

Santa Cruz County Fish and Game Advisory Commission
GRANT APPLICATION QUESTIONNAIRE

- I. Name of organization or individual submitting the proposal
Monarch Community School and Tierra Pacifica Charter School
- II. Project name
Watershed Education in the Classroom
- III. Amount of funding being requested from the Commission
\$1370 (\$635 to Monarch and \$735 to Tierra Pacifica)
- IV. Name, Address and Telephone Numbers of Contact Person
- | | |
|------------------------|------------------------|
| <u>Monarch</u> | <u>Tierra Pacifica</u> |
| Denise Blair | Kristen Schroeder |
| 840 N. Branciforte Dr. | 3284 Malibu Dr. |
| Santa Cruz, CA 95062 | Santa Cruz, CA 95063 |
| (831) 429-3898 | (831) 464-0590 |

For each following section, give a brief description. If necessary, use additional sheets to fully explain your proposed project.

- V. Description of the proposed project
The proposed project is to raise steelhead eggs in the classroom at two local charter schools – Monarch and Tierra Pacifica. In addition, activities from the STEP curriculum will be used in the classroom. STEP activities will teach about the biology of fish, steelhead life cycle, aquatic insects, stream habitats and migration.
- VI. Objectives and goals
The goal of the project is to educate elementary school children in the life-cycle of steelhead and salmon, habitat requirements and watershed stewardship.
- VII. Background and history of the problem
The Salmon and Trout Education Program (STEP) is a long-established and successful education program of the Monterey Bay Salmon and Trout Project. One of the most exciting parts of the STEP program is the opportunity to hatch eggs from the Big Creek hatchery to fry in the classroom and release them into the San Lorenzo watershed. Hatching the eggs requires an aquarium set-up and a special aquarium chiller to maintain cool water temperatures for steelhead. These chillers are manufactured specifically for this use.

A teacher from Monarch Community School and a parent from Tierra Pacifica completed STEP training and certification on February 12th, 2005. Both schools are enthusiastic about hatching steelhead eggs in the classroom in 2005.

SCHOOL	ITEM	Match	Request	TOTAL
Monarch	Aquarium Chiller*		\$635	\$635
	Aauarium and supplies**	\$150		\$100
	Eggs	\$10		\$10
	STEP training	\$225		\$225
	STEP activity supplies ***	\$80 and 15 parent hours		\$75
Tierra Pacifica	Aquarium Chiller		\$635	\$635
	Aauarium and supplies**	\$50	\$100	\$150
	Eggs	\$10		\$10
	STEP training	\$225		\$225
	STEP activity	\$80 and 15		\$80
TOTALS		\$830	\$1370	\$2200

* Chillers are high quality units that provide cool water for egg incubation.

* Aquarium supplies include: 15-gallonaquarium, under-gravel filter, power head pump, thermometer, dip net, turkey baster, buckets, siphon, 15 gallons of spring water, aquarium gravel and Noyo gravel.

** STEP Activity Supplies includes cardstock copying, laminating and other materials for doing the STEP activities. Parent hours include the time to prepare the materials for the STEP activities and time in the classroom assisting with the activities.

Timeline for completion

The eggs will be delivered to the classroom in mid-March. Fry are to be released within 2 weeks of emergence into the San Lorenzo watershed. Activities for the STEP curriculum will be taught over 6 weeks, from early March to late April.

X. Background or history of your organization

Monarch Community School was established 30 years ago and is part of the City of Santa Cruz School District. The school is committed to providing a developmentally appropriate learning environment in which students are "constructing" their own knowledge connected to their real lives and building upon their prior experiences.

Tierra Pacifica Charter School was founded in 1998 and is part of the Live Oak School District. The school is a collaborative effort among parents, teachers and community members committed to the development of the whole child.

NOTE If your request is approved for funding, you will be required to report back to the Commission at the end of the year or at the end of the project. Grantee must notify the Commission of the date of project Completion **and** schedule a time to make a presentation to the Commission on how the funds were expended and the success of the project.



MONTEREY BAY SALMON & TROUT PROJECT

WWW.MBSTP.ORG

MBSTP@AOL.COM

02/14/2005

SANTA CRUZ FISH & GAME COMMISSION
701 OCEAN ST. RM 400
SANTACRUZ, CA 95060

REFERENCE: 2005 GENERAL OPERATING FUNDS REQUEST

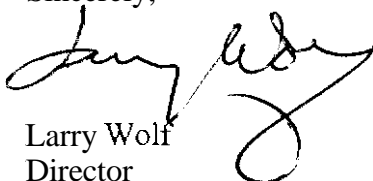
Dear Commission Members.

The Monterey Bay Salmon & Trout Project is seeking funding for the 2005 fiscal year. We are requesting general funding to pay for the fish food, medicine, power and insurance as they are needed. Our hatchery production is geared to 100,000 fish. All the fish produced will be released into streams flowing into the Monterey Bay.

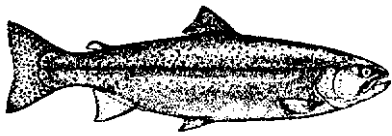
This year we have expanded our rescue efforts for Coho Salmon. Our captive brood stock Coho Salmon program should be in full gear this year. We are expecting a record return of wild and hatchery Coho Salmon. Our Steelhead restoration efforts are holding steady at approximately 55,000 fish. Our genetic protocol has been approved and implemented by NMFS. This year for the first time we received our permits by December 1, 2004.

Our general funding request for 2005 is \$5,000.00. If you need any additional information, please contact the Hatchery at 458-3095 or call me direct at 688-4257. Again, thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry Wolf". The signature is fluid and cursive, with a large loop at the end.

Larry Wolf
Director



MONTEREY BAY SALMON & TROUT PROJECT

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February 14, 2005

SANTA CRUZ FISH & GAME COMMISSION
701 OCEAN ST. RM 400
SANTA CRUZ, CA 95060

REFERENCE: 2005 KING SALMON ENHANCEMENT FUNDING

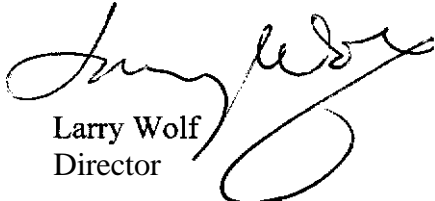
Dear Commission Members.

The Monterey Bay Salmon & Trout Project requests funding for the 2005 King Salmon Enhancement Program operated in the Santa Cruz Harbor. We request funding for the Santa Cruz County net pen operating expenses. The costs are \$4,300.00 per year. This will cover the transportation of the pens to the harbor site and a crane to place the pens in the harbor. The cost of medicine, and fish food as well as minor repairs and maintenance is included. It will also cover the removal of the net pens with a crane and the transportation to move them back into storage.

120,000 to 180,000 King Salmon have been released from the Santa Cruz Harbor each year, for the last four years. We believe our success rate is over 10% in returning adult fish. That is 95% better than State and Federal Hatchery returns.

Our funding request for the 2005 King Salmon Enhancement Program is \$4,300.00. If you need any additional information, please contact the Hatchery at 458-3095 or call me direct at 688-4257. Again, **thank** you for your consideration of this request.

Sincerely,



Larry Wolf
Director