



County of Santa Cruz 543

PLANNING DEPARTMENT

701 OCEAN STREET, SUITE 400, SANTA CRUZ, CA 960604073

(831) 4642680 FAX: (831) 464-2131 TDD: (831) 4642123

ALVIN D. JAMES, DIRECTOR

April 29, 1999

Agenda: May 18th, 1999

Board of Supervisors
County of Santa Cruz
701 Ocean Street
Santa Cruz, California 95060

APPROVE EXPENDITURE OF \$8,650 FROM COUNTY FISH AND GAME ADVISORY COMMISSION BUDGET TO FUND VARIOUS PROJECTS.

Members of the Board:

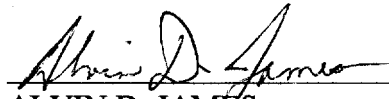
On April 1, 1998 the County Fish and Game Advisory Commission recommended approval for grant funding in the amount of \$8,150 for five projects as follows:

1. **CalTIP**, \$800. This donation to **CalTIP** will be used to help continue the support of this program which encourages citizens to turn in Fish and Game violators.
2. Native Animal Rescue, \$850. This donation will be used to fund a **raccoon** roundworm study within Santa Cruz County.
3. Native Animal Rescue, \$1,000. This donation is to help Native Animal Rescue with their wildlife outreach project for student and teachers, kindergarten to 8th grade.
4. Arana Gulch Watershed Alliance, \$500. This donation is for an interpretive display along Arana Creek Adjacent to Harbor High School.
5. Fishermen's Alliance Monterey Bay Chapter, \$5,000. This donation will help support the second year of study regarding sea mammal interactions with sport and commercial fisheries on the Monterey Bay, and sea **mammal/salmonid** interactions.

Additionally, at the Commissions February 4th, 1999 meeting the commission voted to support the **Salmonid** Restoration Federation Conference to be held in Brookdale, in February of 1999, with a donation of \$500.

It is, therefore, RECOMMENDED that your Board:

1. Approve the Fish and Game Advisory Commission's recommendations for donations and authorize the Auditor-Controller to disburse the funds.


ALVIN D. JAMES
Planning Director

RECOMMENDED:


SUSAN A. MAURIELLO
County Administrative Officer

Attachments:

- 1.) Minutes of March 4th, 1999, Fish and Game Commission meeting.
- 2.) Grant requests.

 PLANNING DEPARTMENT

GOVERNMENTAL CENTER



 COUNTY OF SANTA CRUZ

 701 OCEAN STREET, ROOM 400, SANTA CRUZ, CALIFORNIA 95060
 (831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123

FISH AND GAME ADVISORY COMMISSION

MINUTES

Santa Cruz County Governmental Center
 Planning Department Conference Room
 Santa Cruz, CA 95060

March 4, 1999
 7:00 P.M.

1. CALL TO ORDER : 7:05 P.M
2. ROLL CALL
 - A. Present: Smith, Gallagher. McCrary, Murphy. Frediani, Ritchey
 North, Estrada
 - Excused: Peterson, Lease
3. GUESTS
 Larry Wolf MBSTP, Jack Harrell MBSTP. Jeanne Smith. Jack Hawkes NAR,
 Rich Huighitt FAC. Russ Colwell FAC.
4. APPROVAL OF MINUTES
 minutes approved as written
5. ADDITIONS AND DELETIONS TO AGENDA
 none
6. OLD BUSINESS
 - A. The Commission discussed and selected grant proposals for funding from the annual grant cycle. The following grants received funding: 1) CalTIP, \$8 00 for anti-poaching/pollution tip line; 2) Native Animal Rescue, \$850 for racoon roundworm study; 3) Native Animal Rescue \$1000 for wildlife outreach project, 4) Arana Gulch Watershed Alliance \$500 for an interpretive display; and Fishermen's Alliance, 5) \$5000 for the continuation of a sea mammal/fisheries interaction study. All proposals were approved unanimously except for proposal #3 in which Commissioner Ritchey voted no.
7. NEW BUSINESS
 none

8. COMMISSIONERS REPORTS
none

9. ADJOURNMENT: 9:45 p.m.

Mao Baldzikowski

MATT BALDZIKOWSKI
Administrative Staff
(408) 454-3165

FGMIN

SANTA CRUZ COUNTY

FISH AND GAME ADVISORY COMMISSION FUNDING REQUEST

I. ***Name of Group:*** California Department of Fish and Game CalTIP Program

II. ***Amount of Funding Requested:*** \$800.00

III. ***Name, Address and Phone Number of Contact Person:***

John R. Robinson, 182 Compass Ct. Boulder Creek, CA. 95006
(831)-338-2313

IV. ***Description of Proposed Project***

CalTIP or "Californians Turn In Poachers" encourages citizens to turn in environmental and fish and game violators by calling a 24 hour a day, 7 day a week telephone hotline. Calls are immediately referred to local enforcement agencies and/or local wardens. The program offers anonymous rewards of up to \$1,000.00 for tips which lead to a citation or arrest.

CalTIP is a nonprofit organization? sponsored but not funded by the California Department of Fish and Game. It is supported by outside funding and private donations. CalTIP has a five member volunteer citizens review board .

V. ***Objective:***

The objective of CalTIP is to substantially reduce poaching and polluting in California.

VI. ***Background and History of Your Organization:***

The CalTIP program was developed in 1981 in response to growing concern by the Department of Fish and Game and the general public about the problem of poaching, polluting and wildlife crime in California. The Department recognized the fact that fewer than 350 game wardens can not adequately patrol 145,000 square miles of terrain , 1100 miles of coastline, 30,000 miles of rivers and 4,800 lakes. They needed the public's help. They needed the public to be their eyes and ears. The program was set up along the same lines as most other state wildlife agency hotlines.

Since 1981, CalTIP has rewarded more than \$135,000.00 . Most cases involved the illegal taking of game animals and fish.

VII. *How will project be accomplished ?*

1. A citizen witnesses a Fish and Game violation or act of polluting.
2. He/She calls 1-888-DFG-CALTIP. (24 hour a day, 7 days a week)
3. A report is taken by a dispatcher.
4. The report is relayed to the local warden in the area of the state where the alleged violation took place.
5. A warden investigates the report and depending on the circumstances, may either issue a warning, write a citation or make an arrest.
6. If the citizen caller's information leads to a citation or at-rest: the caller is entitled to a cash reward.
7. The S-member Citizen's Review Board determines if a reward will be paid and for how much.
8. The CalTIP Citizen's Review Board administers the reward not the DFG.

VIII. *Budget to include the precise use of Grant monies:*

All \$800.00 will go for reward payments. The money will be given to the CalTIP Citizen's Review Board to administer the money as a reward for citizens who report Fish and Game violations and/or polluting activities which lead to an arrest.

1999 CALTIP GRANT APPLICATION

DATE: 12i2.98

TO: Santa Cruz County Fish & Game Advisory Commission

FROM: Santa Cruz County CalTIP Coordinator, John Robinson

The following information has been enclosed:

1. 1998 CalTIP promotions and activities in Santa Cruz County by John Robinson
2. State wide CalTIP statistic's 7/1/97 - 6/30/98 "Annual report",
3. 1999 grant request application

**PROJECTS COMPLETED 1998 1QT, JOHN ROBINSON SANTA CRUZ
CALTIP**

(12/13/97)----- Caltip video presentation " Hunters Education "

1/26/98 ----- Prepared the 1998 CalTip grant application to Santa Cruz Co F&G
Commission.

1/31/98-----Ride along with Warden Sutton, San Lorenzo River / north coast,

2/ 5/98 ----- Drafted letter to Liz Love Of the Monterey Bay National Marine
Sanctuary to advise and suggest the need for a CalTip promotion
in there news letter.

2/14/98-----Caltip video presentation " Hunters Education" sold 2 hats.

4/13/98-----Santa Cruz Co F&G Commission approved my Caltip grant
application of \$800.00.

**PROJECTS COMPLETED 1998 2QT, JOHN ROBINSON SANTA CRUZ
CXL TIP**

4/11/98-----CalTip presentation " Hunters Education ".

4/25/98-----CalTip information and table set up at the annual Youth Camp Evers
fishing derby in Scotts Valley. With warden John Sutton.
Sold 3 hats & 2 logos.

6/13/98-----CalTip Presentation " Hunter Education " Sold one hat.
Distributed CalTip materials at Loch Lomond Lake & Recreation.

8/8/98-----CalTip presentation " Hunter Education " Sold one hat.

**PROJECTS COMPLETED 1998 4TH QT, JOHN ROBINSON SANTA CRUZ
CALTIP**

9/19/98----CalTip table & display at the 3rd annual shark festival and Monterey Bay sanctuary celebration on the Santa Cruz wharf with assistance from warden Carmel B. Carmel's help was greatly appreciated and very much needed. Sold 3 hats & distributed many CalTip promotions ect.

10/10/98---CalTip presentation " Hunter Education " Sold 4 hats.

12/2/98---- Prepared 1999 grant application to the Santa Cruz Co F & G Advisory Commission.

SANTA CRUZ COUNTY
FISH AND GAME ADVISORY COMMISSION FUNDING REQUEST

I. Name of Group/Individual:

Native Animal Rescue of Santa Cruz (NAR)

II. Amount of Funding Requested:

\$1150

III. Name, Address and Phone Numbers of Contact Person:

Rob Stevens, 308 Arthur Ave., Aptos, CA 95003-5202
(83 1) 688-9722

***IV. Description of Proposed Project:**

Purchase of a microscope and related supplies.

***V. Objective:**

1. Screen rehabbed animals for "raccoon roundworm" thus improving volunteer safety.
2. Monitor wildlife diseases
3. Improve diagnosis of the sick and injured wildlife we treat.

"VI. Background and History of your organization, and or of the problem

NAR was founded in 1982 and is an incorporated 501(c)(3) charity whose mission is the rescue treatment, and rehabilitation of injured orphaned and diseased wildlife. NAR is permitted by the Dept. of Fish & Game, and by the US Dept of the Interior.

"VII. How will project be accomplished (design specs/plans if applicable).

All the raccoons that NAR rehabilitates will be screened for roundworms, and this and any other data collected will be recorded into a database of wildlife diseases. The microscope and supplies will be a tool in the diagnosis of other disorders in wildlife presented to us.

***VIII. Budget to include the precise use of Grant monies**

Binocular Laboratory Microscope	\$850
Hemacytometer	\$75
Refractometer	\$100
Immersion oil, cleaning materials	\$30
Diagnostic stains, fecal cups, misc.	\$95

Total Cost	\$1150
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*Give a brief description under each section and use additional sheets to -fully explain your proposed project

OH/kh

FGFNDREQ

IV. Description of Proposed Project

We are requesting funding to purchase a microscope and related supplies. We will use this tool to accomplish three related objectives: to protect our volunteers, gather information about wildlife diseases, and improve our ability to treat animals presented to us for rehabilitation.

1. Raccoon roundworm, or *Baylisascaris Procyonidae*, has been in the news recently following a serious case of infestation in a small boy in Pacific Grove. This parasite, while it does not harm the raccoon, its primary host, can cause blindness and serious neurological damage in humans and other mammals. In order to protect the safety of our volunteers we intend to institute a program to screen all the raccoons we rehabilitate (currently about 50 a year) for the parasite, both upon intake and periodically. In addition to increasing safety, this will also increase our knowledge about rates of parasitization in local raccoons, effectiveness of anti-helminthics, rates of reinfestation, etc. This increased knowledge will help us better educate the public about the parasite.

As the recent concern over raccoon roundworm in Pacific Grove demonstrates, the public is extremely concerned about wildlife diseases. As rehabbers, we often see evidence of diseases in wildlife before anyone else

2. Santa Cruz County has been experiencing an epizootic of canine distemper among raccoons, skunks and grey foxes for several years. Unfortunately, state resources are limited, especially for diseases which impact common species. In fact, it was only recently that the Wildlife Investigation Laboratory confirmed that the disease was in fact canine distemper. But diseases may spread to other species; canine distemper is transmissible to domestic animals, and may pose a significant threat to the already embattled southern sea otter population. A microscope will allow us to study this and other diseases.

3. a microscope will allow us to treat the animals we see more humanely. Our veterinary resources are not sufficient to do routine lab work on the animals the public brings to us to rehabilitate, and it is far too expensive to send it out to a commercial lab. The materials we have requested will allow us to improve substantially our treatment of these animals by performing cell counts and bacterial examinations, examinations for parasites, evaluation of hydration and nutritional status, and so on in-house. We can then bring this information to our veterinarians, who will be better able to prescribe treatment.

V. Objective

As previously described

VI. Background and History of NAR

NAR rehabilitates a variety creatures, ranging from songbirds to raccoons – in 1998 we treated about 2000 animals and birds and responded to more than 5000 calls from members of the public. NAR does not have a central rehabilitation facility, but coordinates the activities of a dozen experienced rehabbers working from their homes, and supported by another 40 or so volunteers. We have two part time employees: a wildlife care supervisor, and a program coordinator. Our main interface to the public is through a wildlife hotline which is answered seven days a week by volunteer dispatchers. We maintain a small business office in Santa Cruz, where we conduct training classes for new and existing volunteers once a month. Our budget in 1998 was \$43000, all but \$2000 of which was raised through public donation.

VII. How will the project be accomplished

As previously described

VIII. Budget

As previously described

SANTACRUZCOUNTY
FISH AND GAME ADVISORY COMMISSION FUNDING REQUEST

I. Name of Group/Individual:

Native Animal Rescue of Santa Cruz (NAR)

II. Amount of Funding Requested:

\$1000

III. Name, Address and Phone Numbers of Contact Person:

Pam Shima, 111 Whispering Pines Ct, Scotts Valley, 95066-4435
(83 1) 438-293 1

***IV. Description of Proposed Project:**

To create a permanent resource that will support an out-reach program for schools, designed for children between kindergarten and eighth grade: a slide show, video of about 10 minutes, and handouts for teachers and students

***V. Objective:**

To describe the native wildlife of Santa Cruz County, the work that NAR does in wildlife rehabilitation, and to explain what should be done when injured or orphaned animals and birds are found. The aim is to make one such school visit per week..

“VI. Background and History of your organization, and or of the problem

NAR was founded in 1982 and is an incorporated 501(c)(3) charity whose mission is the rescue treatment, and rehabilitation of injured orphaned and diseased wildlife. NAR is permitted by the Dept. of Fish & Game, and by the US Dept of the Interior.

***VII. How will project be accomplished (design specs/plans if applicable),**

NAR will train a cadre of volunteers to give school presentations. The trainers are three persons: a teacher, and two long term volunteers with significant experience in making school visits.

***VIII. Budget to include the precise use of Grant monies**

Slide Projector Purchase	\$350
Photography & Slide duplication	\$100
Bookmark handouts for children	\$200
Video Editing	\$285
Video tape & dubbing	\$65

Total Cost	\$1000
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*Give a brief description under each section and use additional sheets to -fully explain your proposed project

OH/kh
FGFNDREQ

IV. Description of Proposed Project

As part of its mission Native Animal Rescue is dedicated to the education of the public about wildlife. Ever since it was founded, NAR has operated a school visit program. These have usually been visits with an educational animal or animals, which NAR is allowed to have under its MOU with Fish & Game. However, NAR does not currently have any educational animals, and this has precluded school visits under the old format. Furthermore, we would like to visit one school a week, each visit might last two or three hours, and is desirable not to subject educational animals to the stress of this amount of exposure. Therefore, we would like to have the ability to make an interesting program with a photographic show and a video which would capture the children's interest in the same way that live animals do. We would use the grant to create these resources, and purchase the projection equipment. We would also like to give each child a small gift of a bookmark, which would publicise NAR and would have some tips on what the child should do on finding an injured animal.

V. Objective

Most generally it is to teach children to love and respect the local wildlife, and to inspire a sense of awe and wonder about the natural environment. More specifically we want to prevent injury to both, wildlife and children, to explain the goal of wildlife rehabilitation. Especially NAR seeks to avoid unnecessary rescue of fledgling songbirds, and fawns, and to be sure that children do not attempt rescue of potentially hazardous mammals.

VI. Background and History of NAR

NAR rehabilitates a variety of creatures, ranging from songbirds to raccoons – in 1998 we treated about 2000 animals and birds and responded to more than 5000 calls from members of the public. NAR does not have a central rehabilitation facility, but coordinates the activities of a dozen experienced rehabbers working from their homes, and supported by another 40 or so volunteers. We have two part time employees: a wildlife care supervisor, and a program coordinator. Our main interface to the public is through a wildlife hotline which is answered seven days a week by volunteer dispatchers. We maintain a small business office in Santa Cruz, where we conduct training classes for new and existing volunteers once a month. Our budget in 1998 was \$43000, all but \$2000 of which was raised through public donation.

VII. How will the project be accomplished

NAR will train a cadre of people to give these presentations. Currently we have three volunteers with experience in giving school presentations, and we would like to train two more. Trial presentations will be given first at Soquel Elementary School where a NAR Board Member, Pam Shima, is a teacher. This will allow us to monitor new trainees, and make changes to the program if such are needed to make an more entertaining spectacle, and to get more enthusiasm from the children.

VIII. Budget

NAR already possesses a significant library of photographs. These are mainly prints which have to be converted to slides at a cost of \$8/slide. The original video footage will be shot free of charge. An estimated three hours of editing is needed at a cost of \$95/hour. Tape and dubbing of 4 copies will cost another forty five to sixty five dollars. Almost all school classrooms now have their own VCR and TV, and projection screens, so there is no need for NAR to supply these items.

Each student will receive a decorative bookmark, which will be a recurring cost. The estimated cost given is to cover initial design costs, with any residual amount to be used towards the first year's stock..



Arana Gulch Watershed Alliance
224 Walnut Ave. Santa Cruz, CA 95060 (831) 457-8132

January 21, 1999

Santa Cruz County Fish and Game Advisory Commission
c/o Matt Baldzikowski, Planning Department
701 Ocean St. Room 406B
Santa Cruz, CA 95060

SUBJECT: Grant Funding

**FOR: Enhancement Plan for the Protection and Restoration
of Fish and Wildlife Habitats throughout the
Arana Gulch Watershed**

TO WHOM IT MAY CONCERN:

The Arana Gulch Watershed Alliance (AGWA), respectfully submits the above named project proposal for office equipment and project signage.

AGWA is a local watershed group working collaboration with consultants and agencies to protect and enhance habitat and natural resources throughout the Arana Gulch coastal watershed.

For further details and or clarification please call AGWA contact Roberta Haver (831) 423-7563.

Santa Cruz County
Fish and Game Advisory Commission Funding Request

I. Name of Group / Individual:

Arana Gulch Watershed Alliance (AGWA)

II. Amount of Funding Requested:

\$1,500

III. Name, Address and Phone Numbers of Contact Person:

Robert J. Haver, 2395 Delaware Avenue, #24, Santa Cruz, CA 95060

*IV. Description of Proposed Project:

This proposal consists of a \$1,500 funding request to use toward the purchase of a computer and scanner for the office of AGWA (Arana Gulch Watershed Alliance), and for creation of a sign to be installed at the Harbor High School creekside restoration site. This computer equipment is needed to facilitate the planning, development, and writing of a comprehensive resource management enhancement plan for the Arana Gulch watershed, and to continue community education and outreach.

*V. Objective:

Develop an enhancement plan that will provide AGWA with a product that can be used to strategically implement restoration projects in specific areas of the watershed.

*VI. Background and history of your organization, and/or of the problem:

AGWA is a local watershed organization using the Coordinated Resource Management and Planning (CRMP) process. AGWA is planning to develop an integrated project and restoration enhancement plan for the management of the watershed's fish and wildlife habitats.

*VII. How will project be accomplished (design specs/plans, if applicable):

Through the coordinator's efforts described in the coordinator's "Scope of Work."

*VIII. Budget to include the precise use of grant monies:

See "Arana Gulch Watershed Enhancement Plan *Estimated Budget*."

* Give a brief description under each section and use additional sheets to fully explain your proposed project.

IV. Description Of Proposed Project:

This proposal consists of a \$1,500 **funding** request to put towards the purchase of a computer, and scanner for the office of AGWA (Arana Gulch Watershed Alliance) and for a sign to be made and installed at Harbor High School creekside restoration site. The equipment is needed in the planning, developing and writing of a comprehensive resource management enhancement plan for the Arana Gulch Watershed and for the continuing community education, outreach and involvement in the Arana Gulch Watershed Alliance. The sign will acknowledge the restoration project and the participants involved in the project and provide outreach to the public about AGWA.

Proposal Description

Long-term enhancement activities will occur in three possible phases. Phase One which will be two years in duration. Phase Two which will last for ten years will be the implementation and evaluation of activities identified in Phase One. Funding for Phase Two activities will be sought near the end of Phase One. Phase Three will consist of an additional ten years of project impact evaluations and other possible activities.

The Enhancement Plan will focus exclusively on fish and wildlife habitat protection and restoration. The Plan document will consist of the following three major sections:

- 1) A Watershed Assessment which will identify major watershed problems,
- 2) Proposed Activities which will be evaluated and prioritized, and
- 3) A Project Implementation, Monitoring, and Evaluation Plan which will include ten years of activities.

The Arana Gulch Watershed Assessment will be developed by strictly adhering to the guidelines and protocols of the *California Salmonid Stream Habitat Restoration Manual*, Third Edition, 1998. The problems identified by this assessment will be limited to fish and wildlife habitat enhancements and will be prioritized according to criteria to be developed by both cost and impact considerations. Each proposed Phase Two activity will address an identified high priority problem and will have a stated purpose, cost and duration and, when appropriate, will employ biological engineering techniques. These activities will be limited to available funding and are expected to require less than twenty-four months to implement. Some of these activities may consist of workshops, training seminars, and other public education outreach efforts. Following activity implementation, the impacts of each activity will be monitored and evaluated for a period up to five years which is to ensure that desired results have been achieved. Due to time constraints, some activity impact evaluations may not be completed under Phase Two but will be under Phase Three.

Sediment management in the Arana Gulch Watershed is badly needed to restore and improve water quality for steelhead spawning. The Phase Two activities will include **instream** and riparian habitat restoration elements. A major focus will be on **upslope** conditions beyond the riparian area and will follow Fish and Game Watershed Planning Project Guidelines.

The enhancement plan will depend on community input and participation including the ongoing steering committee meetings, public meetings, and special project sub-committee meetings that will continue throughout the planning process. The AGWA coordinator will work closely with Fish and Game to assure prescribed protocols are followed.

Public meetings have helped build collaboration and construct an effective resource management program for the Arana Gulch Watershed. There are approximately twenty-five major landowners and professionals whom are participating in various aspects of AGWA's work. The enhancement plan for the Arana Gulch Watershed will emphasize education about steelhead habitat protection, preservation, restoration as well as about watershed resource management. The development of this plan will require studies in at least the following areas:

1. Hydrology
- 2. Physical conditions affecting aquatic habitat
3. Erosion sources
4. Linkage to ongoing state and county programs
5. Sediment transport and sedimentation
6. Means of implementing repair programs

Consultants with a long history of commitment, involvement and understanding of resource management issues in the Arana Gulch Watershed will provide technical assistance for a watershed assessment and enhancement plan. Matching funds and support will be provided by private and public businesses. The watershed assessment and a draft enhancement plan is to be developed during the first year. Through consultations with stakeholders and agency personnel, the **draft** enhancement plan will be reviewed and finalized during the second year. Implementation of restoration projects in progress will run concurrently with the development of the watershed enhancement plan.

V. Objective:

Develop an enhancement plan that will provide AGWA with a product that can be used to strategically implement restoration projects in specific areas of the watershed. The enhancement plan may serve as a template for efforts in other small watersheds. The plan will; sample the juvenile steelhead population to ascertain its current size in the Arana Gulch Watershed, evaluate habitat conditions, **identify** erosion problems, and develop baseline data.

VI. Background and History of organization, and the problem

The primary organization involved with this proposal is the Arana Gulch Watershed Alliance (AGWA). AGWA is a local watershed organization using the Coordinated Resource Management and Planning (CRMP) process. AGWA has already built collaboration among the watershed's stakeholders and has generated partnerships with community involvement. AGWA now needs an integrated project and restoration enhancement plan for the management of the watershed's fish and wildlife habitats.

Hydrology, sedimentation and water quality are among the key issues to be addressed in this project. The data will provide the information needed to develop a comprehensive protection, restoration and enhancement plan to guide the community for the next ten to twenty years.

VII. How will project be accomplished.

Through the Coordinators efforts: Coordinator's Scope of Work;

1. contract with professionals, agencies and landowners for surveys and watershed assessment to:
 - generate maps, studies on geology, topography, precipitation, soils, vegetation, human impacts, and historical stream surveys
 - identify sediment sources, hydrology, water appropriations and impoundments, other resources, management practices, zoning and other restrictions,
 - collect statistical information about water quality and fish habitat
 - *contract for the design and construction of a sign to be installed at the Harbor High School creekside restoration project
2. draft a watershed action plan
 - first year draft,
 - second year final draft
3. conduct meetings
 - regularly scheduled monthly CRMP meetings
 - quarterly public meetings
 - and special sub-committee meetings as needed
4. continue with public education and outreach efforts
 - collaborate with and share information with appropriate agencies for assistance in resolving resource concerns and issues of community members
 - Develop an AGWA web site with linkages to existing watershed and fish restoration web sites, post current and pertinent information about AGWA's activities, and water quality data, link to other local resource groups
5. facilitate ongoing restoration projects and informal planning meetings
 - completion of the creekside restoration project at Harbor High
 - organization of the sub-watershed clean up group
 - other meetings as deemed necessary

VIII Budget

Arana Gulch Watershed Enhancement Plan **ESTIMATED BUDGET**

PERSONNEL COST		(\$)	(\$)	(\$)	(\$)
Level of Staff	Number of Hours	Hourly Rate	Amount Requested	Amount of Cost share	Project Total
Watershed Coordinator	2080	20	32,000	9,600	41,600
Coordinator Benefits at 30%			12,480		12,480
RCD Consultant and fiscal agent	364	26.53	1,633	7,918	9,550
CWC Restoration/Water Monitoring Consultant			10,000		10,000
Balance Hydrologics Hydrology Consultant			27,720		27,720
D.W. Alley & Assoc. Fisheries Biologist Consultant			11,900		11,900
Web Consultant				12,000	12,000
TOTAL PERSONNEL COSTS			95,733	29,518	125,251

OPERATING EXPENSES	(\$)	(\$)	(\$)
Office rental space	*1,000	2,200	5,600
Office equipment			
Phone service	800	800	1,600
Internet server		3,600	3,600
Copy paper and duplicating	800	1,000	1,800
Camera Equipment		1,000	1,000
Film and Developing	600	200	800
Envelopes and postage	1,000	1,000	2,000
Meeting supplies	400	400	800
Use fee for meeting room facility	600	600	1,200
Transportation costs (3,000 mile \$0.3 1/mi.)	930		930
Workshop fees and expenses for Coordinator	1,000	1,000	2,000
Graphic Design (logo, Education Materials)	*2,500	2,500	5,000
Maps Graphics and Blueprinting	1,000	200	1,200
Hydrologist Consultant (Balance Hydrologics)	3,1240		3,1240
TOTAL OPERATING COST	41,870	20,100	61,970

* Funding requested in this proposal will go towards computer, scanner for AGWA office and sign for the Harbor High School Creekside Restoration Project.

885 Abrego Street
Monterey, CA 93940

564
(831) 373-3720
Fax (831) 373-8098

SANTA CRUZ COUNTY FISH AND GAME ADVISORY COMMISSION FUNDING REQUEST

I. Name of Group: Fisherman's Alliance of California

II. Amount of Funding Requested: \$10,000.00

III. Name, Address and Phone Number of Contact Personx

- a. Richard L. Hughett. 885 Abrego Street, Monterey, CA 93940
Phone: 408/373-3720 FAX: 408/373-8098
- b. Russ Colwell, P.O. Box 55, Moss Landing, CA 95039
Phone: 408/633-3359 FAX: 408/633-6279

IV. Description of Proposed Project:

The funding we are requesting will be used to complete the third year of research study of California Sea Lion interaction with our dwindling salmonoid and squid fisheries and also to study the eating habits of sea lions and harbor seals. This study is being conducted by the California State University's Moss Landing Marine Laboratories, under the direct supervision of Dr. James T. Harvey, the noted professor of marine biology from the university. Also, a second study will be conducted to focus on the socio-economic impacts caused by sea lions on our fishery, and the effects on the sport and commercial fishing and the economy as a whole. The research will be broken into phases: 1) an offshore study of sea lion/ harbor seal interaction with boat fishermen and their hooked fish and other observed interactions with resident fish populations; 2) a study of sea lion interaction with squid fishermen and the boats netting squid; 3) a study of fecal samples to determine the food source; 4) and the socio-economic study. We will also be conducting aerial surveys every month during the study period to determine the location and numbers of sea lions and harbor seals, and any population changes.

V. Objective:

This funding will help nationally-recognized marine biologists and scientists to gain knowledge about the feeding habits of sea lions and harbor seals along our **coastline**, and what effects their feeding has on the decreasing populations of our salmonoid and squid fisheries. Also, if an imbalance of nature is being created by the ever-increasing number of sea lions, in contrast to the decrease in salmonoids to the level that they are now considered endangered or threatened in many coastal areas. These studies will also help us learn how the loss of fish and fishing time is hurting our local fishing industry, and the sport and commercial fishermen who have given up fishing because of sea lion interaction, and the corresponding loss of income to the fishermen and the industry and how these events are affecting our

local economy. These findings will then be submitted to the National Marine Fisheries Service (NMFS) for review and the the U.S. Congress for this year's hearings of the status of the Marine Mammal Protection Act. It will hopefully become the foundation study that will lead to the creation of a long term population maintenance program for the California Sea Lion.

VI. Background and History of your organization, and or of the problem:

The Fishermen's Alliance of California was founded in 1995 by a group of sport and commercial fishermen who are very concerned about the over-population of California Sea Lions in Monterey Bay in and areas up and down the Pacific Coast of the United States. Our mission statement is attached. The F.A.C. is an on-going organization and our efforts continue. Since our creation we have been working the educate the public and our governmental representatives and agencies about this disastrous situation, created by a sea lion population that grows between 7% and 10% a year. Most of the natural predators that a one time kept the sea lion population at a much smaller growth rate are now gone, leaving the sea lion at the top of the food chain and creating a major problem in the balance of nature in our oceans. And, this problem does not only exist along our coastline, for sea lions have **now** expanded their area of hunting in search of food. They **now** travel miles up our coastal rivers and are also in the waterways of the Sacramento Delta. They have become more aggressive toward humans, and have become a major threat to the safety of anyone venturing out in the ocean where fishing activities occur.

VII. How will the project by accomplished?

The details for the interaction study were developed by Dr. Harvey of the Moss Landing Marine Laboratories. The plan of action and project timing are as follows:

- a) March 1999 through November 1999:
Offshore study of sea lion/ salmon interaction.
- b) April 1998 through October 1998: Offshore study
of sea lion/squid fishery interaction.
- c) March 1999 through October 1999:
Collection and analysis of fecal samples.
- d) March 1999 through November 1999:
Collection of data and development of socio-economic study.

The socio-economic study will be conducted between March 1999 and November 1999 and wil include the following plan of action:

- a) Collection and review of existing information on the economic problem and the fishery (e.g., landings, by location, volume of loss and value for the Monterey Bay area, fishing tackle prices, etc.)

FISHERMEN'S ALLIANCE OF CALIFORNIA

885 Abrego Street
Monterey, CA 93940

(831) 373 - w
Fax (831) 373-8098

January 10, 1999

Fishermen's Alliance of California 1999 Operating Budget

Income

1) Memberships	\$10,000.00
2) General Donations	15,000.00
3) Grants (Private Foundations, Fish & Game Commissions Governmental Agencies)	42,720.00
4) Merchandise Sales	3,000.00
5) Events	<u>2,000.00</u>
	\$72,700.00

Expenses

1) Interaction Study and equipment	\$36,370.00
2) Sock-Economic Study	18,000.00
3) Project Coordination	12,000.00
4) Long distance phone and FAX	1,000.00
5) Travel	1,000.00
6) Materials and Supplies	1,350.00
7) Printing	1,000.00
8) Video Production	<u>2,000.00</u>
	\$72,720.00

- b) Continued consultation with Moss Landing Marine Laboratories colleagues on the design, implementation and evaluation of their survey.
- c) Interviews with harbormasters and fishermen to gain information on the timing of fishing activities and observed trends relevant to the study.
- d) Analysis of the data collected and preparation of a report on the economic impacts concluded from the survey results and associated research, and their effect on the commercial and sport fishing industries, and the local and regional economies.

This grant will help fund the hours of actual collection of data, its analysis, compilation, supplies and the creation of the final documents. It will not include funding for housing or meals. Of course, your association will receive copies of all completed data and reports, as we know the information they will contain will benefit every organization concerned about fish and game issues.

VIII. Budget to include the precise use of grant monies. Attached is our organization's 1999 annual budget and the work budget as presented to us by Dr. James Harvey. The working budget for the socio-economic study is now being completed and will be sent to you when it is available. The amount budgeted for this phase of work is \$18,000.00.

In summary, the F.A.C. views this study as the opportunity to truly learn the impact of California Sea Lions on our dwindling salmonid populations. The grant from your association to help fund this very important study. Many local commercial fishermen fish our coastal waters and have been effected by the sea lion problem, and therefore, we hope you will approve our request. We are working with some of the finest marine biologists in the nation, and with internationally recognized, environmentally-conscious organizations, such as the Monterey Bay Aquarium and the Monterey Bay National Marine Sanctuary. This study will be presented to the National Marine Fisheries Service and the U. S. Congress, which will be conducting hearings later this year relative to updating the Marine Mammal Protection Act (MMPA), which is the controlling legislation for California Sea Lions and Pacific Harbor Seals. It will give us the strong position we need to get the federal government to act on our concerns, to make recommendations for the control of the ever-expanding California Sea Lion population along the entire coast of California, Oregon and Washington.

We appreciate your consideration of this request, and hope you will grant us the funds needed to help make these important studies a reality.

From: Dr. James T. Harvey - Moss Landing Marine Laboratories
Michael J. Weise - Moss Landing Marine Laboratories
Subject: Budget for 1999 Pinniped/Salmon Fishery Interaction Project
Date: 1/12/99

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I. **Salmon Season** (March - September)

Observation Hours - 300 hrs. @ \$12/hr. = \$3600
772 hrs. @ \$7/hr. = \$5404

March- Sport (6 hrs. - dock)
CPFV (30 hrs.-boat, 8 hrs.-dock)
April - Sport (9 hrs. - dock)
CPFV (40 hrs. - boat, 19 hrs.-dock)
May - Sport (9 hrs. - dock)
CPFV (40 hrs. - boat, 19 hrs. -dock)
Commerical (120 hrs.-boat, 56 hrs.-dock)
June - Sport (9 hrs. - dock)
CPFV (40 hrs.- boat, 19 hrs-dock)
Commerical (60 hrs.-boat, 28 hrs -dock)
July - Spon (9 hrs. - dock)
CPFV (40 hrs. - boat, 19 hrs.-dock)
Commerical (120 hrs.-boat, 56 hrs.-dock)
Aug.- Sport (9 hrs. - dock)
CPFV (40 hrs. - boat, 19 hrs.-dock)
Commerical (120 hrs-boat, 56 hrs.-dock)
Sept. - sport (9 hrs. - dock)
CPFV (40 hrs.- boat, 19 hrs-dock)
Commerical (48 hrs-boat, 56 hrs-dock)

Scat Collection and Hard Part Identification- 50 hrs./month @ \$7/hr. = \$2450
50 hrs./month @ \$12/hr. = \$4200
Supplies (Gloves, bags, etc.) = \$ 100
Data Analysis - 40 hrs./ month @ \$12/hr. = \$3360
Subtotal = \$19,114

San Jose State University Foundation Budget Summary

Salaries - 930 hrs. @ \$12/hr. = \$11160 + (\$11160*0.05) = \$11713
1122 hrs. @ \$7/hr. = \$7854 + (\$7854*0.05) = \$ 8247
Supplies - \$100 \$ 100
Total Direct Costs \$20,065
Indirect Costs - \$20,065 * 0.26 = \$5217
Total Cost \$25,282

II. Squid Season (April - October)

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Observation Hours - 483 hrs @ \$7/hr. =

\$3381

Dock - 15 days x 3hrs. = 45 hrs./month

Boat - 2 days x 12 hrs. = 24 hrs./ month

Data analysis - 20 hrs./ month @ \$12/hr. =

\$1680

* Scat collection and identification, and aerial surveys for the salmon project can be incorporated in squid fisheries analysis.

Subtotal

\$4501

San Jose State University Foundation Budget Summary

Salaries - 483 hrs. @ \$7/hr. = \$3381 + (\$3381 * 0.05) =
140 hrs. @ \$12/hr. = \$1680 + (\$1680 * 0.05) =

\$3550

\$1764

Total Direct Costs

\$5314

Indirect Costs - \$5314 x 0.26 =

\$1382

Total Cost

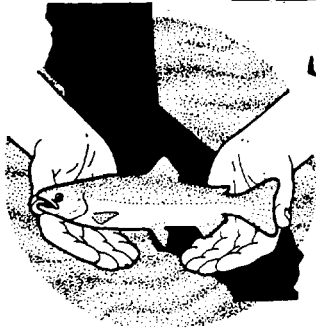
\$6496

IV. Aerial Surveys (March - September)

Salmon - 1 survey/month (Mar.-Sept.) for	3 hrs @ \$120/hr. =	\$2520
Observer Survey Hours - 3 hrs. @ \$8/hr. / month =		\$ 168
3 hrs. @ \$12/hr. / month =		\$252
Supplies (Film, Film Processing, etc.) @ \$75/mo. =		\$525
	Subtotal =	\$3365

San Jose State University Foundation Budget Summary

Salaries -	21 hrs. @ \$8/hr. = \$148 + (\$168*0.05) =	\$ 176
	21 hrs. @ \$12/hr. = \$252 + (\$252*0.05) =	\$ 265
Supplies -		\$ 525
Airplane/Pilot/Fuel =		\$2520
Total Direct Costs		\$3486
Indirect Costs - \$3486 * 0.26 =		\$ 906
Total Cost		\$4392



Salmonid Restoration Federation

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P.O. BOX 4260 • ARCATA, CALIFORNIA 95521 • (707) 444-8903

Santa Cruz County Fish and Game Advisory Commission
c/o Dave Hope, County of Santa Cruz Planning Department
701 Ocean St.
Santa Cruz, CA 95060

March 30, 1999

Dear Dave:

Many thanks to you and the Santa Cruz County Fish and Game Advisory Commission for the generous support of \$500, which helped to make the Seventeenth Annual Salmonid Restoration Conference a success.

Highlights from this year's conference include: a return to field tours of local restoration sites on Thursday and Friday, a total of six workshop, continuing of the poster session, the watershed coordinators gathering, and plenary session on federal and state permitting changes which brought together key agency officials to update restoration practitioners regarding salmonid ESA listings. The Carmel River workshop generated a lot of interest as did the economic incentives, TMDL and southern steelhead sessions, all of which led to an exciting conference.

Well Dave, we of the SRF board, are all aware the importance of contributions like yours, so thanks once again from the Salmonid Restoration Board, our Director, The Federation and myself for your part in helping to make this conference happen. We wish to express our sincerest appreciation.

Look for us March 2-5, 2000 at the River Lodge in Fortuna, CA.

Yours Truly,

Timothy Osmer
Conference Coordinator