys also indicated that volunteer groups monitor with many of the same objectives as agencies including baseline determinations, education, habitat restoration, watershed planning, problem identification, research, and nonpoint source pollution assessment (Table 4). Agency employees clearly regard public outreach and involvement as an important part of their roles in the community, as nearly half of the responding agencies cited education as one of the reasons that they would make use of volunteers. These shared objectives should pave the way for more rewarding partnerships between volunteer monitoring groups and agencies.

Financial Support

Information from the San Francisco Bay Region surveys indicates that volunteer monitoring organizations receive funding

from an array of resources which include Federal, State and local agencies, private sponsors, and dues. Specifically these funding

sources include Clean Water Act Section 319(h) funds, U.S. EPA Environmental Education grant funds, private foundations,

PARAMETERS	Number of SF Bay Volunteer Organizations	Number of SF Bay Agencies	Number of Agencies that would use Volunteer Data in the Future
Stormwater Permit	1	19	7
NPS Pollution Assessment	3	15	9
Flood Control	1	15	3
Local Decision Making	5	14	10
Problem ID	3	13	12
Habitat Restoration	4	11	13
Baseline Determination	6	11	9
Education	5	10	21
Enforcement	1	10	4
Local Government Planning	5	10	5
Resource Planning	1	9	10
Watershed Planning	3	8	9
Park Management	1	8	4
Research	3	6	10
Local Ordinances	2	4	4
Beneficial Assessment	2	4	4
Other	2	4	2
305(b) Report	0	1	0
Water Classification	1	1	3
Legislation	1	0	0

Table 4: Objectives of Monitoring Groups in the San Francisco Bay Region

philanthropists, local storm water agencies, water districts, and flood control districts. Slightly more groups than not had one sole source of funding.

There is quite a diversity in the budget of volunteer monitoring groups. Total annual budgets ranged from \$1,000 to \$340,000. In the national survey of 463 programs, U.S. EPA found that the median annual budget was \$4,000.

Many volunteer monitoring groups requested information on fund raising and funding sources. There are several different resources available. U.S. EPA's newsletter, The Volunteer Monitor, has a special issue on fundraising. The Riparian Station How-to Manual discusses fund raising and lists funding sources in its appendix. These publications are listed in the "Volunteer Monitor's Library" (page 12).



The Volunteer Monitor's Library

The Monitor's Handbook

Gayla Campbell and Steve Wildberger. Provides the background and specific elements necessary to successfully monitor the quality of our natural waters. The manual is available from LaMotte Company, P.O. Box 329, Chestertown, Maryland, 21620, telephone: (800) 344-3100.

Riparian Station How-to Manual

Mike Rigney, Chris Fischer and Elizabeth Sawyer. The basic information needed to start a riparian station in a California watershed. This manual is not intended to be used as a "cookbook" guide to starting a riparian station. Instead this manual attempts to address key issues which challenge groups as they establish and maintain riparian stations in their watersheds. The manual is available from the State Water Resources Control Board, P.O. Box 944213, Sacramento, CA 94244-2130, telephone: (916) 657-0518.

Volunteer Monitoring Protocols

San Francisco Estuary Institute, editor. Presents methods for monitoring the physical, chemical, and biological aspects of streams. The protocols listed in this manual are intended to assist local groups in understanding key elements of their surrounding environment. Some of the protocols included in this manual are for rainfall, water quality, low flow (thalweg) profile, vegetation resources, birds, reptiles/amphibians, and macroinvertebrates. Each protocol explains the steps involved, the value, and constraints of the data. For each protocol, sample sheets are included to promote consistency in data management. Tier 1 includes the easiest methods, and Tier 3 methods are the hardest and may require additional training. The manual is available from the State Water Resources Control Board, P.O. Box 944213, Sacramento, CA 94244-2130, telephone: (916) 657-0518.

The Volunteer Monitor: The National Newsletter of Volunteer Water Quality Monitoring

Eleanor Ely, editor. Published twice yearly and available free, the newsletter facilitates the exchange of ideas, monitoring methods, and practical advice among volunteer environmental monitoring groups across the nation. To be added to the mailing list, write to The Volunteer Monitor, 1318 Masonic Ave., San Francisco, CA 94117, telephone: (415) 255-8049.

Volunteer Estuary Monitoring: A Methods Manual

U.S. Environmental Protection Agency. EPA 842-B-93-004. Contains protocols for monitoring dissolved oxygen, nutrients, algae, aquatic vegetation, bacteria, debris, and shellfish. Discusses training volunteers and presenting results. For a copy, contact Alice Mayio, U.S. EPA (4503F), 401 M St, SW, Washington, DC 20460, telephone: (202) 260-7018, or write to U.S. EPA, Office of Wetlands, Ocean and Watersheds, (4504F), 401 M St. SW, Washington, DC 20460.

Volunteer Lake Monitoring: A Methods Manual

U.S. Environmental Protection Agency. EPA 440/4-91-002. Contains protocols for monitoring algae, aquatic plants, dissolved oxygen, and sediment. Discusses lake ecology, training volunteers, and presenting results. For a copy, contact Alice Mayio, U.S. EPA (4503F), 401 M St, SW, Washington, DC 20460, telephone: (202) 260-7018.

Volunteer Stream Monitoring: A Methods Manual

U.S. Environmental Protection Agency. EPA 841 D 95-001. April 1995. The field test draft is available. It discusses monitoring design, watershed surveys, macroinvertebrate and habitat assessment, water quality monitoring, and data management and presentation. For a copy, contact Alice Mayio, U.S. EPA (4503F), 401 M St, SW, Washington, DC 20460, telephone: (202) 260-7018.

Volunteer Water Monitoring: A Guide for State Managers

U.S. Environmental Protection Agency. EPA 440/4-90-010. This guidance document is useful to those interested in starting their own program. It discusses planning and implementing a program, providing credible data, costs and funding. For a copy, contact Alice Mayio, U.S. EPA (4503F), 401 M St, SW, Washington, DC 20460, telephone: (202) 260-7018.

Resources for Nonprofit Organizations

Foundation Center

- The Foundation Directory (6,300 major foundations)
- · National Directory of Corporate Giving (2,000 corporate funders)
- National Guide to Giving for the Environment and Animal Welfare (1,000 foundations and corporate giving programs)
- · How-to Guides on funding research, writing proposals

Environmental Data Research Institute

· Environmental Grantmaking Foundations (250 environmental grantmakers)

Environmental Grantmakers Association

Environmental Grantmakers Association Directory
 (public, private, community and corporate foundations and grantmakers)

Nonprofit Resource Centers

Locations throughout California including Sacramento, San Francisco, and Los Angeles. Library of resources including:

- · The Foundation Directory on-line,
- · Periodicals on nonprofit management, and
- · Books on volunteer management.

Classes in:

- · Fund raising,
- · Grant funding,
- · Financial and legal issues of nonprofits, and
- · Management.

The Grantsmanship Center

· Training organization for nonprofit sector

California Association of Nonprofits

- Newsletter
- Annual conference
- Seminars
- Insurance services
- · Discounts on services such as long distance carriers
- Membership dependent on annual budget (\$50 and up)



(213) 482-9860

(408) 458-1955

Jo Smith of the Urban Creeks Council collects a water sample from Arcade Creek in Sacramento.

(800) 424-9836

(800) 724-1857

(212) 373-4260



Environmental Support Center

(202) 328-7813

 Provides grants to nonprofit organizations for training in board development, networking, and fund raising.

Photo Identification

- (pg. 3) Students at Lennox Middle School and their advisor learn how to determine the salinity of sea water during a training session conducted by the Southern California Marine Institute.
- (pg. 7) Sampling for macroinvertebrates can help measure the health of the creek.
- (pg. 9) Volunteers at the Coyote Creek Riparian Station measure the width of the riparian corridor.
- (pg. 13) Jo Smith of the Urban Creeks Council collects a water sample from Arcade Creek in Sacramento.
- (pg. 14) Ed Liu of the U.S. EPA demonstrates the bacterial testing method to volunteers.





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C	Cabrillo Marine Aquarium	
	The Carpinteria Creek Committee	
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	Community Action Board of Santa Cruz County	
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	Friends of Fort Bragg	
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4-H Watershed Project



Judy Neuhauser

2156 Sierra Way, Suite					
San	Luis	Obispo,	CA	93401	

Phone:	805-781-5940
Fax:	805-781-4316

Environment

- O Ocean
- O Wetland
- Estuary, Bay
- O Lake
- O River
- Creek

Waterbody Description

Chorro Creek- - San Luis Obispo County, Morro Bay Estuary Watershed, Morro Bay Estuary, and springs around it.

Mission Statement

The Watershed project helps youth understand their watershed, develop scientific inquiry and critical thinking skills, and encourage their participation in caring for the earth. The Chorro Creek Monitoring Project (ChoMP) is a community service project. The junior high students monitor springs on the estuary. Senior high students develop independent science projects.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	•
Physical Parameters	0	0
Biological Parameters	۲	0
Bacterial Parameters	0	•
Habitat Assessment	0	•
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other: Water Quantity	0	•

Americorps - U.C. Santa Barbara

David Bluth

6689 El Colegio, Apt. 84 Goleta, CA 93117

Phone: 805-968-7988 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

The overall goals or mission for the monitoring/testing program are to gather and compile baseline data concerning water quality on several creeks; to educate interns, volunteers, and citizens throughout the community on water-related issues; to determine public awareness strategies in getting out our message about the quality of water; to adopt techniques to protect creeks; and to institutionalize this program.

Waterbody Location

Mission Creek and Arroyo Burro Creek,

both located in Santa Barbara.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	0	•
Bacterial Parameters	0	•
Habitat Assessment	•	0
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	•
Other:	0	0





Americorps Watershed Project



Jesse Miller, Natural Resources Conservation Service

P.O. Box, 1414	
Weaverville, CA	96093

Phone: 916-623-2823 916-623-2353 Fax:

Waterbody Location

Trinity River Basin and 20 tributaries of the Trinity River.

Ocean 0 Wetland

Environment

- 0 Estuary, Bay
- 0 Lake

0

- . River
- Creek

Mission Statement

The Adopt-A-Watershed Program is an integrated K-12 science curriculum which uses a local watershed as a focal point. To help students develop a sense of stewardship toward their environment and community, the watershed becomes a living laboratory in which students participate in hands-on activities. Students then communicate what they have learned about their watershed to their community through community action and public education projects.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	•	0	
Physical Parameters	•	0	
Biological Parameters	•	0	
Bacterial Parameters	•	0	
Habitat Assessment	•	0	
Illegal Dumping	0	•	
Discharges	•	0	
Beach/River/Lake Cleanup	0	•	
Other:	0	0	

Arcata High School

Louis Armin-Hoiland 1720 M Street

Arcata, CA 95521

Phone: 707-822-1731 Fax: 707-822-1734

AND THE AND TH

Environment

- Ocean
- Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

A school dump with a creek in an underground culvert has been restored to a pond, marsh, and a meandering creek lined with native plants. High school biology students and their teacher designed the project and obtained the funding for excavation and construction to reintroduce native species to the site and to monitor and maintain the project and the Jolly Giant Creek watershed. The students study creek restoration in class, educate the public in their Jolly Giant Creek Status Report, and sponsor creek cleanup and storm drain stenciling.

Waterbody Description

Jolly Giant Creek, Arcata, California, Humboldt County.

Humboldt Bay and Pacific Ocean, Humboldt County.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	•	0
Bacterial Parameters	•	0
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	•	0
Other:	0	0



Ballona Lagoon Marine Preserve

Richard S. Hibbs

Phone: 10822 Oregon Avenue Culver City, CA 90232 Fax:

Environment

- 0 Ocean
- Wetland 0
- Estuary, Bay ۲
- Lake 0
- River 0
- 0 Creek

Mission Statement

310-559-3085

310-836-2029

Waterbody Location

MONITORING PARAMETER	CURRENTLY MONITORING	POTE	ENTIAL MONITORING	
Chemical Parameters			• • • • • • • • • • • •	
Physical Parameters	0		•	
Biological Parameters	0		•	
Bacterial Parameters	0		0	
Habitat Assessment	0		•	
Illegal Dumping	0		0	
Discharges	0		•	
Beach/River/Lake Cleanup	0		•	
Other: Vegetation	0		•	

Bay Area Action

Waterbody Description

San Francisco Bay.

San Francisquito Creek - - Boundary between San Mateo and

Santa Clara Counties - - flows into southern end of

David Smernoff

715 Colorado Avenue, Suite 1 Palo Alto, CA 94303
 Phone:
 415-604-1230

 Fax:
 415-604-1088

Environm	ent
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- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

Bay Area Action is a citizen education and action organization working in the San Francisco Bay area to preserve, restore, and protect the environment.

MONITORING PARAMETER INFORMATION

MONITORING PARAMETER	CURR	ENTLY MONITORING	POTE	NTIAL MONITORING
Chemical Parameters		0		•
Physical Parameters		0		•
Biological Parameters		0		•
Bacterial Parameters		0		•
Habitat Assessment		0		•
Illegal Dumping		•		0
Discharges		•		0
Beach/River/Lake Cleanup		•		0
Other:		0		0

A THOMAS AND THE AND T

Butte Environmental Council



Barbara Vlamis

116 W. Second Street, Suite 3 Chico, CA 95928

Phone: 916-891-6424 Fax:

Waterbody Description

Big Chico Creek, Little Chico Creek, Lindo Channel, Sycamore Creek, Mud Creek, vernal pools.

Ocean 0

Environment

- Wetland
- Estuary, Bay 0
- 0 Lake

0

- 0 River
- Creek

Mission Statement

To encourage the preservation and conservation of the Earth's natural resources. To foster increased public awareness of environmental issues through environmental education and advocacy. Local, regional, and statewide issues are the major focus of the organization. To provide a central referral service for environmental organizations and the general public throughout northern California.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	01 010 010 0	erene e composit 🔶 de la composition de la comp	
Physical Parameters	0	•	
Biological Parameters	0	•	
Bacterial Parameters	0	•	
Habitat Assessment	•	0	
Illegal Dumping	•	0	
Discharges	•	0	
Beach/River/Lake Cleanup	•	0	
Other:	0	0	

Cabrillo Marine Aquarium

Waterbody Location

Steve V	oge	L
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3720 Stephen White Drive San Pedro, CA 90731

Environment				
•	Ocean			
0	Wetland			
0	Estuary, Bay			
0	Lake			

O River

O Creek

Mission Statement

 Phone:
 310-548-7563

 Fax:
 310-548-2649

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MONITORING PARAMETER INFORMATION

MONITORING PARAMETER	CURRENTL	Y MONITORING	POTENTI	AL MONITORING	
Chemical Parameters		•		•	
Physical Parameters		•		•	
Biological Parameters		•		•	
Bacterial Parameters		0		0	
Habitat Assessment		•		•	
Illegal Dumping		0		0	
Discharges		0		•	
Beach/River/Lake Cleanup		•		0	
Other:		0		0	

THAN TO TECT NO PERSON

The Carpinteria Creek Committee



Robert Hansen

P.O. Box 1128 Carpinteria, CA 93014 Phone: 805-684-7948 Fax:

Waterbody Location

Carpinteria Creek, including ocean mouth in the City of Carpinteria, 10 miles southeast of Santa Barbara. Carpinteria Salt marsh.

O OceanO Wetland

Environment

- Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

MONITORING PARAMETER	CURRE	ENTLY MONITORING	POTE	TIAL MONITOR	ING
Chemical Parameters		0		0	
Physical Parameters		0		0	
Biological Parameters		•		•	
Bacterial Parameters		0		•	
Habitat Assessment		•		•	
Illegal Dumping		•		•	
Discharges		•		•	
Beach/River/Lake Cleanu	р	•		•	
Other:		0		•	

Central Coast Salmon Enhancement, Inc.

Complete Bloggo O

Paul Cleveland

P.O. Box 277 Avila Beach, CA 93424

Phone: 805-773-6769 Fax: 805-773-6942



Environment

- Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

The purpose of the volunteer corporation is enhancement and restoration of the Central Coast salmon fishery and San Luis Obispo Creek. Central Coast Salmon Enhancement is also devoted to educating the community on the ecology and economy of these resources. The main activity of the Central Coast Salmon Enhancement is to stock the ocean with King Salmon.

Waterbody Description

San Luis Obispo Creek Watershed.

Fishing from Port San Luis Sport Launch.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	•	a ann a da an	
Physical Parameters	•	•	
Biological Parameters	•	•	
Bacterial Parameters	0	•	
Habitat Assessment	•	О	
Illegal Dumping	0	•	
Discharges	0	•	
Beach/River/Lake Cleanup	•	0	
Other: Flow Rates	0	•	



Citizens Committee to Complete the Refuge

Florence M. LaRiviere

453 Tennessee Lane Palo Alto, CA 94306

Environment

O Ocean

- Wetland
- O Estuary, Bay
- O Lake
- O River
- O Creek

Phone: 415-493-5540 Fax: 415-494-7640

Waterbody Description

Monitoring all wetlands of San Francisco Bay south of San Mateo.

Mission Statement

Preservation of all remaining acres of San Francisco Bay wetlands by placing them in public ownership.

School Involvement

- O Elementary
- O Middle/High
- O College

Data Used By

- Advocacy Groups
- Local Government
- State Government
- Federal Government

PARAMETER INFORMATION

EQUENCY	FREQUENCY	FR	EQUENCY
Debris Cleanup	Stream Typing		Organics
Photo Surveys	Channel Characteristics		Pesticides
Pipe Surveys	% Cover		TSS Sediment
Watershed Mapping	pH		Turbidity Sediment
Land Use	Nitrogen		Conductivity
Water Diversions	Ammonia	x	Riparian Vegetation
Stream Obstruction	Phosphorus	x	Aquatic Vegetation
Bank Stability Evaluation	Dissolved Oxygen		Macroinvertebrate
Erosion	Alkalinity		Fish
Water Temperature	Salinity	-111-00-00-00-00-00-00-00-00-00-00-00-00	Birds
Rainfall	TDS		Total Coliform Bacteria
Substrate Characteristics	Metals		Fecal Coliform Bacteria
Secchi Transparency	Trace Elements		BOD
Flow			

Community Action Board of Santa Cruz County

Beth Dyer

3085 Carriker Lane, Suite B Soquel, CA 95073

Waterbody Description

San Lorenzo River & several tributaries in Santa Cruz County.

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

The Watershed Project seeks to encourage personal and community commitment to nurturing our children and the stewardship of the land we live on. The Project does this through a collaborative effort which links the science curriculum of schools to service in the local watershed; helping to develop an ethic of service in all participants as everyone understands how we are a part of larger process and how we have the power and value in building community and caring for the local environment.

MONITORING PARAMETER INFORMATION

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	0
Physical Parameters	•	0
Biological Parameters	0	0
Bacterial Parameters	0	0
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other: Fish Habitat Structur	res 🕒	0

Phone:408-462-4439Fax:408-426-3345



Corning Union High School

David Tinker

643 Blackburn Avenue Corning, CA 96021

Phone:	916-824-5411
Fax:	916-824-4980

Waterbody Description

Kopta Slough and Sacramento River, near mouth of Deer Creek.

O OceanO Wetland

Environment

- O Estuary, Bay
- O Lake
- River
- O Creek

Mission Statement

For students to be active stewards of their watershed through research and monitoring.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	Provident Contractory	0	
Physical Parameters	•	0	
Biological Parameters	•	0	
Bacterial Parameters	•	0	
Habitat Assessment	О	•	
Illegal Dumping	. 0	0	
Discharges	0	0	
Beach/River/Lake Cleanup	0	0	
Other:	0	0	

Coyote Creek Riparian Station

Chris Fischer

P.O. Box 1027 Alviso, CA 95002

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Phone:408-262-9204Fax:408-263-3523

Waterbody Description

San Francisquito Creek, Stevens Creek, Guadalupe Creek and River, Los Alamitos Creek, Los Gatos Creek and Coyote Creek.

Mission Statement

Riparian habitats support greater biodiversity than virtually any other habitat type in North America, yet we have drained and paved over the vast majority of these valuable areas. Recognizing the extreme importance of riparian corridors, Coyote Creek Riparian Station is devoted to scientific research, restoration, management, and education concerning these remarkable places. The Station gathers, analyzes, and disseminates data, information, and related materials in order to advance our understanding of these complex ecosystems, promote informed decision-making, and provide a sound basis for environmental education.

School Involvement

O Elementary

- Middle/High
- College

- Data Used By
- Advocacy Groups
- Local Government
- State Government
- Federal Government

PARAMETER INFORMATION

FREQUENCY		FRE	QUENCY	FREQUENCY	
S	Debris Cleanup	A	Stream Typing		Organics
Q	Photo Surveys	A	Channel Characteristics		Pesticides
A	Pipe Surveys	A	% Cover		TSS Sediment
A	Watershed Mapping	A	рН	BW	Turbidity Sediment
A	Land Use	BW	Nitrogen	BW	Conductivity
A	Water Diversions		Ammonia	A	Riparian Vegetation
A	Stream Obstruction		Phosphorus	A	Aquatic Vegetation
A	Bank Stability Evaluation	BW	Dissolved Oxygen		Macroinvertebrate
A	Erosion		Alkalinity		Fish
BW	Water Temperature		Salinity	Q	Birds
D	Rainfall	BW	TDS		Total Coliform Bacteria
A	Substrate Characteristics		Metals		Fecal Coliform Bacteria
	Secchi Transparency		Trace Elements		BOD
	Flow				

Fortuna Union High School



Pam Halstead

379 12th Street Fortuna, CA 95540 Phone: Fax:

916-725-4461 x65

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Waterbody Description

Rohner Creek, a tributary of Eel River at Fortuna. Howe Creek between Rio Dell and Ferndale, tributary of Eel River, Cummins Creek, a tributary of Van Duzen River.

Mission Statement

To clean up and remove non-native riparian vegetation and planting native riparian vegetation. Also to maintain the restoration of sites by informing the public with signs, creek manuals, and letters.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	O
Biological Parameters		O
Bacterial Parameters	0	•
Habitat Assessment	0	•
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	•	0
Other:	0	0

Friends of Corte Madera Creek Watershed

Waterbody Description

Corte Madera Creek tributary to San Francisco Bay.

Also Sleepy Hollow Creek, Ross Creek, and San Anselmo Creek.

Carol D'Alessio & Barbara Salzman

P.O. Box 415 Larkspur, CA 94977

Phone:	415-454-8608
Fax:	415-454-1749

Environment

O Ocean

- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

To protect, restore, and enhance the health of the creek and the watershed.

School Involvement

- Elementary
- Middle/High
- O College

Data Used By

- O Advocacy Groups
- O Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

FR	EQUENCY	FR	EQUENCY	FR	EQUENCY
х	Debris Cleanup		Stream Typing		Organics
x	Photo Surveys		Channel Characteristics		Pesticides
	Pipe Surveys		% Cover		TSS Sediment
x	Watershed Mapping	W	pH	W	Turbidity Sediment
	Land Use		Nitrogen	W	Conductivity
	Water Diversions		Ammonia		Riparian Vegetation
	Stream Obstruction		Phosphorus		Aquatic Vegetation
	Bank Stability Evaluation	W	Dissolved Oxygen		Macroinvertebrate
	Erosion		Alkalinity		Fish
w	Water Temperature		Salinity		Birds
	Rainfall		TDS		Total Coliform Bacteria
	Substrate Characteristics		Metals		Fecal Coliform Bacteria
	Secchi Transparency		Trace Elements		BOD
	Flow				

Friends of Fort Bragg



Ron Guenther & Roanne Withers

P.O. Box 198	Phone:	707-961-1953
Fort Bragg, CA 95437	Fax:	707-961-0453

Environment

Waterbody Location Noyo River.

O Wetland

O Ocean

- O Estuary, Bay
- O Lake
- River
- O Creek

Mission Statement

To ensure that Noyo River bypass flows are sufficient to sustain a healthy fish and wildlife population. To ensure that the City of Fort Bragg ceases to overdraft the Noyo for development purposes.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	0
Physical Parameters	0	•
Biological Parameters	0	•
Bacterial Parameters	0	0
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other: Summer/Fall River F	lows 🕒	0

Friends of the Estuary

Ellen Perryess

P.O. Box 1375 Morro Bay, CA 93442

Phone: 805-528-4691 Fax:

Environment

- O Ocean
- Wetland
- Estuary, Bay
- O Lake
- O River
- O Creek

Waterbody Location

Morro Bay, central Coast of California approximately half way between San Francisco and Los Angeles.

Mission Statement

To aid in extending the life of Morro Bay and its estuary by promoting positive programs related to conservation, enhancement, and rehabilitation at local, county, State and Federal levels; and to increase public awareness of environmental threats to the Bay through programs of education, local participatory action, government agency, and legislative communication.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	•
Physical Parameters	•	0
Biological Parameters	0	•
Bacterial Parameters	0	•
Habitat Assessment	0	•
Illegal Dumping	0	0
Discharges	0	•
Beach/River/Lake Cleanup	O	0
Other:	0	0





Friends of the Garcia River

Waterbody Description

P.O. Box 916	
Point Arena, CA	95468

Phone:	707-882-3086
Fax:	707-882-3086

The Garcia River Watershed, southwestern Mendocino County.

Environment

- O Ocean
- Wetland
- Estuary, Bay
- O Lake
- River
- O Creek

Mission Statement

The health and the intelligent planning of the Garcia ecosystem. To provide assistance to the government agencies, to educate the public, and to research the history of the watershed and

the cause and effect of natural and man-made impacts.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	0	0	
Physical Parameters	•	0	
Biological Parameters	0	0	
Bacterial Parameters	0	0	
Habitat Assessment	•	0	
Illegal Dumping	0	0	
Discharges	0	0	
Beach/River/Lake Cleanup	0	0	
Other:	0	0	
Beach/River/Lake Cleanup			
Friends of the Santa Clara River

Richard A. Sweet

660 Randy Drive Newbury Park, CA 91320-3036

Phone: 805-644-2802 Fax: 805-648-9233

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- O Creek

Waterbody Location

Santa Clara River, South Central and lower portion. Riparian habitat and linkages to wildlife corridors.

Mission Statement

Friends of the Santa Clara River is a non-profit public interest organization dedicated to the protection, enhancement, and management of the resources of the Santa Clara River so that its cultural resources are preserved and that the ecosystem, biodiversity and water of the river are of the highest quality possible within the framework of shared responsibility and use for the present and future of both the natural and human needs.

CURRENTLY MONITORING	POTENTIAL MONITORING
•	•
0	0
0	О
0	0
0	0
0	0
0	0
0	0
0	0



Friends of the Santa Margarita River

Evelyn Ashton and Nancy Backstrand

P.O. Box 9	23	
Fallbrook,	CA	92088

Phone:	909-677-5428
Fax:	909-677-3102

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Waterbody Description

The Santa Margarita River in San Diego County and the tributaries and creeks of the Santa Margarita River in southwest Riverside County. This includes Murrieta and Temecula Creeks and their tributary creeks.

Mission Statement

The mission of the Friends of the Santa Margarita River is to preserve, protect, and restore the natural values of the Santa Margarita River and its watershed. Our goals are to gain permanent protective status for the Santa Margarita River; to support land use designations compatible with our mission statement; and to educate the public on the outstanding remarkable values of the river.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	0	0	
Physical Parameters	0	0	
Biological Parameters	•	0	
Bacterial Parameters	•	0	
Habitat Assessment	0	0	
Illegal Dumping	•	0	
Discharges	•	0	
Beach/River/Lake Cleanup	•	0	
Other:	0	0	

Friends of the Ventura River

Mark H. Capelli

63 South Olive Street San Buenaventura, CA 93001 Phone: 805-682-5240 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

Waterbody Location

Monitoring Ventura River below Robles Diversion to its mouth and San Antonio Creek.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	•
Biological Parameters	•	•
Bacterial Parameters	0	0
Habitat Assessment	0	•
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	•	•
Other:	0	0





Greenville/Quincy High School Conservation Class

Michael C. Kossow

P.O. Box 226 Taylorsville, CA 95983

Phone:	916-284-7277
Fax:	916-284-7056

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Waterbody Location

Wolf Creek and Greenhorn Creek.

Mission Statement

We are monitoring change over time on two local restoration projects. There was little baseline data so we are trying to measure if channel and riparian conditions stabilize after the restoration effort.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	•	0
Bacterial Parameters	•	0
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other:	O	O

Heal the Bay

Lisa Dobbins

2701 Ocean Park Avenue, Suite #150 Santa Monica, CA 90405

Phone:	310-581-4188x121
Fax:	310-581-4195

Env	vironment	Waterbody Location
۲	Ocean	
•	Wetland	

- O Estuary, Bay
- 0 Lake

- 0 River
- O Creek

Mission Statement

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	٠
Biological Parameters	0	٠
Bacterial Parameters	0	0
Habitat Assessment	0	•
Illegal Dumping	•	0
Discharges	0	0
Beach/River/Lake Cleanup	•	0
Other: Full catch basins	•	0

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着我这个教育的是并且是ATL的时候,我

KERN River Parkway Foundation



Rich O'Neil

6600 Desmond Court Bakersfield, CA 93308

Phone:	805-399-9672
Fax:	805-327-8877

Environment

- O Ocean
- Wetland
- O Estuary, Bay
- Lake
- River
- O Creek

Waterbody Description

Lower Kern River at 25 miles from Kern Canyon to Lake Buena Vista in Bakersfield.

Mission Statement

Develop parkway of natural areas, clean water, trails, etc., to restore and preserve primary and secondary floodplain and to improve aesthetics and habitat.

MONITORING PARAMETER	CURR	ENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters		0	0	
Physical Parameters		0	0	
Biological Parameters		0	0	
Bacterial Parameters		0	0	
Habitat Assessment		٠	0	
Illegal Dumping		•	O	
Discharges		•	0	
Beach/River/Lake Cleanup		•	O	
Other:		0	0	

Lassen High School

Waterbody Description

Susan River, Honey Lake Valley

Watershed in northeastern California.

Jim Reichle

1110 Main Street Susanville, CA 96130 Phone: 916-251-1107 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

A public high school, that has two courses that actively monitor and perform projects on the Susan River. In addition, biology students use the river as an outdoor study area.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	(1) • • (1) • (1)	0
Biological Parameters	•	0
Bacterial Parameters	•	0
Habitat Assessment	•	0
Illegal Dumping	٠	0
Discharges	0	0
Beach/River/Lake Cleanup	•	0
Other: Flow and Ground Wa	ater O	Ο



The Lindsay Museum - Watershed Watchers

Jeff Hicks

1931 First Avenue Walnut Creek, CA 94596

Phone:	510-935-1978 x45
Fax:	510-935-8015

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

School Involvement

- Elementary
- Middle/High
- O College

Waterbody Description

Walnut Creek and Pine Creek.

Data Used By

- O Advocacy Groups
- Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

FREQUENCY		FREQUENCY	FR	EQUENCY
5	Debris Cleanup	Stream Typing		Organics
	Photo Surveys	Channel Characteristics		Pesticides
	Pipe Surveys	% Cover		TSS Sediment
	Watershed Mapping	pH		Turbidity Sediment
М	Land Use	Nitrogen		Conductivity
	Water Diversions	Ammonia	М	Riparian Vegetation
	Stream Obstruction	Phosphorus		Aquatic Vegetation
	Bank Stability Evaluation	Dissolved Oxygen	М	Macroinvertebrate
	Erosion	Alkalinity		Fish
	Water Temperature	Salinity	М	Birds
	Rainfall	TDS		Total Coliform Bacteria
	Substrate Characteristics	Metals		Fecal Coliform Bacteria
	Secchi Transparency	Trace Elements		BOD
	Flow			

Los Molinos High School

Waterbody Location

Katie Robinson & Anne Bianchi

7900 Sherwood Blvd, P.O. Box 609 Los Molinos, CA 96055

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

The Lassen Range Watershed Project seeks a partnership effort to provide an educational opportunity for relevant experiences for local youth and to develop a watershed management process to promote the protection, enhancement, and stewardship of Deer and Mill Creeks.

MONITORING PARAMETER INFORMATION

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	О
Physical Parameters	•	0
Biological Parameters	•	0
Bacterial Parameters	•	0
Habitat Assessment	•	•
Illegal Dumping	0	О
Discharges	0	0
Beach/River/Lake Cleanup	0	O
Other:	0	0

Phone: Fax:

Watersheds of Mill Creek, Dye Creek and Deer Creek.

916-384-7900 916-384-1534





Mattole Restoration Council

P.O. Box 160 Petrolia, CA 95558 Phone: Fax: 707-629-3514 Same - Call First

Environment

- O Ocean
- O Wetland
- Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

Waterbody Description

The Mattole River and its tributaries in southwestern Humboldt County.

The objectives and purpose of this corporation are the restoration of natural systems in the Mattole River watershed and their maintenance at sustainable levels of health and productivity, especially in regards to forests, fisheries, soils, and other native plant and animal communities.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	O	•
Physical Parameters	•	O
Biological Parameters	٠	О
Bacterial Parameters	0	•
Habitat Assessment	٠	0
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	•
Other: Land use activities	•	0

Mill Valley Watershed Project

Andy Peri

10 Cypress Drive Fairfax, CA 94930

Waterbody Description

Ryan Creek, Arroyo de Corte Madera del Presidio,

Sutton Manor Creek, and Old Mill Creek.

Environment O Ocean

- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

To protect and improve the ecological health of the watershed through community education and involvement. By creating and sponsoring educational programs and events and working collaboratively with public agencies, school groups, and volunteers to monitor Mill Valley creeks, the project hopes to protect and restore natural resources while developing community ties.

School Involvement

- O Elementary
- O Middle/High
- O College

- Data Used By
- O Advocacy Groups
- O Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

FR	EQUENCY	FR	EQUENCY	FR	EQUENCY
	Debris Cleanup		Stream Typing		Organics
	Photo Surveys		Channel Characteristics		Pesticides
	Pipe Surveys		% Cover		TSS Sediment
A	Watershed Mapping	Q	pH	Q	Turbidity Sediment
A	Land Use		Nitrogen		Conductivity
	Water Diversions		Ammonia		Riparian Vegetation
	Stream Obstruction		Phosphorus		Aquatic Vegetation
	Bank Stability Evaluation	Q	Dissolved Oxygen		Macroinvertebrate
	Erosion		Alkalinity		Fish
2	Water Temperature		Salinity		Birds
	Rainfall		TDS		Total Coliform Bacteria
	Substrate Characteristics		Metals		Fecal Coliform Bacteria
	Secchi Transparency		Trace Elements		BOD
2	Flow				

415-457-2434 Same - Call First

Phone:

Fax:



Mountain Alliance



Robert Tardif

P.O. Box 762 Arnold, CA 95223 Phone: 209-795-4913 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

Waterbody Description

The North Fork of the Stanislaus River from McKays Point Dam upstream to its source. Also Highland Creek from the new Spicers Dam downstream to the confluence with the North Fork of the Stanislaus.

Mountain Alliance is a community based organization dedicated to the preservation of our mountain environment and the rural way of life in the Ebbetts Pass area. We believe that the quality of our mountain communities is being threatened. We wish to ensure that all factors necessary to sustain this quality of life are adequately protected, including: scenic beauty, population density, traffic levels, air quality, wildlife abundance, and river flows.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	0	0	
Physical Parameters	0	•	
Biological Parameters	0	0	
Bacterial Parameters	0	0	
Habitat Assessment	0	0	
Illegal Dumping	0	0	
Discharges	0	0	
Beach/River/Lake Cleanup	0	0	
Other:	0	0	

The Nature Conservancy -Cosumnes River Preserve

Rich Reiner

13501 Franklin Blvd. Galt, CA 95632

Waterbody Description

Cosumnes River.

O Ocean

Environment

- O Wetland
- O Estuary, Bay
- O Lake
- River
- O Creek

Mission Statement

The Cosumnes River Preserve is dedicated to the maintenance of viable wetland habitat for the use by permanent and transitory waterfowl.

School Involvement

- O Elementary
- O Middle/High
- O College

Data Used By

- O Advocacy Groups
- O Local Government
- O State GovernmentO Federal Government
- PARAMETER INFORMATION

FRI	EQUENCY	FR	EQUENCY	FR	EQUENCY
	Debris Cleanup		Stream Typing		Organics
	Photo Surveys		Channel Characteristics		Pesticides
	Pipe Surveys		% Cover		TSS Sediment
	Watershed Mapping	M	pH		Turbidity Sediment
	Land Use		Nitrogen	Μ	Conductivity
	Water Diversions		Ammonia		Riparian Vegetation
	Stream Obstruction		Phosphorus		Aquatic Vegetation
	Bank Stability Evaluation	М	Dissolved Oxygen		Macroinvertebrate
	Erosion		Alkalinity		Fish
1	Water Temperature		Salinity		Birds
	Rainfall	М	TDS		Total Coliform Bacteria
	Substrate Characteristics		Metals		Fecal Coliform Bacteria
	Secchi Transparency		Trace Elements		BOD
	Flow				





The Nature Conservancy -Kern River Preserve

Reed Tollefson

P.O. Box 1662 Weldon, CA 93283 Phone: 619-378-2531 Fax: 619-378-3881

Environment

- O Ocean
- Wetland
- O Estuary, Bay
- O Lake
- River
- O Creek

Waterbody Location

South Fork Kern River- -from confluence with Canbreak Creek to Lake Isabella- -Kern County.

Mission Statement

To protect riparian forest and wetlands on the South Fork Kern River. To work with local ranchers, farmers, and public agencies to manage this river and watershed.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	0
Physical Parameters	0	0
Biological Parameters	•	0
Bacterial Parameters	0	0
Habitat Assessment	О	•
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other: Flow & Volume	0	•

The Nature Conservancy -**McCloud River Preserve**

Bill Meyers & Karen Bolda

P.O. Box 409 McCloud, CA 96057

Waterbody Description

The McCloud River at Ladybug Creek and Bald Mountain Creek in Shasta County.

Lake River

Environment

Wetland

Estuary, Bay

O Ocean

0

0

0

Creek

Mission Statement

The Nature Conservancy's McCloud River Preserve has been established to protect the natural features of the McCloud River and canyon while supporting non-consumptive public use. The Nature Conservancy also supports education and scientific study at the Preserve, activities which increase our awareness and understanding of the area's environmental resources.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	٠
Physical Parameters	٠	0
Biological Parameters	•	•
Bacterial Parameters	0	0
Habitat Assessment	0	•
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other:	0	0

Phone:	916-926-4386
Fax:	916-926-1850



The Nature School



Robert LaRosa & Gloria Garrillo

P.O. Box 7331 San Diego, CA 92167 Phone: 619-224-2003 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Mission Statement

Waterbody Description

Moores Gulch in Soquel, a tributary to Soquel Creek, 80 miles south of San Francisco.

To bring back wild salmon to California coastal streams. Using such methods as teaching stream ecology, water quality, watershed management and applying stream and riparian restoration techniques. Using classroom trout catching, field study, hydraulic construction in streams, and native revegetation.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	٠	0
Physical Parameters	۲	0
Biological Parameters	•	0
Bacterial Parameters	0	•
Habitat Assessment	•	0
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	•
Other:	0	0

People for Healthy Forest

Bob Stack & Linda Conklin

P.O. Box 3252 Sonora, CA 95370

Phone:	209-532-2956	
Fax:	Same - Call First	



Waterbody Location

Rose Creek, Stanislaus National Forest (Stanislaus River Watershed).

Wetland 0 Estuary, Bay

Environment

Ocean

0 Lake

0

0

- 0 River
- Creek

Mission Statement

The primary objectives and purposes of this corporation is to work in the public interest by stopping the use of chemicals on public lands and to educate the public about their harmful effects on people and the environment. To support alternatives to pesticide use in our communities and to coordinate and support volunteer efforts and projects to protect the forest ecosystem and human health in our communities.

RING POTENTIAL MONITORING
0
0
0
0
0
0
0
0
0



Redwood Community Action Agency

Ruth Blyther

904 G Street Eureka, CA 95501

Phone:	707-269-2066
Fax:	707-445-0884

Environment

- O Ocean
- Wetland
- Estuary, Bay
- O Lake
- River
- Creek

Waterbody Location

We are interested in coastal watersheds of Humboldt County and Humboldt Bay.

Mission Statement

To develop and implements projects and programs which help to improve the quality and productivity of our North Coast natural resources: fish, soil, trees, water and scenic beauty. And to improve the health of our economy and environment

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	•
Biological Parameters	٠	•
Bacterial Parameters	0	0
Habitat Assessment	٠	•
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other:	0	0

Resource Conservation District of the Santa Monica Mountains

Kathleen Bullard

122 No. Topanga Canyon Blvd Topanga, CA 90290

Waterbody	Location
-----------	----------

Malibu Creek Watershed including Malibu Lagoon.

Phone:

Fax:

310-455-1030

310-455-1172

Environment

- Ocean
- O Wetland
- Estuary, Bay
- O Lake
- O River
- O Creek

Mission Statement

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	0
Physical Parameters	•	0
Biological Parameters	•	O
Bacterial Parameters	0	0
Habitat Assessment	0	О
Illegal Dumping	٠	O
Discharges	۲	0
Beach/River/Lake Cleanup	0	0
Other:	0	0





San Diego County Water Authority

Ivan Golakoff

3211 5th Avenue San Diego, CA 92103

Phone:	619-682-4131
Fax:	619-683-3956

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

Waterbody Description

Tijuana River, Sweetwater River, San Diego River and their tributaries. Also monitoring along Los Penasquitos Creek, Escondido Creek and San Marcos Creek.

The purpose of our program is to provide the equipment for other groups to use. For some, this is a portion of a more comprehensive program.

PARAMETER INFORMATION

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	•	0	
Physical Parameters	•	0	
Biological Parameters	•	0	
Bacterial Parameters	•	0	
Habitat Assessment	•	0	
Illegal Dumping	0	0	
Discharges	0	0	
Beach/River/Lake Cleanup	•	0	
Other:	0	0	

San Francisco Bay Bird Observatory

Janet Hanson

P.O. Box 247 Alviso, CA 95002

Waterbody Description

Shoreline of the San Francisco Bay and some South Bay sloughs.

Phone:

Fax:

408-946-6548

408-946-9279

Estuary, Bay

Environment

Ocean

Wetland

O Lake

0

0

- O River
- O Creek

Mission Statement

To conduct research on avian species on the San Francisco Bay National Wildlife Refuge and surrounding area and to make data available for management and restoration decisions. To educate the public and to utilize volunteers in collection of data.

School Involvement

- **O** Elementary
- O Middle/High
- O College

Data Used By

- O Advocacy Groups
- Local Government
- State Government
- Federal Government

PARAMETER INFORMATION

REQUENCY	FREQUENCY	FR	EQUENCY
Debris Cleanup	Stream Typing		Organics
Photo Surveys	Channel Characteristics		Pesticides
Pipe Surveys	% Cover		TSS Sediment
Watershed Mapping	pH		Turbidity Sediment
Land Use	Nitrogen		Conductivity
Water Diversions	Ammonia		Riparian Vegetation
Stream Obstruction	Phosphorus		Aquatic Vegetation
Bank Stability Evaluation	Dissolved Oxygen		Macroinvertebrate
Erosion	Alkalinity	2	Fish
Water Temperature	Salinity	x	Birds
Rainfall	TDS		Total Coliform Bacteria
Substrate Characteristics	Metals		Fecal Coliform Bacteria
Secchi Transparency	Trace Elements		BOD
Flow			





Santa Clarita Organization for Planning the Environment

Lynne A. Plambeck

P.O. Box 1182 Canyon Country, CA 91386

Phone:	818
Fax:	818

818-845-7652 818-845-7651

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- O Creek

Mission Statement

Waterbody Location

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	•
Biological Parameters	0	•
Bacterial Parameters	0	0
Habitat Assessment	O	•
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	•
Other: Development Impact	S	
on Water Quality / Quantity	0	•

Santa Monica Baykeeper

Kris Haddad

P.O. Box 10096 Marina Del Rey, CA 90295

Waterbody Location

Santa Monica Bay coastline from Point Dume,

Malibu to Point Vicente, Palos Verdes.

EnvironmentOcean

- O Wetland
- Estuary, Bay
- O Lake
- O River
- O Creek

Mission Statement

The primary mission is to continually survey the environmental health of Santa Monica Bay and its surrounding watersheds. And to monitor and identify the worst polluting storm drains and investigate "upstream" to find and stop the source of the pollution. Also to detect storm drain or illegal drain pollution incidents. Also to alert the public to potential hazards and expose those who contribute in any way to the degradation of this ecosystem. To promote the restoration of wildlife and aquatic populations, beach cleanup, and habitat rehabilitation.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	0	O
Bacterial Parameters	•	0
Habitat Assessment	•	0
Illegal Dumping	•	О
Discharges	•	0
Beach/River/Lake Cleanup	0	0
Other:	О	0

Phone:	310-305-9645
Fax:	310-305-7985



Sequoia Elementary School

510-935-5721

Phone:

Fax:



Bettie Morrison

277 Boyd Road Pleasant Hill, CA 94523

Waterbody Description

Murderer's Creek.

O Wetland

Environment

Ocean

- O Estuary, Bay
- O Lake

0

- O River
- Creek

Mission Statement

To integrate a creek study program into the school curriculum.

School Involvement

- Elementary
- O Middle/High
- O College

Data Used By

- O Advocacy Groups
- O Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

FREQUENCY		FR	FREQUENCY		FREQUENCY	
	Debris Cleanup		Stream Typing		Organics	
M	Photo Surveys	w	Channel Characteristics		Pesticides	
	Pipe Surveys		% Cover		TSS Sediment	
	Watershed Mapping	W	рН		Turbidity Sediment	
	Land Use	W	Nitrogen		Conductivity	
	Water Diversions		Ammonia	A	Riparian Vegetation	
	Stream Obstruction		Phosphorus	A	Aquatic Vegetation	
	Bank Stability Evaluation	W	Dissolved Oxygen	w	Macroinvertebrate	
	Erosion		Alkalinity	w	Fish	
V	Water Temperature		Salinity		Birds	
	Rainfall		TDS		Total Coliform Bacteria	
	Substrate Characteristics		Metals		Fecal Coliform Bacteria	
	Secchi Transparency		Trace Elements		BOD	
V	Flow					

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other

Shasta County Office of Education, Watershed Project

David Klasson

1644 Magnolia Avenue Redding, CA 96001-1599

Waterbody Location

Upper Churn Creek, northern Shasta County; Clear Creek, western Shasta County.

Phone:

Fax:

916-225-0116

916-225-0114

Wetland 0 Estuary, Bay

Environment

Ocean

Lake 0

0

0

- River 0
- Creek

Mission Statement

The Watershed Project seeks to encourage personal and community commitment for nurturing our children and the stewardship of the land we live on. The Project does this through a collaborative effort which links the science curriculum of schools to service in the local watershed; helping to develop an ethic of service in all participants as everyone understands how we are a part of a larger process, and how we have the power and value in building community and caring for the local environment.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	•	0
Bacterial Parameters	0	•
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	О	O
Beach/River/Lake Cleanup	0	0
Other:	0	0



Sonoma Ecology Center

Phone:

Fax:

707-996-9744

707-996-9744



Richard Dale

205	First	Stre	et W	est	
Son	oma,	CA	945	76	

Waterbody Description

Sonoma Creek.

O Wetland

Environment

Ocean

- O Estuary, Bay
- O Lake

0

- O River
- Creek

Mission Statement

To preserve restore and enhance the Sonoma Creek and its aquifer, its riparian corridor, and the watershed that sustains them through citizen action and involvement, public education, research, and expert advocacy.

School Involvement

- Elementary
- Middle/High
- College

Data Used By

- O Advocacy Groups
- Local Government
- State Government
- Federal Government

FREQUENCY		FR	FREQUENCY		FREQUENCY	
A	Debris Cleanup		Stream Typing		Organics	
	Photo Surveys		Channel Characteristics		Pesticides	
	Pipe Surveys		% Cover		TSS Sediment	
	Watershed Mapping	х	рН		Turbidity Sediment	
	Land Use	x	Nitrogen		Conductivity	
A	Water Diversions	X	Ammonia	BM	Riparian Vegetation	
	Stream Obstruction	X	Phosphorus		Aquatic Vegetation	
	Bank Stability Evaluation	x	Dissolved Oxygen		Macroinvertebrate	
	Erosion	X	Alkalinity	A	Fish	
X/M	Water Temperature		Salinity		Birds	
	Rainfall		TDS		Total Coliform Bacteria	
	Substrate Characteristics		Metals		Fecal Coliform Bacteria	
	Secchi Transparency		Trace Elements		BOD	
X/M	Flow					

PARAMETER INFORMATION

Surfrider Foundation: San Francisco Chapter

Clay Bennett

Environment

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0

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0

Ocean

Wetland

Estuary, Bay

2941 Carlsen Street Oakland, CA 94602

Waterbody Description

Pacific Ocean and San Francisco Bay beaches near Golden Gate Bridge.

Phone:

Fax:

510-482-2644

- Lake River 0
- 0 Creek

Mission Statement

To monitor and improve our local surf sports. Surfrider is a non-profit environmental organization dedicated to the protection and enhancement of the world's waves and beaches through conservation, research, and education.

School Involvement

- 0 Elementary
- Middle/High .
- College 0

- **Data Used By**
- O Advocacy Groups
- O Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

EQUENCY	FREQUENCY	FR	EQUENCY
Debris Cleanup	Stream Typing		Organics
Photo Surveys	Channel Characteristics		Pesticides
Pipe Surveys	% Cover		TSS Sediment
Watershed Mapping	рН	0	Turbidity Sediment
Land Use	Nitrogen		Conductivity
Water Diversions	Ammonia		Riparian Vegetation
Stream Obstruction	Phosphorus		Aquatic Vegetation
Bank Stability Evaluation	Dissolved Oxygen		Macroinvertebrate
Erosion	Alkalinity		Fish
Water Temperature	Salinity		Birds
Rainfall	TDS	x	Total Coliform Bacteria
Substrate Characteristics	Metals	х	Fecal Coliform Bacteria
Secchi Transparency	Trace Elements		BOD
Flow			

61



Surfrider Foundation, Santa Cruz Chapter

Rob Hartzell

P.O. Box 3203 Santa Cruz, CA 95063

Phone:	408-423-7667
Fax:	408-423-7612

Environment

- Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Waterbody Description

We monitor various recreational beach areas up and down the Coast of Santa Cruz County.

Mission Statement

Surfrider is an environmental organization dedicated to protecting and enhancing the world's waves and beaches. Our local goals are to better protect our beaches from water pollution.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	O
Physical Parameters	•	0
Biological Parameters	0	O
Bacterial Parameters	•	0
Habitat Assessment	0	0
Illegal Dumping	٠	0
Discharges	٠	0
Beach/River/Lake Cleanup	٠	0
Other:	0	0

Surfrider Foundation -Ventura County Chapter

John Florez

Environment

Ocean

Wetland

Lake

River Creek

Estuary, Bay

0

0

0

0

227 Oakwood Street Ventura, CA 93003

Waterbody	Location
-----------	-----------------

Pacific Ocean beaches in Ventura County, near shore and ocean surface. Surfing spots from Rincon Point, Solimar, Stables (Ventura River Mouth), Silver Strand, Hueneme Beach, Ventura/ Los Angeles County line, Santa Clara River and Rincon Creek.

Phone:

Fax:

805-653-0654

805-648-4663

Mission Statement

To protect the beaches by ocean water monitoring and educating the public in basic beach safety and ecology.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	O	٠
Physical Parameters	0	٠
Biological Parameters	0	•
Bacterial Parameters	•	0
Habitat Assessment	0	•
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	•
Other: Flood Plain Encroach	ment O	•





Tijuana River National Estuarine Research Reserve

Gail Sevrens

301 Caspian Way Imperial Beach, CA 91932

Phone:	619-575-3613
Fax:	619-575-6913

Environment

- O Ocean
- O Wetland
- Estuary, Bay
- O Lake
- O River
- O Creek

Waterbody Description

Tijuana River, and storm drain outfalls that empty into the estuary. The estuary is located within a 2,500 acre reserve in the extreme southwest corner of California.

Mission Statement

To preserve, protect, and manage the natural and cultural resources of the estuary by focusing on research and education with compatible recreation and resource use. This will be accomplished through partnerships with the community, educational institutions, and government working in the estuary, its watershed, and the biogeographic region.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	•	•	
Physical Parameters	•	•	
Biological Parameters	0	•	
Bacterial Parameters	0	•	
Habitat Assessment	0	0	
Illegal Dumping	0	0	
Discharges	•	•	
Beach/River/Lake Cleanup	•	•	
Other: Weather Station			
Monitoring	O	•	

Topanga Canyon Floodplain Citizens' Advisory Committee

Phone:

Fax:

310-455-1709

310-455-2080

Rabyn Blake

P.O. Box 1531 Topanga, CA 90290

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- O Creek

Mission Statement

Waterbody Location

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	•
Biological Parameters	0	•
Bacterial Parameters	0	•
Habitat Assessment	0	•
Illegal Dumping	0	•
Discharges	0	•
Beach/River/Lake Cleanup	0	٠
Other:	0	0

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TATS TO DESCRIPTION ADDRESS (2020)



Trinity County Resource Conservation District

Noreen Doyas

Environment

Ocean Wetland

Lake River

Creek

0

0 0

0

.

P.O. Box 1414 Weaverville, CA 96093

Waterbody Location

 Phone:
 916-623-6004

 Fax:
 916-623-6006

Hayfork Creek, Grass Valley Creek and tributaries, South Fork Trinity River, and mainstream Trinity River.

Mission Statement

Estuary, Bay

To work with public and private landowners to solve resource related problems. Our primary goal is to implement projects aimed at keeping sediment from reaching the Trinity River in order to restore the fisheries. We are also working to improve fisheries habitat by lowering water temperatures and increasing water quantities in the Hayfork Basin.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING	
Chemical Parameters	•	0	
Physical Parameters	•	0	
Biological Parameters	•	0	
Bacterial Parameters	•	0	
Habitat Assessment	•	0	
Illegal Dumping	0	0	
Discharges	0	0	
Beach/River/Lake Cleanup	0	0	
Other: Sediment	•	0	
Illegal Dumping Discharges Beach/River/Lake Cleanup	0	0	

United Anglers of Casa Grande High School

Tom Furrer

333 Casa Grande Road Petaluma, CA 94954

Waterbody Description

Adobe Creek, Ellis Creek, Lynch Creek, Washington Creek, and Willow Brook.

Lake Õ River

Environment

Ocean

Wetland

Estuary, Bay

0

0

0

0

Creek

Mission Statement

Save the Adobe Creek steelhead trout from extinction. Offers students a creative approach to learning through integration of science and mathematics with an emphasis on aquatic environmental studies and with the utilization of hands-on technique by working in a "live" environment. Collaborate with science and technology experts, business, community, and government officials.

School Involvement

- Elementary
- Middle/High
- College

- **Data Used By**
- Advocacy Groups .
- Local Government 0
- 0 State Government
- Federal Government 0

PARAMETER INFORMATION

				EQUENCY
Debris Cleanup		Stream Typing		Organics
Photo Surveys	W	Channel Characteristics		Pesticides
Pipe Surveys		% Cover		TSS Sediment
Watershed Mapping	x	pH		Turbidity Sediment
Land Use	М	Nitrogen		Conductivity
Water Diversions	М	Ammonia	M	Riparian Vegetation
Stream Obstruction		Phosphorus	M	Aquatic Vegetation
Bank Stability Evaluation	D	Dissolved Oxygen		Macroinvertebrate
Erosion		Alkalinity	D	Fish
Water Temperature		Salinity	w	Birds
Rainfall		TDS		Total Coliform Bacteria
Substrate Characteristics		Metals		Fecal Coliform Bacteria
Secchi Transparency		Trace Elements		BOD
Flow				
	Pipe Surveys Watershed Mapping Land Use Water Diversions Stream Obstruction Bank Stability Evaluation Erosion Water Temperature Rainfall Substrate Characteristics Secchi Transparency	Pipe SurveysIWatershed MappingXLand UseMWater DiversionsMStream ObstructionDBank Stability EvaluationDErosionIWater TemperatureRainfallSubstrate CharacteristicsSecchi Transparency	Pipe Surveys%Watershed MappingXLand UseMWater DiversionsMMater DiversionsMStream ObstructionDBank Stability EvaluationDDissolved OxygenErosionAlkalinityWater TemperatureSalinityRainfallTDSSubstrate CharacteristicsMetalsSecchi TransparencyI	Pipe Surveys% CoverWatershed MappingXpHLand UseMNitrogenWater DiversionsMAmmoniaMStream ObstructionDDissolved OxygenMBank Stability EvaluationDDissolved OxygenDErosionISalinityWRainfallIDSTDSSubstrate CharacteristicsMMetalsSecchi TransparencyITrace Elements



Phone: 707-778-4703

Fax:



University of California - Angelo Reserve

Peter Steel

42101 Wilderness Lodge Road Branscomb, CA 95417 Phone: 707-984-6653 Fax:

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- River
- Creek

Mission Statement

Waterbody Description

A five kilometer section of the South Fork Eel River between the town of Branscomb and Highway 101 to the north. Also several first order streams including Elder Creek, a registered Natural History Landmark.

The Angelo Reserve is a unit of the University of California's (UC) Natural Reserve System which provides natural areas for teaching and research primarily to UC faculty and students, but not exclusive of other educational institutions or groups.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	•	0
Physical Parameters	•	0
Biological Parameters	•	•
Bacterial Parameters	0	0
Habitat Assessment	•	0
Illegal Dumping	0	0
Discharges	0	0
Beach/River/Lake Cleanup	0	0
Other:	0	0

Urban Creeks Council

Phone:

Fax:

510-540-6669

510-848-2219

Ellie Insley

1250 Addison Street, # 107C Berkeley, CA 94702

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- O Lake
- O River
- Creek

Waterbody Description Wildcat Creek

Mission Statement

To develop a water quality monitoring program on Wildcat Creek, training students and community members in monitoring techniques and watershed awareness. The data will be collected in a way that meets the quality assurance requirements for baseline data and will be used by local agencies.

School Involvement

- Elementary
- Middle/High
- O College

Data Used By

- O Advocacy Groups
- Local Government
- O State Government
- O Federal Government

PARAMETER INFORMATION

FREQUENCY		FRE	FREQUENCY		FREQUENCY	
х	Debris Cleanup		Stream Typing		Organics	
	Photo Surveys		Channel Characteristics		Pesticides	
	Pipe Surveys		% Cover		TSS Sediment	
	Watershed Mapping	BM	pН	BM	Turbidity Sediment	
	Land Use		Nitrogen	BM	Conductivity	
	Water Diversions	BM	Ammonia		Riparian Vegetation	
	Stream Obstruction		Phosphorus		Aquatic Vegetation	
	Bank Stability Evaluation	BM	Dissolved Oxygen		Macroinvertebrate	
	Erosion		Alkalinity		Fish	
BM	Water Temperature		Salinity		Birds	
D	Rainfall		TDS		Total Coliform Bacteria	
	Substrate Characteristics		Metals		Fecal Coliform Bacteria	
	Secchi Transparency		Trace Elements		BOD	
	Flow					



D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other



U.C. Cooperative Extension, Plumas-Sierra Counties

Michael DeLasaux

208 Fairground Road Quincy, CA 95971

Phone:	916-283-6270		
Fax:	916-283-4210		

Environment

- O Ocean
- O Wetland
- O Estuary, Bay
- Lake
- River
- Creek

Mission Statement

A mission statement is not established at this time.

Waterbody Description

Creeks, rivers, and lakes within Feather River Watershed.

MONITORING PARAMETER	CURRENTLY MONITORING	POTENTIAL MONITORING
Chemical Parameters	0	•
Physical Parameters	0	•
Biological Parameters	0	•
Bacterial Parameters	0	0
Habitat Assessment	0	•
Illegal Dumping	0	O
Discharges	0	0
Beach/River/Lake Cleanup	0	•
Other:	0	О
The second second

County Index



ALAMEDA

Surfrider Foundation - San Francisco Chapter

2941 Carlsen Street Oakland, CA 94602 Phone: 510-482-2644 *Clay Bennett*

Urban Creeks Council 1250 Addison Street, #1070 Berkeley, CA 94702 Phone: 510-540-6669 Fax: 510-848-2219 Ellie Insley

BUTTE

Butte Environmental Council 116 W. Second Street, Suite 3 Chico, CA 95928 Phone: 916-891-6424 Barbara Vlamis

CALAVERAS

Mountain Alliance P.O. Box 762 Arnold, CA 95223 Phone: 209-795-4913 Robert Tardif

CONTRA COSTA

Sequoia Elementary School 277 Boyd Road Pleasant Hill, CA 94523 Phone: 510-935-5721 Bettie Morrison

The Lindsay Museum - Watershed Watchers 1931 First Avenue Walnut Creek, CA 94596 Phone: 510-935-1978 x45 Fax: 510-935-8015 Jeff Hicks

HUMBOLDT

 Arcata High School

 1720 M Street

 Arcata, CA 95521

 Phone: 707-822-1731

 Fax: 707-822-1734

 Louis Armin-Hoiland

Fortuna Union High School 379 12th Street Fortuna, CA 95540 Phone: 916-725-4461 x 65 Pam Halstead

Mattole Restoration Council P.O. Box 160 Petrolia, CA 95558 Phone: 707-629-3514 Fax: Same - Call First

 Redwood Community Action Agency

 904 G Street

 Eureka, CA 95501

 Phone:
 707-269-2066

 Fax:
 707-445-0884

 Ruth Blyther

KERN

KERN River Parkway Foundation 6600 Desmond Court Bakersfield, CA 92678 Phone: 805-399-9672 Fax: 805-327-8877 Rich O'Neil

The Nature Conservancy, Kern River Preserve P.O. Box 1662 Weldon, CA 93283 Phone: 619-378-2531 Fax: 619-378-3881 Reed Tolletson

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Lassen High School 1110 Main Street Susanville, CA 96130 Phone: 916-251-1107 Jim Reichle

LOS ANGELES

Ballona Lagoon Marine Preserve10822 Oregon AvenueCulver City, CA 90232Phone: 310-836-2029Fax: 310-559-3085Richard S. Hibbs

Cabrillo Marine Aquarium 3720 Stephen White Drive San Pedro, CA 90731 Phone: 310-548-7563 Fax: 310-548-2649 Steve Vogel

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2701 Ocean Park Avenue, Suite #150 Santa Monica, CA 90405 Phone: 310-581-4188 x121 Fax: 310-581-4195 *Lisa Dobbins*

Santa Monica Baykeeper P.O. Box 10096 Marina Del Rey, CA 90295 Phone: 310-305-9645 Fax: 310-305-7985 Kris Haddad

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 Friends of Corte Madera Creek Watershed

 P.O. Box 415

 Larkspur, CA 94977

 Phone: 415-454-8608

 Fax:
 415-454-1749

 Carol D'Alessio & Barbara Salzman

Mill Valley Watershed Project 10 Cypress Drive Fairfax, CA 94930 Phone: 415-457-2434 Fax: Same - Call First Andi Peri

MENDOCINO

Friends of Fort BraggP.O. Box 198Fort Bragg, CA 95437Phone: 707-961-1953Fax: 707-961-0453Ron Guenther / Roanne Withers

 Friends of the Garcia River

 P.O. Box 916

 Point Arena, CA 95468

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 Fax: 707-882-3086





University of California, Angelo Reserve 42101 Wilderness Lodge Road Branscomb, CA 95417 Phone: 707-984-6653 Peter Steel

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Greenville/Quincy High School Conservation Class P.O. Box 226 Taylorsville, CA 95983 Phone: 916-284-7277 Fax: 916-284-7056 Michael C. Kossow

U.C. Cooperative Extension, Plumas-Sierra Counties 208 Fairground Road Quincy, CA 95971 Phone: 916-283-6270 Fax: 916-283-4210 Michael DeLasaux

SACRAMENTO

The Nature Conservancy - Cosumnes River Preserve 13501 Franklin Blvd. Galt, CA 95632 Phone: 916-684-4012 *Rich Reiner*

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SAN LUIS OBISPO

4-H Watershed Project 2156 Sierra Way, Suite C San Luis Obispo, CA 93401 Phone: 805-781-5940 Fax: 805-781-4316 Judy Neuhauser

Central Coast Salmon Enhancement, Inc.

P.O. Box 277 Avila Beach, CA 93424 Phone: 805-773-6769 Fax: 805-773-6942 Paul Cleveland

Friends of the Estuary P.O. Box 1375 Morro Bay, CA 93442 Phone: 805-528-4691 Ellen Perryess

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The Carpinteria Creek Committee

P.O. Box 1128 Carpinteria, CA 93014 Phone: 805-684-7948 *Robert Hansen*

SANTA CLARA

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Citizens Committee to Complete the Refuge

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Coyote Creek Riparian Station

P.O. Box 1027 Alviso, CA 95002 Phone: 408-262-9204 Fax: 408-263-3523 Chris Fischer

San Francisco Bay Bird Observatory P.O. Box 247 Alviso, CA 95002 Phone: 408-946-6548 Fax: 408-946-9279 Janet Hanson

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of Santa Cruz County 3085 Carriker Lane, Suite B Soquel, CA 95073 Phone: 408-462-4439 Fax: 408-426-3345 Beth Dyer

The Nature School P.O. Box 7331 San Diego, CA 92167 Phone: 619-224-2003 Robert LaRosa & Gloria Garrillo

Surfrider Foundation, Santa Cruz Chapter P.O. Box 3203 Santa Cruz, CA 95063 Phone: 408-423-7667 Fax: 408-423-7612 Rob Hartzell

SHASTA

Shasta County Office of Education, Watershed Project 1644 Magnolia Avenue Redding, CA 96001-1599 Phone: 916-225-0116 Fax: 916-225-0114 David Klasson

SISKIYOU

Nature Conservancy - McCloud River PreserveP.O. Box 409McCloud, CA 96057Phone: 916-926-4386Fax: 916-926-1850Bill Meyers & Karen Bolda

SONOMA

Sonoma Ecology Center 205 First Street West Sonoma, CA 94576 Phone: 707-996-9744 Fax: 707-996-9744 *Richard Dale*





United Anglers of Casa Grande High School 333 Casa Grande Road Petaluma, CA 94954 Phone: 707-778-4703 *Tom Furrer*

TUOLUMNE

People for Healthy Forests P.O. Box 95370 Sonora, CA 3252 Phone: 209-532-2956 Fax: Same - Call First Bob Stack & Linda Conklin

тенама

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643 Blackburn Avenue Corning, CA 96021 Phone: 916-824-5411 Fax: 916-824-4980 David Tinker

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7900 Sherwood Blvd.
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Fax: 916-384-1534
Katie Robinson & Anne Bianchi

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Trinity County Resource Conservation District P.O. Box 1414 Weaverville, CA 96093 Phone: 916-623-6004 Fax: 916-623-6006 Noreen Doyas

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Friends of the Ventura River

63 South Olive Street San Buenaventura, CA 93001 Phone: 805-682-5240 Mark H. Capelli

Surfrider Foundation - Ventura County Chapter 227 Oakwood Street Ventura, CA 93003 Phone: 805-653-0654 Fax: 805-648-4663

John Florez



APPENDIX 1

February 23, 1995



Dear Volunteer Monitoring Group Leader:

Are you currently involved in a volunteer monitoring project in California? Would you like to let other monitoring groups around the State know about your program? Would you like to know about other programs in California?

If you answered YES to any of these questions, read on!

The State Water Resources Control Board in partnership with volunteer monitoring groups and other agencies is compiling a State directory of volunteer monitoring projects and creating volunteer monitoring protocols to ensure scientific validity of the information collected. Partners in this effort are the San Francisco Estuary Institute, Coyote Creek Riparian Station, The Lindsay Museum, Urban Creeks Council and the Napa County Resources Conservation District. Our goals are to provide support to those organizations just getting started, to survey the monitoring activities of groups that are already functioning, and to establish a more direct link between communities and decision-makers at the local level.

A volunteer monitor is a community member who is interested in watershed awareness and resource protection. A volunteer is trained to gather data according to accepted protocols and quality assurance checks. For example, volunteer monitoring activities might include: taking natural resource inventories (fish, plants, birds, vegetation), collecting water quality data, making visual observations, and educating the community.

Your input is very important. We would appreciate your response by **March 20, 1995** to the following address.

Gwen Starrett Division of Water Quality State Water Resources Control Board P.O. Box 944213 Sacramento, CA 94244-2130

If you are not the spokesperson for your group, please send the survey along to your coordinator. If that person is unavailable, please return this packet to us with the following information:

- Name of organization
- · Address and telephone number
- · Appropriate contact person

If you know of any other groups in your area who should be included in the survey, feel free to send them a copy or refer them to us at the number listed below.

This information will help us compile a valuable networking tool. Please don't be left out! If you have any problems completing the form or have any questions call Gwen Starrett at: (916) 657-0518 or Fax: (916) 657-2127.

Thank you for your time. I look forward to hearing from you soon!

Sincerely. wen Stawett

Gyen Starrett Nonpoint Source Unit Division of Water Quality

CITIZENS' MONITORING SURVEY

GENERAL INFORMATION

Name of Contact Person:	
Name of Organization:	
Address:	
City:	State: Zip:
Phone: ()	Fax: ()
County:	

1. What are your group's goals or overall mission? (Attaching your group's mission statement is sufficient) 2. Are you currently monitoring? O Yes O No When did you start monitoring? Date: 3. Were any of these issues of concern when you started monitoring? (Please check which items apply and briefly describe.) Fishery Loss/Decline O Riparian Habitat Loss 0 Aquatic Habitat Loss 0 Recreational Loss/Decline 0 Algal Growth Aesthetic Loss 0 0 0 Nutrients 0 Dairy 0 Grazing Agricultural Discharge Urban Runoff 0 Septic 0 0 Industrial Discharge 0 Municipal Discharge 0 0 Mining Construction 0 **Road Building** 0 Logging 0 Ó Other If you are not currently monitoring, do you plan to monitor in the future? 4. 0 Yes O No What do you need to start monitoring? Where are you currently monitoring? 5. Tributary to: Waterbody: 1. Tributary to: Waterbody: 2.

6. Would you be willing to provide more detailed geographic information about your monitoring stations? O Yes O No

7. What parameters are you currently monitoring?

(For each parameter, please indicate the frequency of monitoring, the number of waterbodies at which you monitor that parameter, and the number of stations per waterbody, also please include if the data analysis is performed by you or at a lab. See below for codes.)



	Frequency	Number of Waterbodies	Number of Stations	Analysis
GENERAL PARAMETERS				
Debris Cleanup				
Photo Surveys				
Pipe (outfalls) Surveys				
Watershed Mapping				
Land Use				
Water Diversions				
Stream Obstructions				
(i.e. to fish migration or flow)				
Bank Stability Evaluation				
Erosion				
Other:				
			2.4 C	
PHYSICAL PARAMETERS				
Water Temperature				
Rainfall				
Substrate Characteristics				
Secchi Transparency				
Flow				
Stream Typing				
Channel Characteristics				
(e.g. water depth)				
% Cover				
Other				
other				
CHEMICAL PARAMETERS				
pH				
Nitrogen				
Ammonia				
Phosphorus				
Dissolved Oxygen Alkalinity				
Salinity				
ΓDS				
Metals				
Frace Elements				
Organics (excluding pesticides)				
			11	
Pesticides				
rss				

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	1	Frequen	1533	Number of Vaterbodie		lumb Stati	er of ons	Ana	llysis
FLO	DRA PARAMETERS								
Rip	arian Vegetation								
Aqu	uatic Vegetation		6						
Oth	ner:				i contra				
D - I G - 0	Daily W - Weekly BW - Biweekly M - Mo Droup Analysis L - Lab Analysis	onthly BM	- Bimonthly	Q - Quarterly	S - Semia	nnual	A - Annua	I X - Other	
FA	UNA PARAMETERS								
Ma	croinvertebrates								
Fis	h								
Bir	ds								
Otł	ier:								
BA	CTERIA PARAMETERS								
Tot	al Coliform								
Fee	al Coliform								
BO	D		14101050000						
Oth	ier							1	
8.	Are you doing anything to en	nsure tha	it the da	ta collected	l are acc	O		19	valid? No
9.	Why are you doing this mo	nitoring	? Check	the first bo	x for all i	that a	pply.		
	What would you like to see	your da	ita used	for in the	future?	Check	the secon	nd box for al	that apply.
0	O Stormwater Permit	0 0	Park M	lanagement		0	O Floo	d Control	
0	O Watershed Planning	0	Local C	ìovt. Planni	ng	0	O Enfo	rcement	
0	O Local Decision Making	0) Legisla	tion		0	O Loca	l Ordinan	ces
0	O Resource planning	0 0	Educat	ion		0	O Rese	earch	
0	O Beneficial use assessment	0 0) Habitat	Restoration	n	0	O Prob	lem ID	
0	O Baseline Determination	0 0	Water (Classificatio	n				
0	O 305(b) (Biennial Water Qu	ality Asse	essment	Report to E	PA)				
0	O Nonpoint Source Pollution	Assessn	nent						
0	O Other								
10	Do you have an Educationa	l Outrea	ch Prog	ram?		0	Yes	0	No
	. Do you have an Educationa ack if school children participa								
Ch		ate in you							
Ch	eck if school children participa	ate in you n.		m by monit		r wate	ershed a		
Ch	eck if school children participa	ate in you n. O Ele	ır progra	m by monit	oring, oi	r wate	ershed a	awareness	

AND ANT Y CREEA AR

11.									
	What is your a								
	What are your fu	unding sources	s: (Ch	eck & Identify)				
	O State		0	Dues	C) Federa	I	00	Corporat
	O Private Found	ation	0	Local Govt.	C) Fundra	aising	00	Other
	Do you need ad	ditional fundin	g to :	support or exp	and your cu	rrent pro	gram?		
10100									
12.	Do you share o		nforn		an ann an the state of the state				
	O Other Monitor	ring Groups		O Other Prof	essionals		O Newsle	etters:	
13.	What type of c	omputer capa	bilit	ies do you ha	ve?				
	O Modem	O Internet		OGIS	O Databa	ise	O Other		
14.	Do you carry in	isurance?					O Yes	0	No
	Do you need end	croachment/aco	cess j	permits to cond	luct your mo	nitoring?	O Yes	0	No
	Do you want assista	nce in getting info	rmatio	on regarding encro	achment/access	s permits?	O Yes	0	No
	Do you have a 1	raining Progra	m?				O Yes	0	No
	If Yes, please De	1003 1000		g Program:					
	Do you have an O Protocol O Data Collectio	12002 1200		O QAQC Plar O Data Sumr		surance,	/Quality C	ontrol)	
	O Protocol	on Sheet scription of you assisting any ment y concerns abo	gove	O Data Sumr ogram ernment agen O Advocacy O Federal Go	nary Report cies or othe Groups overnment	er organ	izations? O Local (O Other	Governr	nent
16. 17.	 Protocol Data Collection Summary Designation Is your group and an an	on Sheet scription of you assisting any ment concerns abo they? are addressed mittee consi ograms has for etween volum	gove ut wo , wha sting ormed	O Data Sumr ogram O Advocacy O Federal Go orking with gov at benefit do yo g of agency st d to improve monitoring p	mary Report cies or othe Groups overnment vernment age ou see in wor aff and repu	er organ encies? king wit resentat	izations? O Local (O Other O Yes h governm tives of va anageme irce mana	Governr O nent age oluntee nt by ngers.	No encies?
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19. Would you like help from the Steering Committee?

O No

O Yes

ADDITIONAL INFORMATION:

Thank you for taking the time to fill out our survey.

Please Return this survey to:

Gwen Starrett Volunteer Monitoring Coordinator Division of Water Quality State Water Resources Control Board P.O. Box 944213 Sacramento, CA 94244-2130



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Mission Statement:

Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

Prepared by:

Gwen Starrett Delia Lopez

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Recycled Paper

STATE WATER RESOURCES CONTROL BOARD

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Legislative and Public Affairs: (916) 657-1247 Water Quality Information: (916) 657-0687

CALIFORNIA REGIONAL WATER QUALITY **CONTROL BOARDS**

SISKIYOU

SHASTA

PLUMAS

TEHAMA

1

BOLDT

NORTH COAST REGION (1) 5550 Skylane Blvd., Ste. A Santa Rosa, CA 95403 (707) 576-2220

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CENTRAL COAST REGION (3) 81 Higuera Street, Ste. 200 San Luis Obispo, CA 93401-5427 (805) 549-3147

LOS ANGELES REGION (4) 101 Centre Plaza Drive Monterey Park, CA 91754-2156 (213) 266-7500

CENTRAL VALLEY REGION (5) 3443 Routier Road, Suite A Sacramento, CA 95827-3098 (916) 255-3000

Clean Water Programs Information: (916) 227-4400 Water Rights Information: (916) 657-2170

> **FRESNO BRANCH OFFICE** 3614 East Ashlan Avenue Fresno, CA 93726 (209) 445-5116

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LAHONTAN REGION (6) 2501 South Lake Tahoe Blvd. South Lake Tahoe, CA 96150 (916) 542-5400

VICTORVILLE BRANCH OFFICE 15428 Civic Drive, Ste, 100 Victorville, CA 92392-2383 (760) 241-6583

COLORADO RIVER BASIN REGION (7) 73-720 Fred Waring Dr., Ste. 100 Palm Desert, CA 92260 (760) 346-7491

SANTA ANA REGION (8)

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SAN DIEGO REGION (9)

9771 Clairemont Mesa Blvd., Ste. A San Diego, CA 92124 (619) 467-2952







 \odot

tant because it: and rivers. Volunteer monitoring is importeer monitor of your area's creeks, streams about your watershed by becoming a volun-Board (SWRCB) encourages you to learn State Water Resources Control the watershed they live in. The ll Californians should learn about



- Educates the community in water quality, aquatic resources, and pollution prevention.
- Provides information to:
- 5 Assess effectiveness of pollution prevention measures
- 5 Establish baseline water quality or biological resource information,
- 5 Establish trends in water quality or aquatic resources.
- 5 Assess effectiveness of enhancement and restoration projects, and
- ٢ Identify pollution sources and illegal spills

Monitoring? What is Volunteer

birds, or making visual observations of stream quality data, evaluating fish habitat, counting activities might include collecting water watershed protection. Volunteer monitoring those community volunteers interested in It is the monitoring of the environment by better protect California's waters. by the community and resource managers to health. Monitoring information can be used

Who can be involved?

uting: a willingness to learn and perform simple can support volunteer monitoring by contrib monitoring techniques. You or your business need is a desire to protect your watershed and Volunteers come from all walks of life. All you



- Funding, or
- · In-kind services, such as:
- 5 Training
- 5 Data management, or
- 5 Lab analysis

in Volunteer Monitoring... The Water Boards' Role

monitoring. Their activities include: California are actively involved in volunteer Quality Control Boards located throughout The SWRCB and many of the Regional Water

- Technical Assistance
- Development of 5 Protocols
- Monitoring Designs
- Quality Assurance Plans
- Training Sessions
- Conferences.

For the Future ...

to assist volunteer monitoring programs. We will also take a lead role in providing tech among volunteers, State, and local agencies exchange among volunteer programs and encouraging cooperation and information quality data. The SWRCB will also continue volunteers, including guidance on assuring continue developing technical tools for In the coming years, the SWRCB plans to nical, financial, and organizational frameworks

> For more information on monitoring activities, SWRCB's volunteer

Gwen Starrett

contact:

Sacramento, CA 94244-2130 P.O. Box 944213 State Water Resources Control Board Volunteer Monitoring Coordinator Division of Water Quality ANNUMITY CREEK





Fran Vitulli Tel: (916) 657-1247 Office of Legislative & Public Affairs

Monitoring Materials: SWRCB Volunteer

- State Directory of Volunteer throughout California on 50 volunteer monitoring programs June 1997. Contains information Monitoring Organizations.
- The Developing Relationship between Public Agencies and of agencies and volunteer on a San Francisco Bay Area survey January 1996. An issue paper based Volunteer Groups.
- September 1996. Contains the basics Riparian Station How-to Manual. monitoring program. needed to start a volunteer

monitoring groups.

 Volunteer Monitoring Protocols. streams, and watersheds. January 1997. A reference guide tor monitoring California's rivers