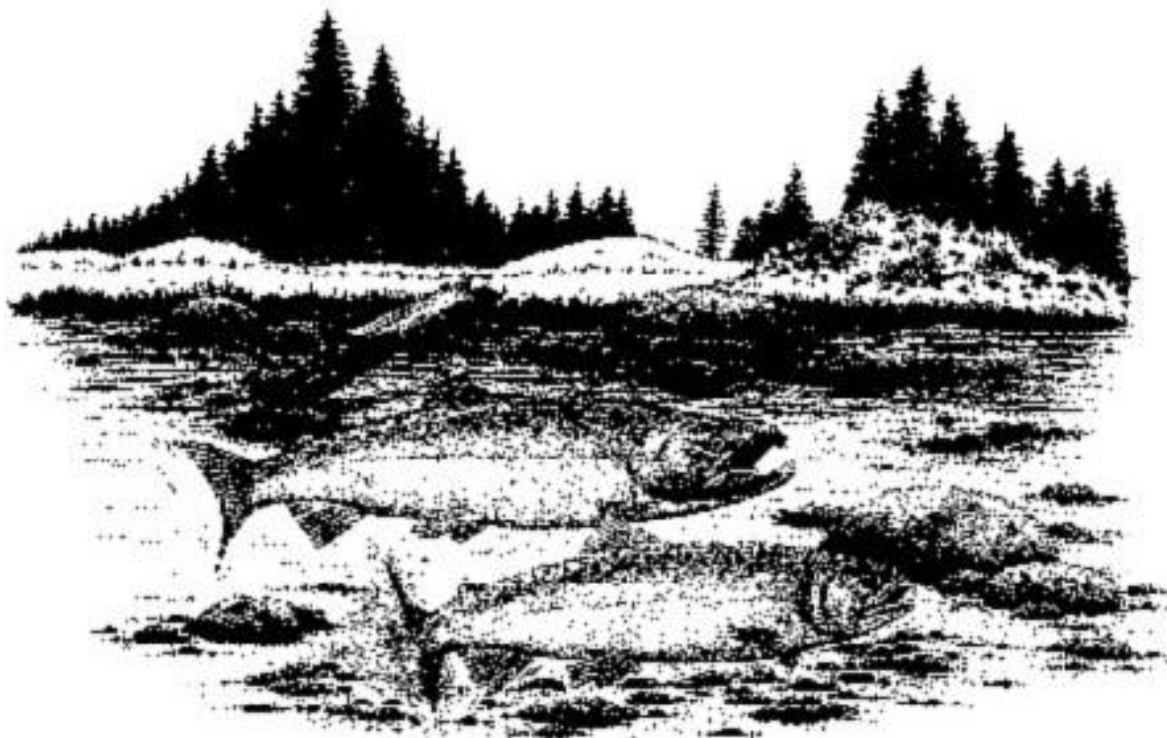

Regional Fisheries Enhancement Program Annual Report to the Legislature Fiscal Year 1997



Compiled by the
Washington Department of Fish and Wildlife
and the
Citizen Advisory Board



*Washington
Department of
**FISH AND
WILDLIFE***

**Regional Fisheries Enhancement Program
Annual Report to the Legislature
Fiscal Year 1997**

As required by RCW 75.50.050 and 75.50.120

Prepared by Adam Couto
Washington Department of Fish and Wildlife
January 1998

Executive Summary

This annual report to the Legislature has been prepared to fulfill the requirements of RCW 75.50.050 and 75.50.120. It lists all projects conducted during the fiscal period July 1, 1996 to June 30, 1997. It is not limited to projects solely funded by the Regional Fisheries Enhancement Group (RFEG) Program, but includes projects completed by the groups with outside funding (matching funds, outside donations and grants, volunteer contributions, etc.)

The RFEG Program was created in 1990 as a means of including citizens in salmon enhancement. Twelve non-profit volunteer groups and a Citizen Advisory Board were created by the Legislature to work with the Washington Department of Fish and Wildlife (WDFW) to improve salmon resources throughout the state. The program was originally supported by collection of a \$1 fee on recreational salmon licenses, a \$100 fee on commercial salmon licenses, and more recently by funds received from the sale of surplus salmon eggs and carcasses returning to state hatcheries.

Successes in Fiscal Year 97

The RFEG program was highly successful at generating private donations and contributions, involving volunteers in salmon enhancement, and completing a large number of varied projects. The RFEGs successfully raised over **\$2.8 million in contributions and donations** to supplement the \$460,306 in state funds. This is a one to six ratio of state funds to other contributions. Included in this amount were **37,155 volunteer hours (valued at \$464,438)**, contributed by RFEG members and other citizens. The twelve RFEGs completed a combined **160 salmon enhancement projects**, which accounted for an estimated **17 miles of improved salmon habitat and 4.7 million eggs or fish** incubated or reared.

Challenges in Fiscal Year 97 and Recommendations for Fiscal Year 98

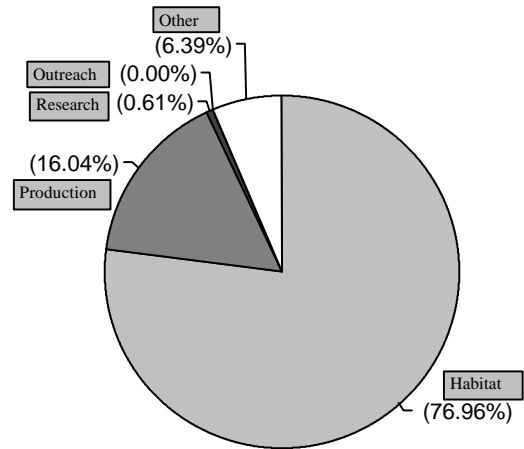
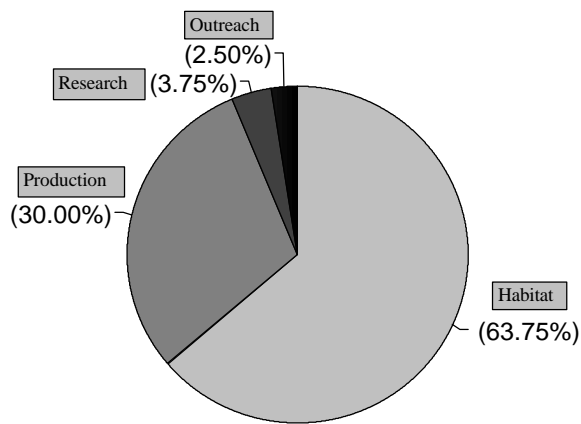
The RFEG Program faced two main challenges: insufficient funding for large and small scale salmon enhancement projects, and an increasing workload on the program's technical staff. After considering a range of options to address these challenges, the recommended solutions are an increase in funding for projects, and a concurrent staff increase of two new Volunteer Technical Specialists. If enacted, these recommendations would allow the RFEGs to expand their successful techniques to large-scale and chinook habitat projects, and would allow the program to maintain a professional level of administrative and technical support to citizen volunteers.

Funds Expended on Salmon Enhancement Projects

State Allocated Funds		\$ 460,306
Volunteer Contributions	37,155 hours @ \$12.50/hr	464,438
All Other Contributions		<u>2,352,022</u>
Subtotal of Outside Contributions		\$2,816,460
Total RFEG Expenditures in FY 97 on Salmon Enhancement Projects		\$3,276,766

Project Information by Project Types

	<u>No. of Projects</u>		<u>Expenses</u>	
Habitat Improvement	102	63.7%	\$2,521,904	76.9%
Fish Production	48	30.0%	525,487	16.1%
Research	6	3.8%	19,916	0.6%
Outreach and Education	4	2.5%	0	0%
Other*	<u>0</u>	0.0%	<u>209,399</u>	6.4%
Total	160		3,276,706	



Estimated Fish Production by Species

	Incubated (RSI, egg box, or egg tube)	Reared (All Other Production)	Total by species
Coho	1,175,600	370,000	1,545,600
Chinook	335,000	830,000	1,165,000
Chum	1,915,000		1,915,000
Summer Chum		<u>100,000</u>	<u>100,000</u>
Totals	3,425,600	1,300,000	4,725,600

Estimated Length of Stream Habitat Improved

An estimated **17 miles** of stream was livestock-fenced, revegetated, opened, or otherwise improved as fish habitat through a variety of projects.

*Other Expenses includes the following costs: office supplies, rent, utilities, staff, postage, etc.

**REGIONAL FISHERIES ENHANCEMENT PROGRAM
ANNUAL REPORT TO THE LEGISLATURE
FISCAL YEAR 1997**

This annual report to the Legislature has been prepared to fulfill the requirements of RCW 75.50.050 and 75.50.120. It lists all projects conducted during the fiscal period July 1, 1996 to June 30, 1997. It is not limited to projects solely funded by the Regional Fisheries Enhancement Group (RFEG) Program, but includes projects completed by the groups with outside funding (matching funds, outside donations and grants, volunteer contributions, etc.)

Program Overview

The RFEG Program was created in 1990 as a means of including citizens in salmon enhancement efforts. Twelve non-profit groups of volunteers were created by the Legislature to work with the Washington Department of Fish and Wildlife (WDFW) in order to improve salmon resources throughout the state. The program was originally supported by collection of a \$1 fee on recreational salmon licenses, a \$100 fee on commercial salmon licenses, and more recently by funds received from the sale of surplus salmon eggs and carcasses returning to state hatcheries.

Each RFEG oversees a specific geographic region based on watersheds. Each group is a 501 © (3) corporation with a board of directors, subcommittees, and in some cases staff positions to help with administrative operations. Within each assigned area, group members develop and propose habitat improvement, salmon production, or scientific research projects. Project proposals include a description of the project, an estimate of costs and benefits, and a time line for completion of the work. Many projects involve partnerships with tribes, sport and commercial groups, the private sector, and local, state, and federal agencies.

All project proposals are reviewed by WDFW and affected tribal staffs to ensure compatibility with current laws, WDFW policies, co-management, and other enhancement efforts conducted in a particular watershed. Project proposals are then forwarded to the RFEG program's Citizen Advisory Board (CAB) for review and funding approval. The nine-member CAB was created as part of the RFEG Program to serve as an oversight committee. Panel members are appointed by the WDFW Director to serve three-year terms.

The program is presently supported by a staff of seven employees within WDFW. This staff consists of one Resource Manager and six Volunteer Technical Specials (VTS) who provide on-site technical advice to volunteers. Although biologists by training, VTSs must assist the groups in a wide array of disciplines, including biology, hydrology, engineering, permitting issues, grant writing, volunteer management, and accounting. The VTSs are also assigned to oversee other, non-salmon volunteer projects in their assigned geographic areas.

Fiscal Year 97 in Review

The past fiscal year was one of change and growth for the RFEG program. Change came in the form of adding steelhead to the list of species the program can enhance, and an increased appreciation for fish passage issues and their impact on salmon populations. Growth continued as it has each year of the program's existence in the form of more citizen participation and an increasing need for salmon enhancement.

Successes in Fiscal Year 97

The RFEG program was highly successful in competing for federal and state grants and contracts, generating private donations and contributions, involving volunteers in salmon enhancement, and completing a large number of varied projects.

1) The RFEG Program successfully included hundreds of Washington State citizens in salmon enhancement efforts throughout the state. This year citizens contributed a combined **37,155 volunteer hours (valued at \$464,438)** to benefit salmon and salmon habitat. This level of contribution is a noteworthy indication of the importance of the salmon resource to Washington State's citizens.

2) The individual RFEGs successfully raised over **\$2.35 million in contracts, grants, and contributions** (in addition to the volunteer hours) to supplement the \$460,306 in RFEG funds they spent on salmon enhancement. A large portion of these donations came from private business interests and local community groups, yet another indication of the importance of salmon restoration to Washington citizens.

3) The RFEGs commenced or completed **102 individual habitat projects**, resulting in an estimated **17 miles** of revegetated, livestock-fenced, opened, or otherwise improved fish habitat.

4) The RFEGs also incubated or released an estimated **4.7 million eggs and/or fish**.

5) The CAB conducted a one day retreat in September, 1997. At this retreat the CAB produced a vision statement, a mission statement, and goals for the program. (Details on the retreat can be found on page 8.) This is an important new level of direction and leadership for the CAB.

Challenges in Fiscal Year 97

The RFEG program experienced two main challenges: limited funding for large and small scale projects and an overburdened support staff.

1) The average annual apportionment to each RFEG is approximately \$30,000, which the groups leverage to an average of \$200,000 with volunteer donations and outside contributions. In order to maximize the impact of their efforts, the groups have chosen to complete numerous small-

scale projects each year instead of one or two large-scale projects. For example, of the 160 projects completed in FY 97, only seven projects (4.4%) exceeded \$100,000, and only 15 projects (9.4%) exceeded \$50,000. Over two-thirds of the projects cost less than \$10,000.

The challenge is to provide sufficient funding for the large-scale projects and many more small-scale projects. In some watersheds the impediments to improved salmon production may include one or more large, high-cost projects in addition to any number of smaller projects. (An example would be a single fish barrier on the mainstem of a river which blocks access to miles of excellent upstream salmon habitat.) Despite favorable cost-benefit analyses, the RFEGs are usually financially unable to undertake these large-scale projects.

Another reason to fund large-scale projects is because small, low-cost projects tend to be located on small streams, which primarily benefit coho and chum salmon. Projects on larger streams and rivers tend to cost more, but these are the streams utilized more often by chinook salmon. With the probability of Puget Sound chinook stocks being declared warranted for listing under the Endangered Species Act by the National Marine Fisheries Service (NMFS), it would be prudent to employ the RFEGs to help recover Puget Sound chinook stocks.

Options:

A) Continue the current level of funding and focus the RFEG program on small-scale projects. Large-scale projects and chinook recovery may be completed by a combination of existing programs, new programs, and other governmental agencies.

B) Increase the funding for the RFEG program that could allow each group the opportunity to conduct at least one large-scale project per year in addition to its smaller projects.

Recommendation:

Option B allows the groups to continue their present success while allowing them to expand the benefits of volunteer participation in the salmon recovery effort. It will also provide them with experience in completing large-scale projects. Given the fiscal responsibility and resourcefulness they have shown to date (\$6.14 of outside donations for every state dollar spent) the RFEG program is a proven method to restore salmon stocks.

2) The Volunteer Technical Specialists (WDFW biologists providing technical support to the volunteer groups) have had their roles expanded to include a far greater range of responsibilities than was originally intended. These positions now include providing support for ALL volunteer activities, including wildlife and other fish enhancement efforts. In addition, the growing state population has resulted in more pressure on the salmon resource and, ironically, more citizens volunteering to save salmon. The result is a greatly expanded workload for the VTSs. At the current staffing level projects go undone, community groups can not always be contacted, and the level and quality of customer service provided to the state's citizens suffers.

Options:

- A) Continue to reduce customer service and daily support to all volunteer and community groups as the workload continues to increase.

- B) Transfer administrative oversight and logistical responsibilities to the volunteers and the volunteer board members.

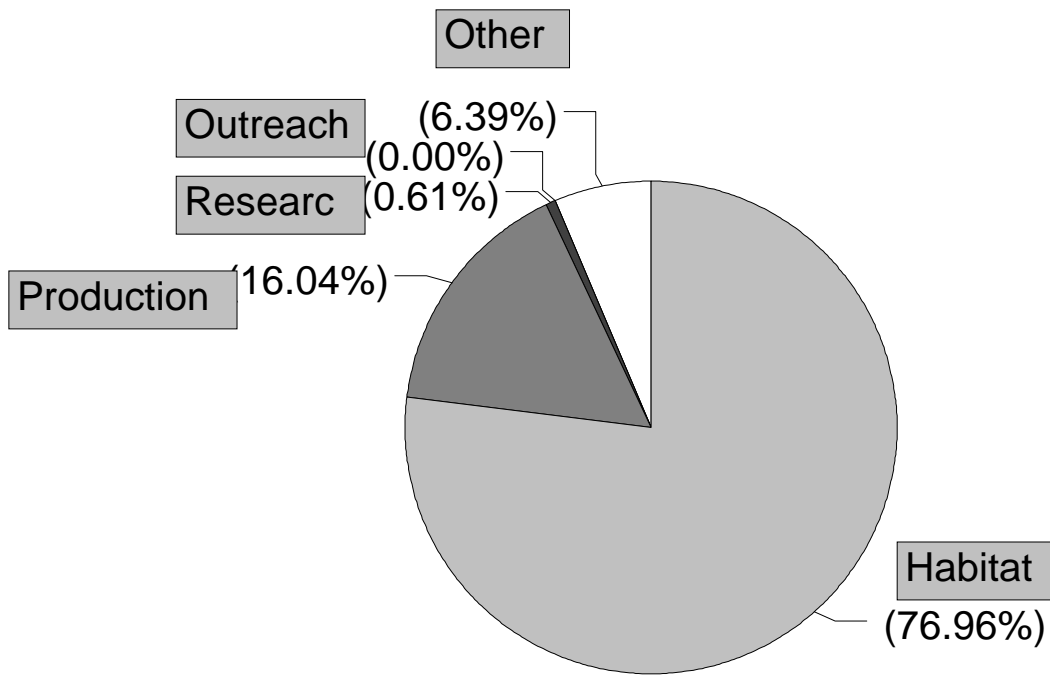
- C) Fund two new VTS positions (one each for western and eastern Washington) to help meet the demands of increasing customer service and expanded job demands.

Recommendation:

Option C would allow the RFEG program and WDFW to complete more salmon restoration work and improve the level of customer service.

RFEG Project Expenses Summary for FY 97

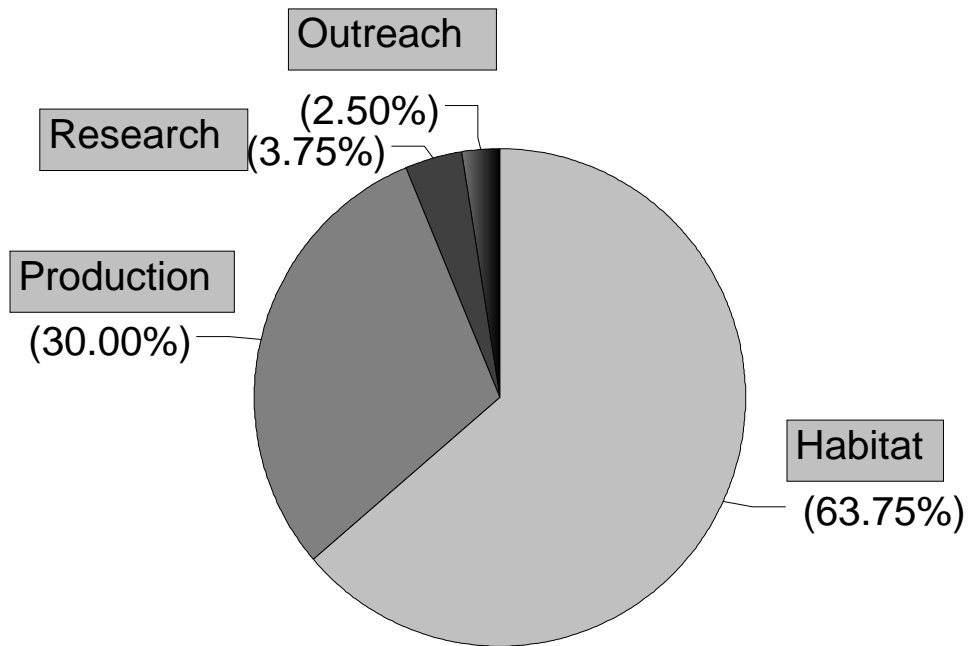
REGION	Habitat Expenses	Production Expenses	Research Expenses	Outreach Expenses	Other Expenses*	Total Expenses
1	\$507,580	\$54,147	\$13,213		\$67,144	\$642,084
2	\$636,536	\$16,748	\$5,465		\$19,748	\$678,497
3	\$86,874	\$36,740			\$34,750	\$158,364
4	\$287,533	\$27,055			\$26,200	\$340,788
5	\$84,108				\$17,759	\$101,867
6	\$50,000	\$87,201			\$28,044	\$165,245
7	\$243,356	\$21,313	\$1,238		\$10,470	\$276,377
8	\$353,931	\$60,274			\$299	\$414,504
9	\$15,200	\$161,556				\$176,756
10	\$65,781	\$60,453			\$3,380	\$129,614
11	\$27,217				\$1,605	\$28,822
12	\$163,788					\$163,788
Totals	\$2,521,904	\$525,487	\$19,916	\$0	\$209,399	\$3,276,706
Percentage	76.96%	16.04%	0.61%	0.00%	6.39%	



* Other Expenses includes the following items: office supplies, rent, utilities, postage, payroll, etc.

RFEG Project Type Summary for FY 97

REGION	Habitat Projects	Production Projects	Research Projects	Outreach Projects	Total Projects
1	11	4	4	1	20
2	10	2	1	1	14
3	10	7		1	18
4	22	4			26
5	15			1	16
6	1	6			7
7	9	4	1		14
8	5	2			7
9	1	6			7
10	1	13			14
11	4				4
12	13				13
Totals	102	48	6	4	160
Percentage	63.75%	30.00%	3.75%	2.50%	



RFEF Fiscal Contribution Summary for Fiscal Year 1997

Region	RFEF Funds	Volunteer Hours	Other Contributions	Total FY 97 Costs	Matching Ratio RFEF Funds : Other Contributions
1	\$12,244	6,996	\$629,840	\$642,084	1 : 51.44
2	\$33,984	2,537	\$644,513	\$678,497	1 : 18.97
3	\$55,534	2,519	\$102,830	\$158,364	1 : 1.85
4	\$18,162	7,053	\$322,626	\$340,788	1 : 17.76
5	\$51,304	1,318	\$50,563	\$101,867	1 : 0.99
6	\$40,195	2,004	\$125,050	\$165,245	1 : 3.11
7	\$24,776	1,929	\$251,601	\$276,377	1 : 10.16
8	\$58,205	800	\$356,299	\$414,504	1 : 6.12
9	\$24,406	5,656	\$152,350	\$176,756	1 : 6.24
10	\$55,951	5,893	\$73,663	\$129,614	1 : 1.32
11	\$16,257	450	\$12,625	\$28,882	1 : 0.78
12	\$69,288	0	\$94,500	\$163,788	1 : 1.36
Totals	\$460,306	37155	\$2,816,460	\$3,276,766	1 : 6.12
Averages	\$38,359	3,096	\$234,705	\$273,064	

*Other Contributions: JFE Grants, ALEA Funds, Private Donations, Membership Dues, and Volunteer Labor

Citizen Advisory Board Retreat

On September 6, 1997, the Citizen Advisory Board met in Belfair, Washington for an all-day retreat. The goal of this retreat was to create a unified sense of purpose among the board members in order to improve the program's efficiency and effectiveness. Board members used the results of an anonymously-completed questionnaire to assess shared values and goals, and to determine where their efforts would be most productive.

The outcomes of the retreat were a new subcommittee arrangement to better allocate responsibilities among board members, and a vision statement, mission statement, and set of goals to direct the Advisory Board in the future. These statements and goals were officially adopted on December 6, 1997, and are listed below.

Vision Statement

Salmon recovery efforts are so successful and salmon populations are so healthy that the Regional Fisheries Enhancement Program is no longer necessary.

Mission Statement

Support, promote, and facilitate the efforts of the twelve Regional Fisheries Enhancement Groups.

Goals

- 1) Develop and implement legislative mandates.
- 2) Develop and implement promotional efforts to assure membership and citizen involvement, public awareness, and agency recognition of the Regional Fisheries Enhancement Program.
- 3) Develop, promote, and reward relationships with the Washington Department of Fish and Wildlife, other governmental and non-governmental agencies, the business community, and the public.
- 4) Develop and execute grant writing capabilities to assure continued, stable funding for the Regional Fisheries Enhancement Program.
- 5) Support the policies of the Washington Department of Fish and Wildlife regarding salmon conservation and restoration, consistent with legislative mandate and co-management.
- 6) Facilitate relationships and/or dispute resolution among partners.
- 7) Provide leadership, where appropriate, to community-based salmon enhancement efforts.

An Example Project: Little Red Salmon Creek Culvert Replacement

Road culverts that block or hinder salmon migration have been recognized as a significant factor in salmon habitat loss and declining salmon populations. Although many of these “bad” culverts are on public roads, there are also many on private land. Small private landowners often lack the financial ability to repair these fish-blocking culverts. This is where the Regional Fisheries Enhancement Groups can help. These volunteer groups have the experience and networking capabilities to provide the landowner with the information, engineering, contracting, and financial support to repair culverts and restore fish passage.

An example of a “bad” culvert and its repair is displayed in this series of photos. The stream in question is officially unnamed, but is known locally as Little Red Salmon Creek. This small stream empties directly into Puget Sound at the Nisqually Delta, just east of the Nisqually River. Although short (1.5 miles), it historically supported a run of chum salmon, and it likely supported coho salmon as well. Thanks to the efforts of the South Puget Sound Salmon Enhancement Group, local resident Sally Ann Marsten, and landowner Albert McBride, the upper portion of this stream is open to coho and chum salmon migration for the first time in six decades.

This is the old culvert. It is a 12" diameter concrete culvert and is “perched” two to three feet above the stream. Although some species of salmon are good jumpers, it is extremely difficult for them to aim for such a small target. Adding to the challenge is the speed of the water flow exiting the culvert. By narrowing the stream width, the culvert creates a “firehose” effect too powerful for salmon to overcome. This firehose effect also greatly increases instream erosion.

This photo shows the completed project. Salmon are able to move easily through the creek, and the erosive effects of the undersized and perched culvert no longer exist.

Forty percent of the total cost of this culvert replacement project came from volunteer contributions and other charitable donations.

Project Costs	Paid	Donated	Total
Culvert	\$2,927		\$2,927
Power line service	2,084		2,084
Design and Permitting	1,270	\$3,500	4,770
On-site engineer	600	600	1,200
Equipment time	6,596	1,440	8,036
Plant material	243		243
Culvert delivery	173		173
Volunteer labor (90 hrs @ \$12.50/hr)		1,125	1,125
Rock - 66 tons		1,620	1,620
Water pump rental		300	300
Totals	\$13,893	\$8,585	\$22,478

Conclusion

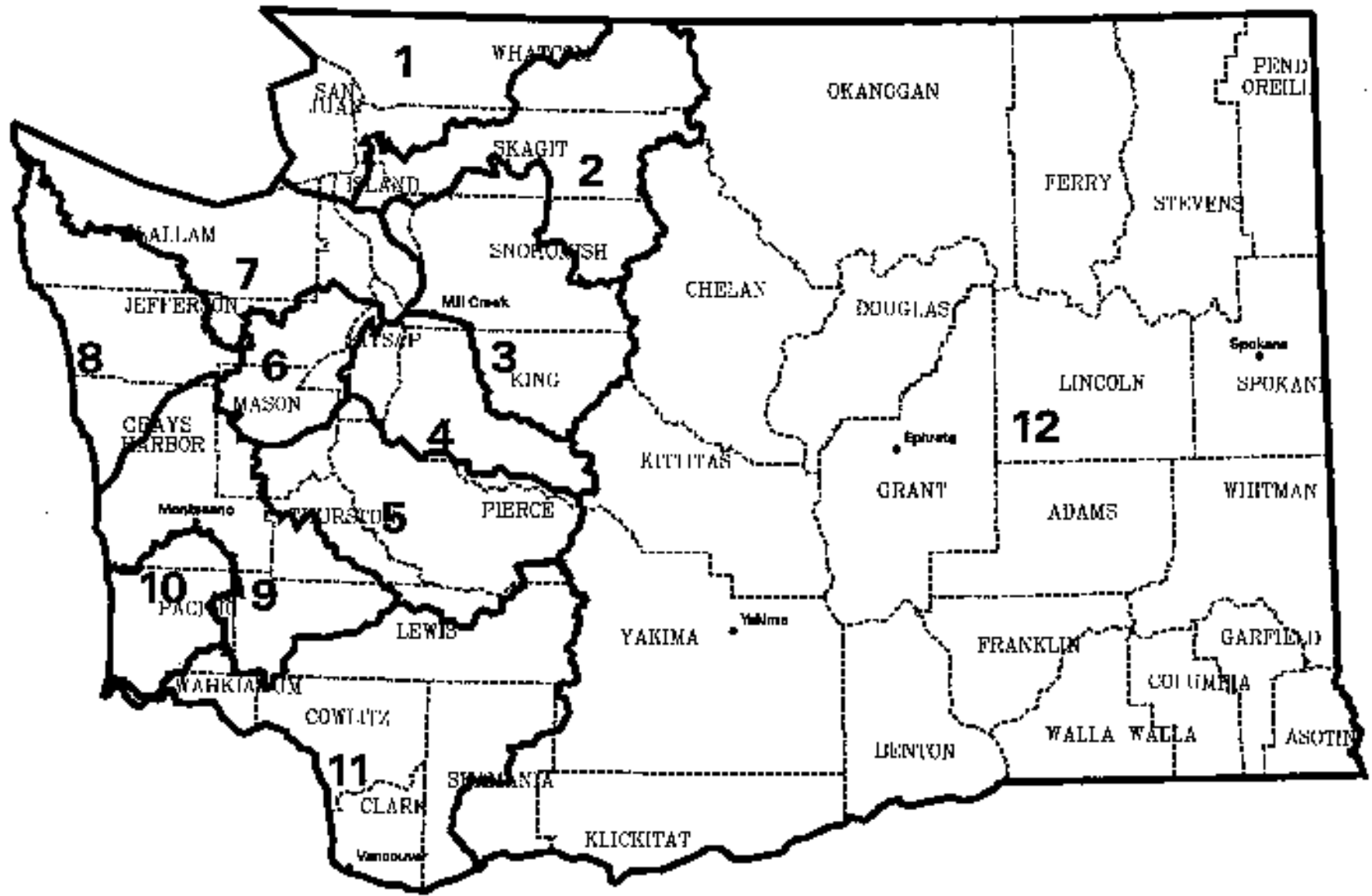
RCW 75.50.010 Legislative Findings

“Currently, many of the salmon stocks of Washington state are critically reduced from their sustainable level. The best interests of all fishing groups and the citizens as a whole are served by a stable and productive salmon resource. Immediate action is needed to reverse the severe decline of the resource and to insure its very survival. The Legislature finds a state of emergency exists and that immediate action is required to restore its fishery.”

With this statement the 1990 Legislature was motivated to establish the Regional Fisheries Enhancement Program to restore our salmon resource. As this report indicates, the program has been extremely successful at enhancing salmon and salmon habitat on a shoestring budget by using donations, matching grants, and volunteer labor. These groups are able to generate six dollars in outside contributions for every state dollar spent on the program, an extremely high level of fiscal efficiency for any government program.

Unfortunately, salmon stocks are still declining, and the RFEG program has maximized its current resources. Since the inception of this program the pressure on salmon stocks, and particularly on salmon habitat, has increased dramatically. Although the RFEG program is making a positive difference, it presently lacks the resources to reverse the trend of shrinking salmon populations. However, given the proper level of agency support and funding for salmon enhancement projects, the RFEG program would be the most fiscally conservative means of restoring our salmon resource and may assist in avoiding any further Endangered Species Act listings for Washington state salmon.

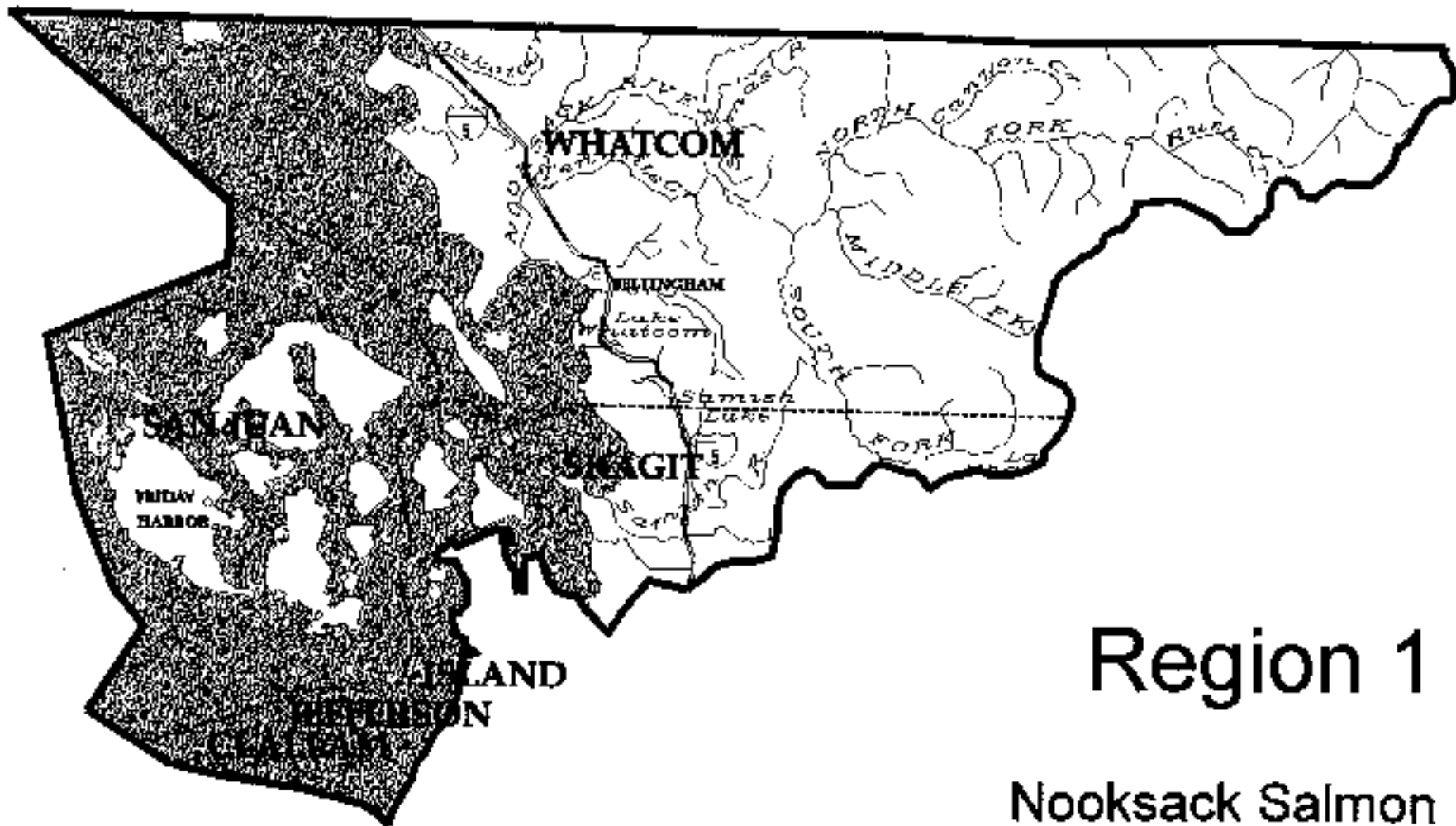
WASHINGTON STATE DEPARTMENT OF FISH AND WILDLIFE
REGIONAL FISHERIES ENHANCEMENT PROGRAM



MAP OF REGIONAL BOUNDARIES

Appendices

Region 1	Nooksack Salmon Enhancement Association
Region 2	Skagit Fisheries Enhancement Group
Region 3	Stilly-Snohomish Fisheries Enhancement Task Force
Region 4	Mid-Puget Sound Fisheries Enhancement Group
Region 5	South Puget Sound Salmon Enhancement Group
Region 6	Hood Canal Salmon Enhancement Group
Region 7	North Olympic Salmon Coalition
Region 8	Pacific Coast Salmon Coalition
Region 9	Chehalis River Basin Fisheries Task Force
Region 10	Willapa Regional Fisheries Enhancement Group
Region 11	Lower Columbia Fish Enhancement Group
Region 12	Eastern Washington Fisheries Enhancement Group



Region 1

Nooksack Salmon
Enhancement Association

Region 1 Nooksack Salmon Enhancement Association

	<u>Board of Directors</u>	
NSEA	W. Perry Welch	President
PO Box 2535	Keith Carlson	Treasurer
Bellingham, WA 98227-2535	Jeff Kombol	Secretary
(360) 715-0283	Joanne Greenberg	Board Member
	Mike McRory	Board Member
Margaret Neuman	Russ Tolsma	Board Member
Program Coordinator	John Field	Board Member
	Jim Zuanich	Board Member
Clare Fogelsong	Steve Ayers	Board Member
Project Manager	Burt Webber	Board Member

The Nooksack Salmon Enhancement Association's mission is to improve naturally spawning salmon runs through salmon habitat restoration, education, and salmon production projects. Because of local interest and enthusiasm for NSEA's work, the group has been able to accomplish considerably more than the work funded directly by the regional enhancement program. The group has augmented regional enhancement funding with volunteer efforts and with other state, local, federal, and private support.

Nooksack Salmon Enhancement Association (NSEA) includes all streams that flow into Puget Sound between the Canadian border and the Skagit River drainage, including the San Juan Islands. NSEA works primarily within Whatcom County, with most projects being located in the Nooksack Basin, the Drayton Harbor Watershed, and small coastal streams draining directly to Puget Sound.

NSEA's Board of Directors has representation from the commercial fishing industry, the scientific community, and the general public. Partnerships have also been developed with several local schools, the Whatcom Conservation District, the Bellingham Rotary Club, Bellingham Technical College, Western Washington University, Washington State University Cooperative Extension - Whatcom County, US Fish and Wildlife Service, the Lummi Nation, Puget Sound Gillnetters Association, and the FishAmerica Foundation, among others.

For the fiscal year 7-1-96 to 6-30-97, NSEA continued or completed five enhancement projects approved during the previous fiscal year, and received approval to begin two new projects. NSEA also conducted 13 projects with outside funding.

RFEG Funded Projects Approved in Prior Fiscal Year(s)

1) Egg Box Project Maintenance (#58260902)*

Jan 1997 - Jan 1998

These funds support maintenance, repairs, and replacement (where needed) of remote site incubator egg boxes. In the winter of 1996-1997, NSEA operated several coho and chum egg boxes. Volunteers checked the boxes daily to ensure adequate water circulation around the eggs.

Project Sponsor	NSEA	Allocated Funds	\$ 2,500
Project Status	Complete	Amount Spent	\$ 792
Project Type	Habitat	Volunteer Hours	270 = \$ 3,375
		Other Contributions	\$ 0
		Total Project Cost	\$ 4,167

2) Coho Net Pen Operations (#58261136)

Apr 1996 - Dec 1997

NSEA has sponsored this net pen project in the south part of Bellingham Bay for several years. These funds are used for operation and maintenance of the net pens, which reared 250,000 and 150,000 juvenile coho in 1996 and 1997, respectively. This community-based effort has several partners, including the Lummi Nation, Puget Sound Gillnetters Association, the FishAmerica Foundation, and the Bellingham Technical College.

Project Sponsor	NSEA	Allocated Funds	\$ 13,500
Project Status	Ongoing	Amount Spent	\$ 2,858
Project Type	Production	Volunteer Hours	650 = \$ 8,125
		Other Contributions	\$ 4,672
		Total Project Cost	\$ 15,655

3) Chinook Fry Survey 1996 (#58261136)

Apr 1996- Dec 1997

This project provides funds for travel expenses incurred by a volunteer performing chinook fry surveys in the South Fork Nooksack Basin. Surveys were conducted once a week for ten weeks. The volunteer worked under the direction of WDFW technicians and biologists, who also provided training and technical support. Collected data was provided to WDFW and the Nooksack Salmon and Steelhead Technical Advisory Committee, an interagency group that includes both tribal and WDFW interests.

Project Sponsor	Noosack Salmon and Steelhead Technical Advisory Committee	Allocated Funds	\$ 360
		Amount Spent	\$ 360
		Volunteer Hours	80 = \$ 1,000
Project Status	Complete	Other Contributions	\$ 0
Project Type	Research	Total Project Cost	\$ 1,360

*Contract numbers are shown for those projects funded with RFEG funds.

Region 1-3

4) Smolt Trap Operations and Maintenance (#58261137)

Apr 1996- Dec 1997

These funds are for the construction, maintenance, and operation of three separate smolt traps in Whatcom County. Smolt trap #1 is on the South Fork of Deer Creek in Ferndale, and will be monitored by Dean McCleary's Ferndale High School class. Smolt trap #2 is on the outlet of Nessit Pond in Acme, a ten acre off-channel spring fed rearing pond that attracted 300 returning adult coho salmon in 1995. Smolt trap #3 is on the outlet of a beaver pond / wetland complex in Acme, and will be monitored by Todd Ritmier's Mt. Baker High School class. The data collected at these sites is used by WDFW biologists and technicians to help gauge the site's productivity and to establish a data base for future run estimates.

Project Sponsor	NSEA	Allocated Funds	\$ 1,500
Project Status	Ongoing	Amount Spent	\$ 300
Project Type	Research	Volunteer Hours	650 = \$ 8,125
		Other Contributions	\$ 0
		Total Project Cost	\$ 8,425

5) Washington Service Corps Match 1996 (#58261138)

Apr 1996 - Dec 1996

These funds were used to cover the fee for a Washington Service Corps / AmeriCorps volunteer who worked full-time for NSEA for 11 months. The duties of this volunteer included: organizing volunteer work projects; recruiting, training, and supervising interns; and implementing water quality and vegetation monitoring.

Project Sponsor	NSEA	Allocated Funds	\$ 2,500
Project Status	Complete	Amount Spent	\$ 2,500
Project Type	Outreach / Research	Volunteer Hours	\$ 0
		Other Contributions	\$ 12,000
		Total Project Cost	\$ 14,500

RFEG Projects Approved in FY 97

6) Nooksack Spring Chinook Acclimation Ponds (#58271069)

Apr 1997- Dec 1998

These funds were used to support the volunteer staffing of three spring chinook acclimation ponds in the North Fork Nooksack Basin. Expenses included rental of portable toilets, per diem, and mileage reimbursement to volunteer staff. These ponds held 390,000 native spring chinook fry that were hatched at the Washington State hatchery at Kendall from native broodstock. To safe guard the vulnerable and valuable fish from disturbance during their five-week stay at these sites, NSEA volunteers provided 24 hour per day security at each pond. At least one attempt to tamper with the water supply was foiled by a NSEA volunteer attendant.

Project Sponsor	NSEA	Allocated Funds	\$ 4,000
Project Status	Ongoing	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	2746 = \$ 34,325
		Other Contributions	\$ 0
		Total Project Cost	\$ 34,325

7) Whatcom Creek Pink Salmon Program (#58271071)

Apr 1997- Dec 1998

NSEA will work with the Bellingham Technical College's - Fisheries Technology Program to establish a pink salmon return to the Whatcom Creek Hatchery. This project includes broodstock collection, spawning, incubation of salmon eggs, rearing of eggs to fry stage, and release of pink salmon fry into the estuary of Whatcom Creek.

Project Sponsor	Bellingham Technical College	Allocated Funds	\$ 600
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Other Funded Projects

8) Jobs for the Environment Grant 9601

This grant supported several stream restoration projects in Whatcom County, including projects on tributaries to the Nooksack Basin, Drayton Harbor, and Bellingham Bay. These projects were implemented by dislocated natural resource workers, and included fencing livestock out of streams, replanting riparian areas, and implementing in-stream projects. A final report on this grant will be available at the end of the year.

Project Sponsor	NSEA	Grant Funds	\$153,952
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$153,952

9) Jobs for the Environment Grant 9606

This grant supported a cooperative project between NSEA and the US Forest Service to decrease sediment delivery to spawning beds at the mouth of Canyon Creek, a tributary to the North Fork Nooksack River. Stream banks in the upper reaches of Canyon Creek were exposed during floods in 1989 and 1990. The mouth of Canyon Creek was formerly the most productive chinook spawning habitat in the NF Nooksack system. The area is also heavily used by pink salmon. To protect eroding banks, a crew of five displaced natural resource workers installed high-flow log

deflectors along the edge of the creek to direct high water away from unstable banks. Approximately 20 multi-log structures were anchored along one mile of Canyon Creek. A final report on JfE 9606 is available.

Project Sponsors	NSEA, USFWS	Grant Funds	\$ 77,470
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 77,470

10) Fisher Assistance/Habitat Restoration 95-04 and 96-04

These two grants supported crews of dislocated fishers to implement salmon habitat restoration projects in Whatcom County. The crews built fences to keep livestock out of streams, planted riparian areas with native woody vegetation, implemented in-stream restoration projects, worked to promote establishment of plants at restoration projects, and monitored these projects. A final report from FAHR 95-04 is available. The Fisher Assistance/Habitat Restoration program is administered by the Washington Conservation Commission. NSEA worked under grants to the Whatcom Conservation District.

Project Sponsor	Whatcom Conservation District	Grant Funds (95-04)	\$108,205
		Grant Funds (96-04)	\$119,559
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$227,764

11) CCWF Maintenance & Monitoring

This grant through the Centennial Clean Water Fund supports monitoring and maintenance of stream restoration projects. NSEA is monitoring water quality, vegetation establishment, and the function of in-stream structures at stream restoration projects implemented in the last five years. This grant is coordinated through the Nooksack Recovery Team. The grant continues through 1998. A final report will be available in 1999.

Project Sponsor	NSEA	Grant Funds	\$ 7,306
Project Status	Ongoing	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 7,306

12) ALEA Boyd Creek

WDFW's ALEA program supported the cost of some materials for a cooperative stream restoration and education project with the US Forest Service. Volunteers helped build a board walk at a restoration site on Boyd Creek, a tributary to the NF Nooksack River.

Project Sponsor	NSEA	Grant Funds	\$ 500
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 500

13) ALEA Spawning Surveys

WDFW's ALEA program supported supplies and mileage costs for a survey of spawning salmon on streams throughout the Nooksack Basin. Fifty two miles of streams were surveyed. These surveys were coordinated with and expanded on-going work by WDFW technicians. Results of the surveys were provided to WDFW.

Project Sponsor	NSEA	Grant Funds	\$ 604
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 604

14) Drayton Harbor

The Drayton Harbor grant supported stream restoration projects in California and Dakota Creeks, tributaries to Drayton Harbor. NSEA was a partner in this grant, which was a Public Involvement in Education Grant from the Puget Sound Water Quality Action Team to the WSU Cooperative Extension-Whatcom County.

Project Sponsors	NSEA, WSU Extension	Grant Funds	\$ 2,694
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 2,694

15) Squalicum Creek

WDFW provided some funding for materials for a restoration project on Squalicum Creek. Approximately 1,200 feet of the stream was re-planted with native vegetation with a buffer of 50 feet per bank. In-stream structures were installed along the creek. Students and professors from Western Washington University's Restoration class designed the project, with technical assistance from NSEA and WDFW. Volunteers planted the project and an adjacent industrial property owner provided heavy equipment, valued at \$5,689. The \$4,408 of funding for this project was coordinated through WDFW Biologist Jeff McGowen.

Project Sponsors	NSEA, WWU	Grant Funds	\$ 4,408
Project Status	Complete	Other Contributions	\$ 5,689
Project Type	Habitat	Total Project Cost	\$ 10,097

16) Whatcom Creek Fish Ladder

NSEA installed a fish ladder on Whatcom Creek around a sewer line that had created a salmon passage barrier for the last 90 years. The City of Bellingham provided \$184 for the project. Local businesses donated approximately \$6,000 worth of goods and services. The Bellingham Rotary Club spearheaded the project and provided volunteers.

Project Sponsors	NSEA, Bellingham Rotary	Grant Funds	\$ 0
Project Status	Complete	Other Contributions	\$ 6,184
Project Type	Habitat	Total Project Cost	\$ 6,184

17) PSWQAT Terrell Creek

The Puget Sound Water Quality Action Team provided grant funding for stream restoration on Terrell Creek. A monument and interpretive information were also installed at Birch Bay State Park, at the mouth of Terrell Creek.

Project Sponsor	NSEA	Grant Funds	\$ 1,240
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 1,240

18) DOE GIS Project Mapping

The Department of Ecology provided funding to support a technician to map 120 enhancement sites using global positioning system. These data were used to generate a Geographic Information System map of the sites.

Project Sponsor	NSEA	Grant Funds	\$ 0
Project Status	Complete	Other Contributions	\$ 2,824
Project Type	Research	Total Project Cost	\$ 2,824

19) USFWS Anderson Creek

The USFWS National Refuge Program provided funding for bank work on Anderson Creek. The site has a 200' easement / buffer along the creek. Riparian revegetation was done in the easement.

Project Sponsors	N-SEA	Grant Funds	\$ 2,895
Project Status	Complete	Other Contributions	\$ 0
Project Type	Habitat	Total Project Cost	\$ 2,895

20) Whatcom Creek Restoration

Volunteers continued work on a restoration project near the mouth of Whatcom Creek. The site is in downtown Bellingham. Interpretive, plant identification signs, funded by private donations, were installed along a trail built near the stream. Trails were constructed to allow sport fishers to access the stream without causing bank erosion and trampling vegetation. Private individuals and business donated approximately \$3,000 worth of materials to the project.

Project Sponsors	NSEA	Grant Funds	\$ 0
Project Status	Complete	Other Contributions	\$ 3,000
Project Type	Habitat	Total Project Cost	\$ 3,000

Administrative Costs

In addition to the above mentioned projects, NSEA spent \$5,434 during the 96-97 fiscal year on various administrative needs, including office supplies, telephone, insurance, and staff.

Amount Spent	\$ 5,434
Volunteer Hours	600 = \$ 7,500
Other Contributions	\$ 9,600 - donated office and shop space
	\$ 5,299 - software donated by Microsoft
Total Admin Costs	\$ 27,833

Other Activities - Not Reported Above

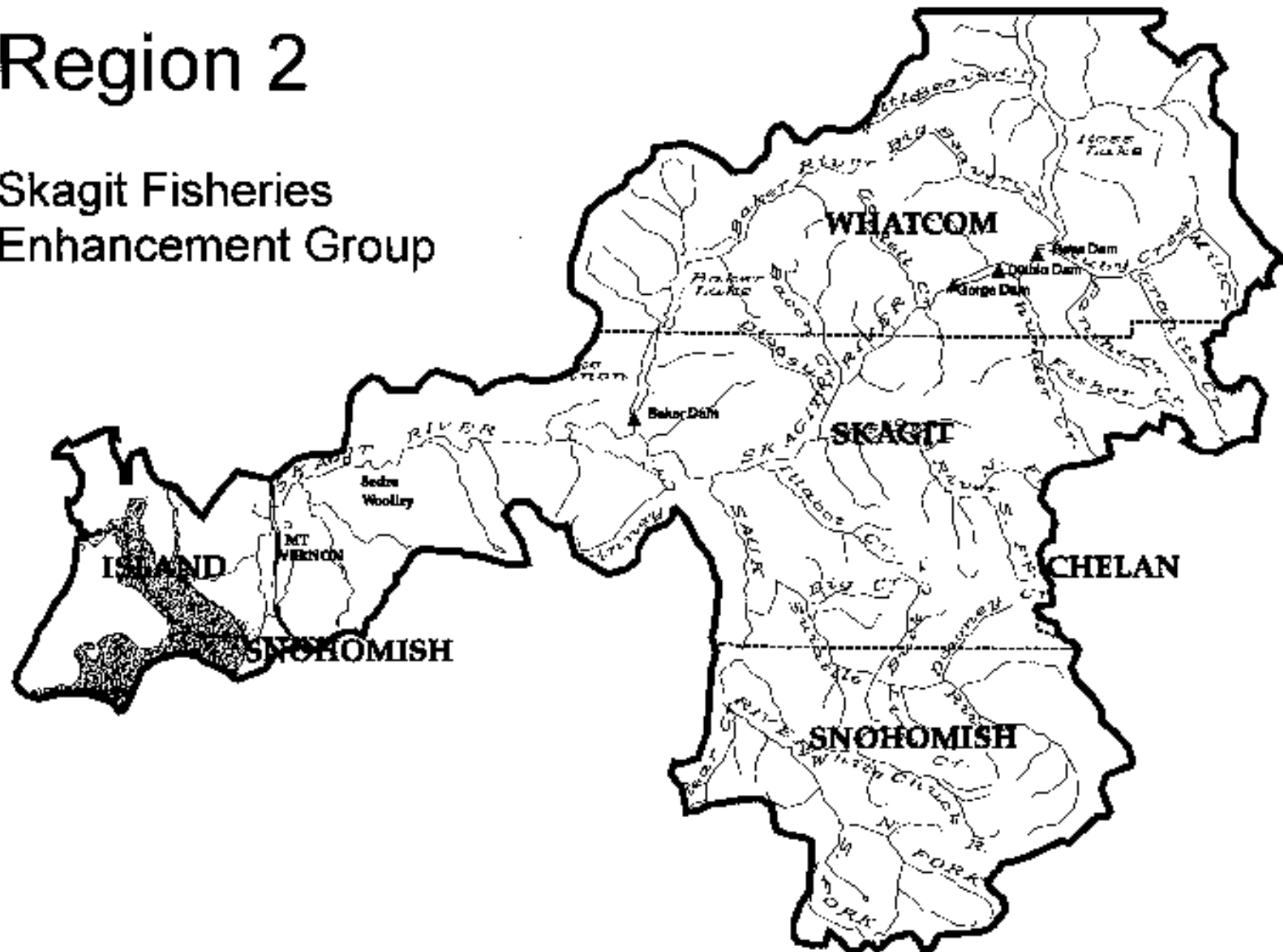
- Volunteer hours in addition to those already noted above: 2,000 hours (habitat enhancement projects, monitoring, interns).
- Donation of trees (Anon.), approximate value: \$3,000.
- Donation of trees (National Tree Trust), approximate value: \$500.
- Membership Contributions: \$1195
- Other charitable contributions: \$9594

NSEA Project and Fiscal Summary

Project Name	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Egg Box Project Maint.	production	complete	\$792	270	\$0	\$4,167
2) Coho Net pen Operations	production	ongoing	\$2,858	650	\$4,672	\$15,655
3) Chinook Fry Survey	research	complete	\$360	80	\$0	\$1,360
4) Smolt Trap Operations	research	ongoing	\$300	650	\$0	\$8,425
5) WA Service Corps Match	outreach	complete	\$2,500	0	\$12,000	\$14,500
RFEG PROJECTS (FY 97)						
6) Spring Chinook Ponds	production	ongoing	\$0	2746	\$0	\$34,325
7) Pink Salmon Program	production	approved	\$0	0	\$0	\$0
OTHER FUNDED PROJECTS						
8) JFE Grant 9601	habitat	complete	\$0	*(see below)	\$153,952	\$153,952
9) JFE Grant 9606	habitat	complete	\$0	*(see below)	\$77,470	\$77,470
10) Fisher Asst / Habitat Restoration	habitat	complete	\$0	*(see below)	\$227,764	\$227,764
11) CCWF Maintenance & Monit.	habitat	ongoing	\$0	*(see below)	\$7,306	\$7,306
12) ALEA Boyd Creek	habitat	complete	\$0	*(see below)	\$500	\$500
13) ALEA Spawning Surveys	research	complete	\$0	*(see below)	\$604	\$604
14) Drayton Harbor	habitat	complete	\$0	*(see below)	\$2,694	\$2,694
15) Squalicum Creek	habitat	complete	\$0	*(see below)	\$10,097	\$10,097
16) Whatcom Fish Ladder	habitat	complete	\$0	*(see below)	\$6,184	\$6,184
17) PSWQAT Terrell Creek	habitat	complete	\$0	*(see below)	\$1,240	\$1,240
18) DOE GIS Project Mapping	research	complete	\$0	*(see below)	\$2,824	\$2,824
19) USFWS Anderson Creek	habitat	complete	\$0	*(see below)	\$2,895	\$2,895
20) Whatcom Creek Restoration	habitat	complete	\$0	*(see below)	\$3,000	\$3,000
Administrative Costs			\$5,434	600	\$14,899	\$27,833
Other Misc. Contributions			\$0	* 2000	\$14,289	\$39,289
Totals			\$12,244	6996	\$542,390	\$642,084
Total Project Budget 7/1/96 - 6/30/97			\$642,084			
Total RFEG Funds			\$12,244			
All Other Contributions			\$629,840			
Ratio			1 : 51.44			

Region 2

Skagit Fisheries
Enhancement Group



Region 2 Skagit Fisheries Enhancement Group

Skagit FEG
PO Box 2497
Mt. Vernon, WA 98273
(360) 336-0172
(360) 336-0701 fax
skgtfish@pacificrim.net

Board of Directors

Arn Thoreen	President
Adam Jewell	Vice President
Kevin Morse	Treasurer
Tom Holt	Secretary
Dave Beatty	Board Member

Ann Novak
Administrative Assistant

The Skagit Fisheries Enhancement Group includes the entire Skagit River drainage, as well as Fidalgo Island and the northern part of Whidbey Island. The Skagit River basin is the largest Puget Sound drainage, in both land mass (3,000 sq. miles) and total drainage (20% of the volume of Puget Sound.) It includes the vast majority of Skagit County, the western half of Whatcom County, and a large section of western Snohomish County. The lower Skagit River, it's tributaries and it's estuary are important migration corridors, spawning habitat and rearing habitat for all five species of salmon (chinook, coho, pink, chum, and sockeye) as well as steelhead and cutthroat trout. The Skagit Fisheries Enhancement Group also includes the Samish River drainage, a 140 sq. mile watershed just north of the Skagit River.

This past year has been one of explosive growth for the Skagit FEG, due in large part to several successful grant applications totaling \$490,000. These funds allowed the group to complete 31 individual restoration projects, maintain a part-time staff, and open a small office in Mount Vernon. This improved level of administrative support allowed the group to generate 2,537 volunteer hours involving a broad spectrum of local citizens.

The Skagit FEG has also created important working partnerships with several fishing, conservation, and educational organizations. Some of these are the Puget Sound Anglers, the Skagit Conservation District, Skagitonians to Save Farmland, the Skagit Land Trust, the Watershed Masters Program, Cascades Job Corps, the Skagit Watershed Council, Skagit County Public Works, three local schools, and the US Fish and Wildlife Service.

For the fiscal year 7-1-96 to 6-30-97, the Skagit FEG completed three enhancement projects approved during previous fiscal years, and received approval to begin six new enhancement projects. The Skagit FEG also conducted five large projects (consisting of 31 individual projects) with outside funding.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Friday Creek Habitat (#930-000228)*

Nov 1994 - Dec 1996

This project was designed to correct an erosion and siltation problem in Friday Creek, a tributary to the Samish River. The plan called for excavation to return the stream to its former channel, installing bank armament and deflectors to protect the eroded bank, and revegetation the eroded bank. Most of the project was completed prior to this fiscal year, with the final work done in the summer of 1996. The year before this project was completed a hill side approximately 150' tall and 375' across, comprising an estimated 20,000 cubic yards of sediment, eroded into Friday Creek. This project successfully prevented further erosion at this site, protecting over 11 miles of Friday Creek and the Samish River from further sedimentation.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 11,000
Project Status	Complete	Amount Spent	\$ 6,311
Project Type	Habitat	Volunteer Hours	92 = \$ 1,150
		Other Contributions	\$ 1,200
		Total Project Cost	\$ 8,661

2) Mud Creek Project (#930-000410)

June 1994- Oct 1996

This is a combination habitat improvement and production project. The Skagit group improved the habitat at Mud Creek while simultaneously raising coho salmon in an Remote Site Incubator (RSI). The habitat improvements included gravel spawning bed construction, placement of log and rock structures, and riparian revegetation. Most of the project was completed prior to this fiscal year, with a few adjustments to the instream structures occurring in the summer of 1996.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 4,450
Project Status	Complete	Amount Spent	\$ 4,115
Project Type	Habitat & Production	Volunteer Hours	73 = \$ 913
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,028

3) Sorenson Creek Catch Basin Clean-Up (#58261139)

Apr 1996 - Dec 1997

For decades the lower reaches of Sorenson Creek suffered from the accumulation of gravel that migrated from the hills above it, causing it to flow underground during the dryer months of the year. This in turn caused heavy mortality on coho fry dependent on year-round freshwater habitat. This project began two years ago with the removal of 6,000 cubic yards of gravel sediment from the channel, and continued with these funds and another 2,200 yards removed. Sorenson Creek now runs in it's channel year-round and supports a healthy population of coho fry.

*Contract numbers are shown for those projects funded with RFEG funds.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 2,200
Project Status	Complete	Amount Spent	\$ 2,200
Project Type	Habitat	Volunteer Hours	240 = \$ 3,000
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,200

RFEF Projects Approved in FY 97

4) Anderson Creek Fencing (#58270122)

Aug 1996 - Dec 1997

This project is for the installation of 2800 feet of five strand barb wire stream-side fencing and the replanting of the adjacent riparian area. The new riparian set-back will be 25 feet.

Project Sponsor	Skagit Conser. District	Allocated Funds	\$ 6,527
Project Status	Ongoing	Amount Spent	\$ 2,221
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,221

5) Anacortes Fidalgo Bay Net Pens (#58270337)

Sept 1996 - Dec 1997

The Skagit group uses these funds to support the operation and maintenance of a net pen project operated by the Anacortes Chapter of the Puget Sound Anglers. Support includes purchase of fish food and repairs to the net pens. In May, 1997, 199,925 coho and 50,700 chinook were released from this facility.

Project Sponsor	Puget Sound Anglers	Allocated Funds	\$ 10,000
Project Status	Ongoing	Amount Spent	\$ 2,109
Project Type	Fish Production	Volunteer Hours	862 = \$ 10,775
		Other Contributions	\$ 0
		Total Project Cost	\$ 12,884

6) Habitat Improvement Project (#58270763, #58280122)

Jan 1997 - Dec 1998

The Skagit FEG will use these funds to conduct stream habitat improvement work on Bob Smith, Giles, Friday, Sorenson, and Bakerview creeks, and the Cruse Road beaver pond. Work will include removal of siltation from streambeds, placement of instream structures, rock, spawning gravel, riparian revegetation, and post-project maintenance of these sites. (This project began as contract #58270763 and was switched to contract number #58280122. The scope of the project and the total RFEF funds dedicated to it remained the same.)

Project Sponsor	Skagit FEG	Allocated Funds	\$ 6,054
Project Status	Ongoing	Amount Spent	\$ 43
Project Type	Habitat	Volunteer Hours	275 = \$ 3,438
		Other Contributions	\$ 1,250
		Total Project Cost	\$ 4,731

7) Riparian Planting (#58271072)

Apr 1997 - Dec 1998

These funds will be used to purchase native plants for revegetation projects anticipated for Mud Creek, Fisher Creek, Little Fisher Creek, and Colony Creek.

Project Sponsor	Skagit Cnty Public Works	Allocated Funds	\$ 5,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

8) Habitat Enhancement (#58271073)

Apr 1997 - Dec 1998

This is a large-scale project which includes salmon habitat improvement on five different streams. Work includes instream weir installation, erosion control, fencing, riparian revegetation, and repair / replacement of a fish ladder. These projects will collectively benefit chinook, coho, steelhead, and cutthroat trout.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 20,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

9) AmeriCorps Match (#58271076)

Apr 1997 - Dec 1998

These funds will be used to cover the fee for an AmeriCorps volunteer who will work full-time for the Skagit FEG for 11 months. The duties of this volunteer may include: organizing volunteer work projects; recruiting, training, and supervising interns; and implementing water quality and vegetation monitoring.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 2,500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Outreach / Admin	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Other Funded Projects

10) RSI Maintenance

The Skagit FEG operates eight RSIs (remote site incubators) at five different sites. Last year these units incubated 250,000 coho eggs and 355,000 chum eggs. The equipment for these incubators was purchased in previous years, and they were operated this past year without any new funding.

Project Sponsor	Skagit FEG	Allocated Funds	\$ 0
Project Status	Complete	Volunteer Hours	108 = \$ 1,350
Project Type	Production	Other Contributions	\$ 0
		Total Project Cost	\$ 1,350

11) Jobs for the Environment Grant 9601 (through NSEA)

The Skagit FEG worked as subcontractor on a JFE grant that went to the Nooksack Salmon Enhancement Association. The Skagit FEG portion of the project called for 6 individual projects to be completed in the Samish Bay watershed. Projects included stream surveys, fencing, revegetation, returning streams to their historic channels, and improving instream habitat. The Skagit portion of this grant is for \$74,242, of which \$67,037 has been spent.

Project Sponsor	NSEA, Skagit FEG	Grant Funds	\$ 67,037
Project Status	Ongoing	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 23,899
		Total Project Cost	\$ 90,936

12) Jobs for the Environment Grant (through Skagit Conservation District)

This grant was awarded for restoration work to be conducted in Bakerview Creek (an urban wetland area), Prairie Lane Rearing Pond (a spring-fed rearing pond), Day Creek (a tributary to the Skagit River), and Seed Orchard Creek in Snohomish County. Five individual projects were completed, including 4,200 feet of riparian revegetation, 144 pieces of large woody debris, and the replacement of a perched culvert which had blocked fish passage.

Project Sponsor	Skagit Cons. District	Grant Funds	\$103,000
Project Status	Complete	Volunteer Hours	378 = \$ 4,725
Project Type	Habitat	Other Contributions	\$132,220
		Total Project Cost	\$239,945

13) Jobs for the Environment Grant 9610 (Hansen Watershed)

This JFE grant involved 20 individual projects in the Hansen watershed. Projects were designed to address limiting factors that were identified in the Hansen Watershed Analysis: excessive sediment, lack of instream structures to create habitat complexity, elevated water temperatures, and blockages to fish migration. It is anticipated that these projects will improve conditions for depressed Skagit River coho and chinook stocks. The amount of the grant was \$290,226, of which \$192,774 has been spent.

Project Sponsor	Skagit FEG	Grant Funds	\$192,774
Project Status	Ongoing	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 89,555
		Total Project Cost	\$282,329

14) ALEA Skagit River Chum Carcass Count

WDFW's ALEA program provided funds to enable four volunteers to count chum salmon carcasses in the Skagit River once per week for 12 weeks. Funds were spent on boat fuel for the actual surveys, and travel expenses incurred by the volunteers. This project is part of a larger effort between USFWS, USFS, and WDFW to track the migration patterns of bald eagles.

Project Sponsor	Skagit FEG	Grant Funds	\$ 1,865
Project Status	Complete	Volunteer Hours	288 = \$ 3,600
Project Type	Research	Other Contributions	\$ 0
		Total Project Cost	\$ 5,465

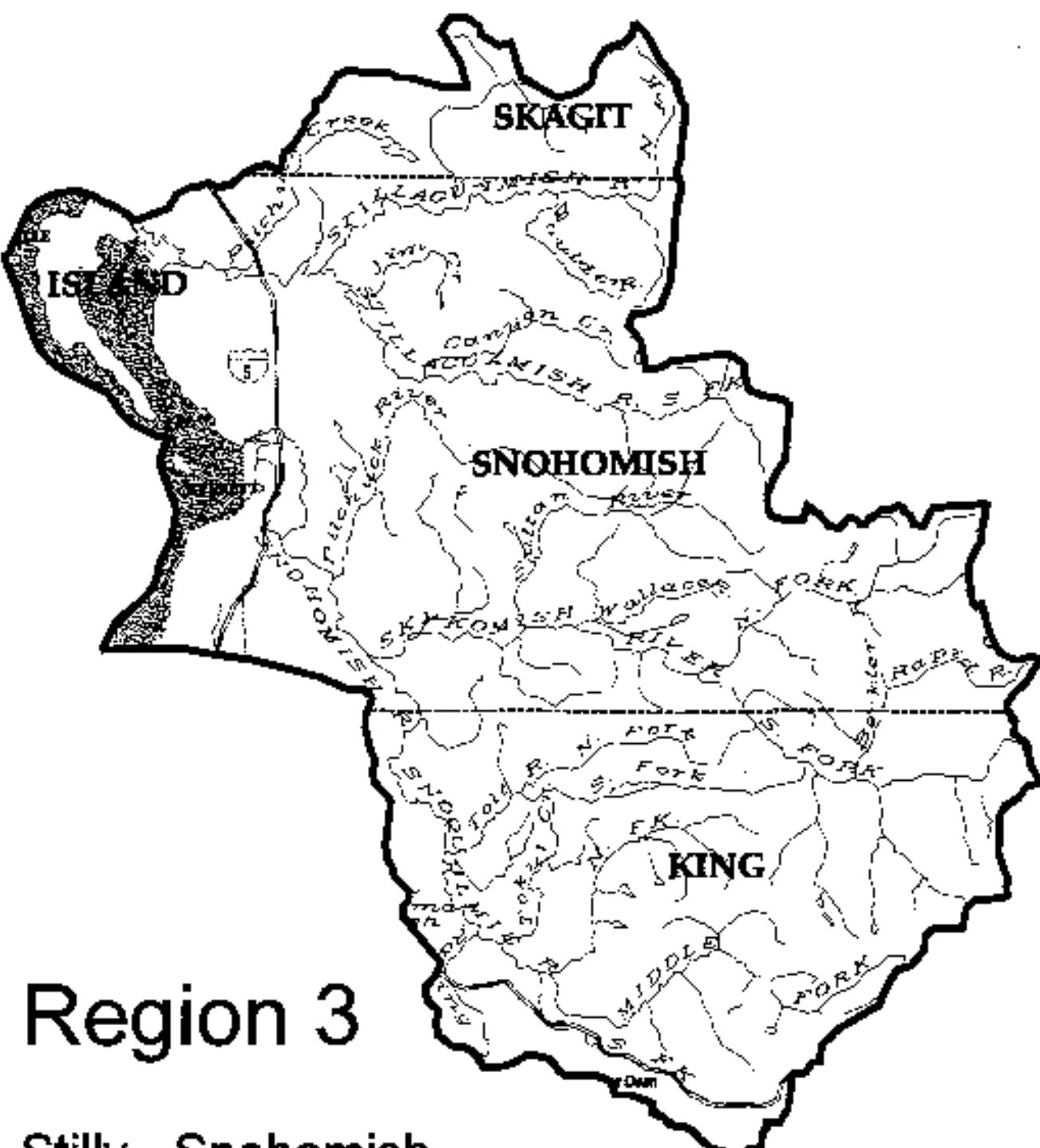
Administrative Costs

In addition to the above mentioned projects, the Skagit FEG spent \$16,985 during the 96-97 fiscal year on various administrative needs, including grant writing, volunteer coordination, newsletter publication, and public outreach.

Amount Spent	\$ 16,985
Volunteer Hours	221 = \$ 2,763
Other Contributions	\$ 0
Total Admin Costs	\$ 19,748

Skagit FEG Project and Fiscal Summary

Project Name	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Friday Creek Habitat	habitat	complete	\$6,311	92	\$1,200	\$8,661
2) Mud Creek Project	hab / prod	complete	\$4,115	73	\$0	\$5,028
3) Sorenson Creek Clean-Up	habitat	complete	\$2,200	240	\$0	\$5,200
RFEG PROJECTS (FY 97)						
4) Anderson Creek Fencing	habitat	ongoing	\$2,221	0	\$0	\$2,221
5) Anacortes Fidalgo Bay Net Pens	production	ongoing	\$2,109	862	\$0	\$12,884
6) Habitat Improvement Project	habitat	ongoing	\$43	275	\$1,250	\$4,731
7) Riparian Planting	habitat	approved	\$0	0	\$0	\$0
8) Habitat Enhancement	habitat	approved	\$0	0	\$0	\$0
9) AmeriCorps Match	outreach	approved	\$0	0	\$0	\$0
OTHER FUNDED PROJECTS						
10) RSI Maintenance	production	complete	\$0	108	\$0	\$1,350
11) JFE Grant 9601	habitat	ongoing	\$0	0	\$90,936	\$90,936
12) JFE Grant via Skagit Cons. Dist.	habitat	complete	\$0	378	\$235,220	\$239,945
13) JFE Grant 9610	habitat	ongoing	\$0	0	\$282,329	\$282,329
14) ALEA Skagit R. Chum Count	research	complete	\$0	288	\$1,865	\$5,465
Administrative Costs			\$16,985	221	\$0	\$19,748
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$33,984	2537	\$612,800	\$678,497
Total Project Budget 7/1/96 - 6/30/97			\$678,497			
Total RFEG Funds			\$33,984			
All Other Contributions			\$644,513			
Ratio			1 : 18.97			



Region 3

Stilly - Snohomish
Fisheries Enhancement Task Force

Region 3

Stilly-Snohomish Fisheries Enhancement Task Force

Stilly-Snohomish FETF
PO Box 5006
Everett, WA 98206
(206) 347-2264

Bill Blake
Project Coordinator

Board of Directors

Glen Eaton	President
John Jacobson	Treasurer
Jennifer Lail	Secretary
Terry Chism	Board Member
Pat Stevenson	Board Member
Kurt Nelson	Board Member
Art Olson	Board Member
Paul Renter	Board Member
John Kuljis	Board Member
Geoff Lebon	Board Member
Jeff Shirley	Board Member
Russ Ramsey	Board Member

The Stilly-Snohomish FETF includes the two large watersheds that make up its name: the Stilliguamish River and the Snohomish River. The Stilliguamish splits into a north fork and a south fork, while the Snohomish River splits to form the Snoqualmie River and the Skykomish River. Located primarily in Snohomish County, this group also includes a small portion of southern Skagit County as well as a significant part of western King County and Island County (Whidbey Island).

Volunteers in this area face the challenge of rapidly expanding urban development in an atmosphere inhospitable to government regulation. These land-use changes impact lowland streams by promoting scouring flood events during winter storms, followed by low flows and high water temperatures in the summer months. Fortunately the larger rivers in this area have not been dammed and remain free-flowing. Consequently these rivers still have strong, viable stocks of salmon that the group works to protect and support.

The Stilly-Snohomish Board of Directors has representation from many local community groups, including the Whidbey Chapter of Puget Sound Anglers, Saltwater Anglers of Mukilteo, Washington Trout, Snohomish Sportsmen, the Poggie Club, Washington Trollers, Sky Valley Chapter of Trout Unlimited, Puget Sound Gillnetters, Tulalip Tribes, and the Stillaguamish Tribe.

For the fiscal year 7-1-96 to 6-30-97, the Stilly-Snohomish group continued or completed four enhancement projects approved during the previous fiscal year, and received approval to begin 18 new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) My Creek Fish Ladder (#58260252 and #58270540)*

July 1995 - Dec 1997

This funding is for the construction of a fish ladder on My Creek, a small tributary to Portage Creek. The ladder will allow adult and juvenile coho salmon to access a large spring-fed wetland pond complex. Funds spent to date have supported engineering work for a fishway design and the construction of a temporary fishway by volunteers. Construction on a permanent log weir fishway is planned for the summer of 1998.

Project Sponsor	SSFETF	Allocated Funds	\$ 6,100
Project Status	Ongoing	Amount Spent	\$ 722
Project Type	Habitat	Volunteer Hours	80 = \$ 1,000
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,722

2) Brenner Hatchery Project (#58260253 and #58270542)

July 1996 - Dec 1997

This funding was used to support the operation of the Brenner Fish Hatchery and rearing ponds located on a small tributary stream of the Stillaguamish River near the town of Granite Falls. The SSFETF has used the hatchery to rear native coho and chinook salmon. This project has been discontinued due to very low returns.

Project Sponsor	SSFETF and Stillaguamish Tribe	Allocated Funds	\$ 15,500
Project Status	Complete	Amount Spent	\$ 11,928
Project Type	Production	Volunteer Hours	250 = \$ 3,125
		Other Contributions	\$ 1,600
		Total Project Cost	\$ 16,653

3) Langley Chinook Rearing (#58260905)

Dec 1995 - Dec 1997

This project is a chinook marine net pen project sponsored by the Whidbey Island chapter of Puget Sound Anglers. Since 1992 volunteers have fed and cared for 10,000 to 15,000 chinook from October until their release in early spring. 1996 and 97 releases have been coded wire tagged in order to evaluate survival and contribution of the stock. Funding has supported improvements to net pens and floats. 20,000 chinook are being raised in 97-98.

Project Sponsor	Puget Sound Anglers	Allocated Funds	\$ 1,600
Project Status	Ongoing	Amount Spent	\$ 766
Project Type	Production	Volunteer Hours	500 = \$ 6,250
		Other Contributions	\$ 0

*Contract numbers are shown for those projects funded with RFEG funds.

Region 3-3

Total Project Cost \$ 7,016

4) Possession Bait Coho Project 1 (#58261140) Apr 1995 - Dec 1997

This funding is for an ongoing coho rearing and imprinting project operated by the Whidbey Island chapter of the Puget Sound Anglers. 15,000 - 30,000 yearling coho are reared in a earthen pond from January until release in late spring. Volunteers feed and care for the fish. Possession Bait company provides the pond, security and use of its facilities. 1996 and 1997 releases have been coded wire tagged to evaluate contribution to the fishery. This fall (1997) volunteers from the Puget Sound Anglers are working with beach fishers to collect heads from tagged sport-caught coho. RFEG funds have been used to operate sea water pumps and repair water lines.

Project Sponsor	Puget Sound Anglers	Allocated Funds	\$ 1,150
Project Status	Complete	Amount Spent	\$ 1,150
Project Type	Production	Volunteer Hours	224 = \$ 2,800
		Other Contributions	\$ 2,000
		Total Project Cost	\$ 5,950

RFEG Projects Approved in FY 97

5) Wagley Creek Tortorice Pond Improvement (#58270123) Aug 1996- Jan 1998

This funding was used to repair the pond's overflow and drain pipe, so it could be restocked with juvenile coho. The pond was built many years ago when nearby property was developed. Recently the pond drainpipe failed, resulting in the loss of the pond and it's fish habitat. This project repaired the drain system, recreating 2 acres of pond. 5,000 coho were released into it last year.

Project Sponsor	Sultan Grange	Allocated Funds	\$ 1,000
Project Status	Ongoing	Amount Spent	\$ 802
Project Type	Production & Habitat	Volunteer Hours	120 = \$ 1,500
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,302

6) Wagley Creek Culvert Fish Passage Project (#58270124) Aug 1996 - Dec 1997

This project is to install three log controls (in-stream structures) to improve fish passage through a culvert on Wagley Creek. Approximately 2 miles of salmon habitat will become accessible above the culvert.

Project Sponsor	Sultan Grange	Allocated Funds	\$ 3,500
Project Status	Ongoing	Amount Spent	\$ 1,747

Project Type	Habitat	Volunteer Hours	210 = \$ 2,625
		Other Contributions	\$ 1,000
		Total Project Cost	\$ 5,372

7) Everett Marina Net Pen (#58270125) Aug 1996- Jan 1998

These funds are being used to repair the net pen and modify the float at the Everett Marina. This project is an ongoing chinook delayed release project sponsored by the Saltwater Anglers of Mukiteo. Volunteers feed and care for the fish from October through their release in early spring.

Project Sponsor	Salt Water Anglers	Allocated Funds	\$ 2,150
Project Status	Ongoing	Amount Spent	\$ 808
Project Type	Production	Volunteer Hours	165 = \$ 2,063
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,871

8) Trib 80 / Dwayne Creek Restoration (#58270126) Aug 1996- Jan 1997

This was part of a large scale habitat restoration project conducted jointly with the Stillaguamish Indian Tribe and Snohomish County. Funding was also obtained through the Jobs for the Environment Program. The overall project involved replacing two impassable culverts and restoring a section of stream degraded by livestock. Culvert work was performed by the tribe and the county. SSFETF and the tribe completed the stream restoration work. This project included restoring stream channel meander and wood debris complexity along 600 feet of stream channel, as well as replanting a 25-30 foot riparian corridor with native vegetation (completed by volunteers).

Project Sponsor	Stillaguamish Indian Tribe and Snohomish County	Allocated Funds	\$ 3,600
		Amount Spent	\$ 3,500
Project Status	Complete	Volunteer Hours	120 = \$ 1,500
Project Type	Habitat	Other Contributions	\$ 65,500
		Total Project Cost	\$ 70,500

9) Eagle Creek Fish Passage (#58270334) Oct 1996 - Dec 1997

This funding was used to purchase construction materials (filter fabric, rebar, ect) to improve fish passage and stabilize spawning habitat at Eagle Creek, a small tributary of the Snohomish river near Monore. Private funds have also been recruited for this project.

Project Sponsor	Poggie Club and Washington Trollers	Allocated Funds	\$ 300
		Amount Spent	\$ 0
Project Status	Ongoing	Volunteer Hours	150 = \$ 1,875

Project Type	Habitat	Other Contributions	\$ 253
		Total Project Cost	\$ 2,128

10) Stilliguamish Summit (#58270335) Oct 1996- Dec 1997

This funding will be used to send approximately 20-30 teachers to a one day workshop to implement stream restoration projects.

Project Sponsor	Christy Ward	Allocated Funds	\$ 500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Outreach	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

11) Pond 205 Habitat Restoration Project (#58270539) Sept 1996- Aug 1997

This project involved installing fish way structure to provide passage for both juvenile and adult salmon into large (approximately 10 acre) wetland/beaver pond complex located on Kuhlman Creek, a tributary to the Pilchuck River. A small fishway has been fabricated out of 12" pipe and plywood, per WDFW design. A change in property management resulted in loss of permission to continue this project. The project has been abandoned, but we are actively seeking another suitable site for the fishway.

Project Sponsor	Adopt-a-Stream	Allocated Funds	\$ 1,623
Project Status	Complete	Amount Spent	\$ 563
Project Type	Habitat	Volunteer Hours	100 = \$ 1,250
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,813

12) Possession Bait Coho Project 2 (#58270882) Jan 1997 - Dec 1997

This is a continuation of a previous project (see #2 above). These funds will be used to support the production of 30,000 coho at Possession Bait Company.

Project Sponsor	Puget Sound Anglers	Allocated Funds	\$ 1,500
Project Status	Ongoing	Amount Spent	\$ 698
Project Type	Production	Volunteer Hours	100 = \$ 1,250
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,948

13) Earth Day Revegetation (#58271077)
April 1997- Dec 1998

This contract was to be used for materials to plant native vegetation along 1,000 ft of Portage Creek as it flows through Berringer Farm. Volunteer assistance was provided by the YMCA and an AmeriCorps crew. The Stilly-Sno group elected to pay for the materials using mitigation funds they had received, instead of using RFEF funds.

Project Sponsor	Snohomish County	Allocated Funds	\$	500
	Native Plant Salvage	Amount Spent	\$	0
Project Status	Complete	Volunteer Hours	68 = \$	850
Project Type	Habitat	Other Contributions	\$	989
		Total Project Cost	\$	1,839

14) Al Howell Fencing and Revegetation (#58271078)
April 1997- Dec 1998

The Stilly-Snohomish group provided funds to hire a contractor to construct 1,600 feet of New Zealand electric fencing, repair 1,400 feet of existing fencing, and plant native vegetation around an extensive wetland-pond complex adjacent to the Stillaguamish River near Arlington.

Project Sponsor	Al Howell and	Allocated Funds	\$	3,500
	Stillaguamish Tribe	Amount Spent	\$	3,500
Project Status	Complete	Volunteer Hours	\$	0
Project Type	Habitat	Other Contributions	\$	0
		Total Project Cost	\$	3,500

15) Langley Net Pen Operation and Maintenance (#58271079)
April 1997- Dec 1998

This is a continuation of project #3 above.

Project Sponsor	Stilly - Snohomish FETF	Allocated Funds	\$	1,500
Project Status	Approved	Amount Spent	\$	0
Project Type	Production	Volunteer Hours	\$	0
		Other Contributions	\$	0
		Total Project Cost	\$	0

16) Groeneveld Creek Habitat Improvement (#58271111)
April 1997- Dec 1998

This is a habitat restoration project intended to reestablish riparian cover and improve fish habitat and passage on Groeneveld Creek, a tributary of the Skykomish River near Sultan. Phase 1 of the project will involve reconfiguring 1200' of degraded creek channel to improve rearing habitat for juvenile salmon, replacing culverts to improve fish passage and replanting a 25' riparian corridor along the creek. Phase 2 will address two impassable culverts under Burlington Northern RR and

State Route 2 which limit salmon access to the upper reaches of the stream.

Project Sponsors	Sultan Grange and Stilly - Snohomish FETF	Allocated Funds	\$ 18,300
		Amount Spent	\$ 0
Project Status	Approved	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 0

17) CrissyCreek Restoration Works (#58271112)

April 1997- Dec 1998

The Stilly-Snohomish group intends to restore a 600 foot section of Crissy Creek by realigning the stream channel to provide for meander, installing large woody debris structures, and replacing an undersized culvert. Design and permit applications work has been completed. Construction is planned for the summer of 1998.

Project Sponsors	J. Robbin, landowner	Allocated Funds	\$ 7,500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

18) Fish Creek Revegetation (#58271113)

April 1997- Dec 1998

This project is for the revegetation of 900 feet of riparian habitat at the headwaters of Fish Creek, using native vegetation.

Project Sponsors	Stilly-Snohomish FETF	Allocated Funds	\$ 300
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Administrative Costs

In addition to the above mentioned projects, the Stilly-Snohomish group spent \$29,350 during the 96-97 fiscal year on various administrative needs, including a full-time staff person and a 1/2 time project coordinator. Much of the work involved project development on the above contracts. The Stilly-Snohomish group, Stillaguamish tribe, and the Tulalip tribes jointly applied for and receive a funding from For the Sake of the Salmon to hire a full time watershed coordinator. This person came on board in August 1997, and is now the group's only paid staff.

RFEG Annual Report FY 97

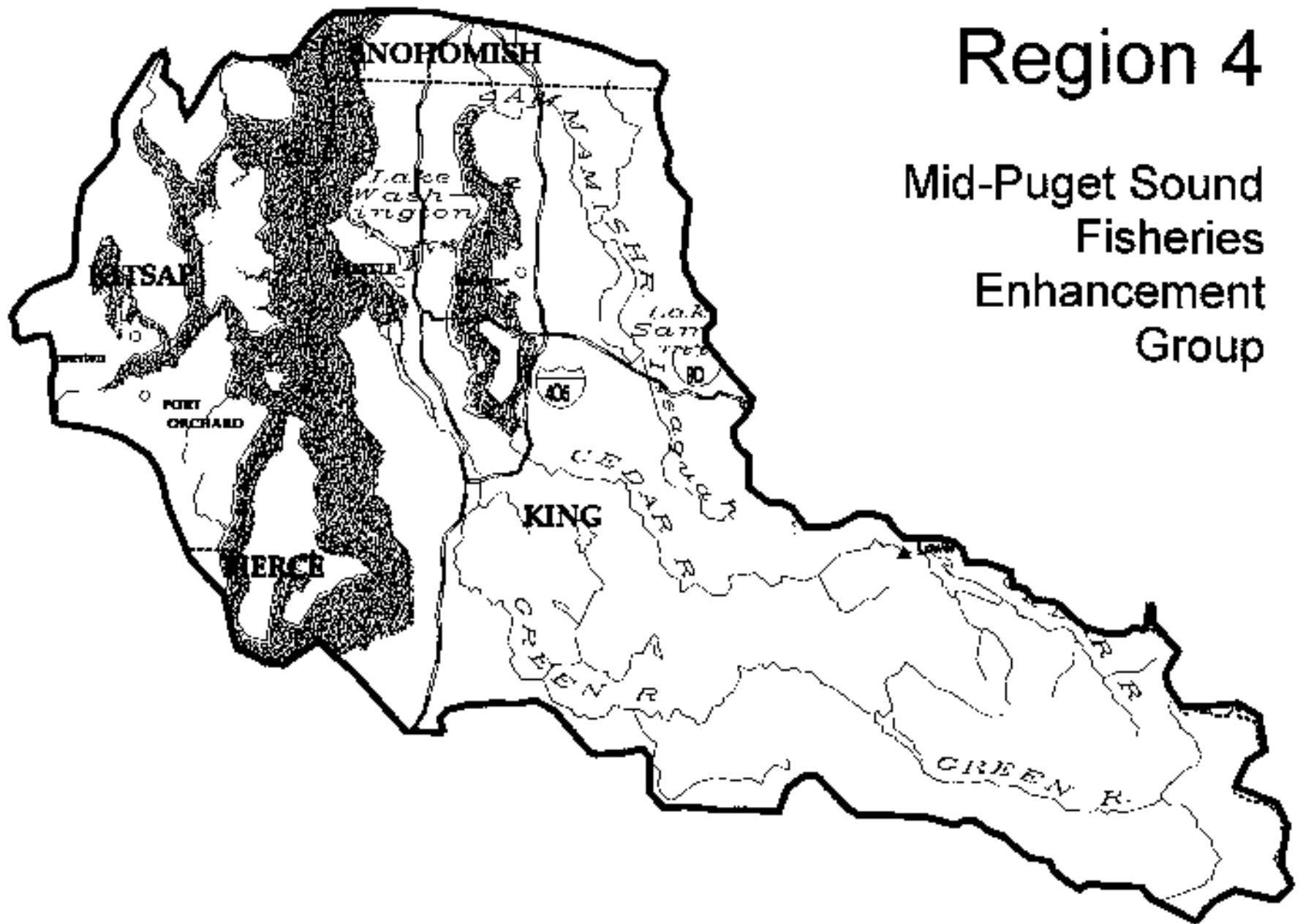
Amount Spent		\$ 29,350
Volunteer Hours	432 =	\$ 5,400
Other Contributions		\$ 0
Total Admin Costs		\$ 34,750

Stilly-Snohomish FETF Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) My Creek Fish Ladder	habitat	ongoing	\$722	80	\$0	\$1,722
2) Brenner Hatchery Project	production	ongoing	\$11,928	250	\$1,600	\$16,653
3) Langley Chinook Rearing	production	ongoing	\$766	500	\$0	\$7,016
4) Possession Bait Coho Project 1	production	complete	\$1,150	224	\$2,000	\$5,950
RFEG PROJECTS (FY 97)						
5) Wagley Creek Tortorice Pond	production	ongoing	\$802	120	\$0	\$2,302
6) Wagley Creek Culvert Project	habitat	ongoing	\$1,747	210	\$1,000	\$5,372
7) Everett Marina Net Pen	production	ongoing	\$808	165	\$0	\$2,871
8) Trib 80 / Dwayne Creek Restor.	habitat	complete	\$3,500	120	\$65,500	\$70,500
9) Eagle Creek Fish Passage	habitat	ongoing	\$0	150	\$253	\$2,128
10) Stillaguamish Summit	outreach	ongoing	\$0	0	\$0	\$0
11) Pond 205 Habitat Project	habitat	ongoing	\$563	100	\$0	\$1,813
12) Possession Bait Coho Project 2	production	ongoing	\$698	100	\$0	\$1,948
13) Earth Day Revegetation	habitat	ongoing	\$0	68	\$989	\$1,839
14) Al Howell Fencing and Reveg.	habitat	complete	\$3,500	0	\$0	\$3,500
15) Langley Net Pen O&M	production	approved	\$0	0	\$0	\$0
16) Groeneveld Creek Habitat Imp.	habitat	approved	\$0	0	\$0	\$0
17) Crissy Creek Restoration Works	habitat	approved	\$0	0	\$0	\$0
18) Fish Creek Revegetation	habitat	approved	\$0	0	\$0	\$0
Administrative Costs			\$29,350	432	\$0	\$34,750
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$55,534	2519	\$71,342	\$158,364
Total Project Budget 7/1/96 - 6/30/97			\$158,364			
Total RFEG Funds			\$55,534			
All Other Contributions			\$102,830			
Ratio			1 : 1.85			

Region 4

Mid-Puget Sound
Fisheries
Enhancement
Group



Region 4 Mid-Puget Sound Fisheries Enhancement Group

Mid-Sound FEG
1438 Alaskan Way
Seattle, WA 98101
(206) 386-4308

David Burger
Executive Director

Board of Directors

Robert Anderson	President
Al Barrie	Vice President
Murray Andrews	Treasurer
Leo Beer	Board Member
Paul Dorn	Board Member
Tim Adderson	Board Member
Bill Robinson	Board Member
Bob Pierson	Board Member
Linda Hanson	Board Member
Kay Gabriel	Board Member
Chantel Stevens	Board Member

The Mid-Sound FEG includes all streams that empty via the King County shoreline, and those west-sound streams that empty into the sound from Kingston south to the Kitsap-Pierce county line. This includes the entire Lake Washington watershed (Sammish River, Cedar River, Issaquah Creek), the Green River Watershed, Vashon and Bainbridge Island, and a number of small creeks in Kitsap County. Volunteers in this area face the challenges of heavy urbanization in western King County, agriculture and “hobby farm” impacts in eastern King County, and fish blockage issues in Kitsap County.

The mission of the Mid-Puget Sound Fisheries Enhancement Group is to enhance and restore the salmonid resources and habitat in the Mid-Puget Sound Region through community partnerships. Since its inception in 1991, the Mid-Sound group has completed over 100 projects and developed relationships with many companies including Weyerhaeuser, Chevrolet/Geo Environmental, Seattle Film Works, Starbucks, Camera West, Odwalla, and Essential Foods. In addition to private companies, the group relies on King and Kitsap County Surface Water Management and Conservation Districts, Muckleshoot and Suquamish Tribes, the Port of Seattle, and Seattle Aquarium for in-kind support. Other partnerships include the City of Lake Forest Park, the City of Bremerton, the Poggie Club, Washington Conservation Corps, Chums of Barker Creek, US Fish and Wildlife Service, and the Wal-Mart Company.

For the fiscal year 7-1-96 to 6-30-97, the Mid-Sound group completed one enhancement project approved during the previous fiscal year, and received approval to begin five new enhancement projects. It also conducted nine projects with outside funding.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Daylighting of Brookside Culvert (#58260125)*

July 1995 - Dec 1996

Funds were requested to restore anadromous fish passage to the upper watershed of Hillside Creek. This was accomplished by relocating a portion of the stream that ran through a 600' culvert under Brookside Elementary School to an above-ground channel (800') along the school's southern boundary. This project was completed in cooperation with the city of Lake Forest Park.

Project Sponsor	Lake Forest Park	Allocated Funds	\$ 5,000
Project Status	Complete	Amount Spent	\$ 4,500
Project Type	Habitat	Volunteer Hours	600 = \$ 7,500
		Other Contributions	\$ 33,550
		Total Project Cost	\$ 45,500

2-4) East Kitsap Peninsula Fall Chinook Projects

The Mid-Sound group is working in cooperation with the Suquamish Tribe and the local Poggie Club to create a terminal fishery for fall chinook off of the Kitsap Peninsula. Most of these fish are hatched at the tribe's Gorley Creek Hatchery, transferred to the Gorst Creek rearing ponds, and fed by volunteer labor supplied by Poggie Club members. Most of the RFEG funds are allocated for fish food. The number of chinook fed by these projects ranges from 1.6 million to 300,000.

Suquamish Fall Chinook Project 1 (#58260850)

Jan 1996- Jan 1997

Project Sponsor	Suquamish Tribe	Allocated Funds	\$ 5,000
Project Status	Complete	Amount Spent	\$ 3,317
Project Type	Production	Volunteer Hours	174 = \$ 2,175
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,492

RFEG Projects Approved in FY 97

Suquamish Fall Chinook Project 2 (#58270327)

Jan 1997- June 1997

Project Sponsors	Suquamish Tribe, Poggie Club, City of Bremerton	Allocated Funds	\$ 3,900
Project Status	Complete	Amount Spent	\$ 3,900
Project Type	Production	Volunteer Hours	915 = \$ 11,438
		Other Contributions	\$ 0
		Total Project Cost	\$ 15,338

Region 4-2 numbers are shown for those projects funded with RFEG funds.

Gorst Fall Chinook Rearing Project (#58270715)		March 1997- June 1998	
Project Sponsor	Suquamish Tribe	Allocated Funds	\$ 2,075
Project Status	Ongoing	Amount Spent	\$ 1,475
Project Type	Production	Volunteer Hours	180 = \$ 2,250
		Other Contributions	\$ 2,500
		Total Project Cost	\$ 6,225

5) Dogfish Creek Rearing Pond (#58270943) Jan 1997- Dec 1998

The Mid-Sound group will use these funds to obtain the necessary permits and design work for the construction of an off-channel rearing pond. Dogfish Creek is in Kitsap County, approximately two miles north of the city of Poulsbo, and drains into the head of Liberty Bay. The pond will be used by the Suquamish Tribe to raise hatchery fall chinook to yearlings.

Project Sponsor	Suquamish Tribe	Allocated Funds	\$ 3,608
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

6) Illahee Net Pen Fish Food (#58271082) April 1997- June 1998

These funds will purchase fish food for 100,000 fin-clipped coho at the Illahee Net Pen. This project will be run by the Suquamish Tribe, local volunteers, and the Mid-Sound group.

Project Sponsor	Suquamish Tribe	Allocated Funds	\$ 2,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Other Funded Projects

7-9) Wal-Mart Wetlands Mitigation Projects

When the Wal-Mart company was fined \$60,000 for failing to protect a salmon creek during its Port Orchard store construction, the Mid-Sound group volunteered to act as contractor for the mitigation efforts. To date the Mid-Sound group has conducted three separate habitat projects on Steele Creek with only \$19,000. These projects were: 1) a wetland improvement project on South Fork Steele Creek, 2) a 7 log weir fish ladder on Middle Fork Steele Creek that opened up 1 mile of habitat, and 3) 1000' of livestock-exclusion fencing on North Fork Steele Creek.

South Fork Steele Creek Wetland Project

Using funds from the Wal-Mart company, the Mid-Sound FEG restored a wetland / pond complex on South Fork Steele Creek. The work involved building a dirt berm to retain water and the placement of large woody debris and two standing cedar snags. This pond will be utilized by resident fish and other wildlife.

Project Sponsor	Mid-Sound FEG	Grant Funds	\$ 12,000
Project Status	Complete	Volunteer Hours	40 = \$ 500
Project Type	Habitat	Other Contributions	\$ 5,000
		Total Project Cost	\$ 17,500

Middle Fork Steele Creek Fish Ladder

Using funds from the Wal-Mart company, the Mid-Sound FEG built a 7 log weir fish ladder on Middle Fork Steele Creek. The ladder provides access to a overwinter pond for juvenile coho and opens 1 mile of stream habitat. Much of the labor, the large woody debris, and the trackhoe was provided for free by the property owner, with the Mid-Sound group providing technical support.

Project Sponsor	Mid-Sound FEG	Grant Funds	\$ 5,000
Project Status	Complete	Volunteer Hours	80 = \$ 1,000
Project Type	Habitat	Other Contributions	\$ 5,000
		Total Project Cost	\$ 11,000

North Fork Steele Creek Fencing Project

The Mid-Sound group used funds from the Wal-Mart company to construct 1000 feet of livestock exclusion fencing along the North Fork Steele Creek. The group worked with the Kitsap County Conservation District and the Washington Conservation Corps on this effort.

Project Sponsor	Mid-Sound FEG	Grant Funds	\$ 2,000
Project Status	Complete	Volunteer Hours	284 = \$ 3,550
Project Type	Habitat	Other Contributions	\$ 1,000
		Total Project Cost	\$ 6,550

10) Smith Farm Project

This was a joint project between the Mid-Sound group, the USFWS, Kitsap Stream Team, the Washington Conservation Corps, and a local group called the Chums of Barker Creek. Barker Creek runs through the Smith farm in Kitsap County. The project involved excavating a pond and connecting it to Barker Creek via a side channel. Volunteers also built up the streambanks on the main channel and added large woody debris to it for habitat complexity.

Project Sponsor	USFWS	Grant Funds	\$ 5,000
Project Status	Complete	Volunteer Hours	280 = \$ 3,500
Project Type	Habitat	Other Contributions	\$ 3,000
		Total Project Cost	\$ 11,500

11) Eisenhart Culvert

An unnamed tributary to Dogfish Creek was blocked to fish passage by a culvert on an abandoned access road. The Mid-Sound group worked with the private landowner and the USFWS to remove the culvert and stabilize the streambed with five rock weirs. This project opened 1.8 miles of stream to coho.

Project Sponsor	USFWS	Grant Funds	\$ 3,500
Project Status	Complete	Volunteer Hours	324 = \$ 4,050
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 7,550

12) Ashby Farm

The Mid-Sound group worked with a private landowner on Salmonberry Creek to install four log weirs to allow fish access into a rearing pond. All of the construction labor and equipment (primarily trackhoe work) was provided by the landowner. The Mid-Sound group provided technical support.

Project Sponsor	Mid-Sound FEG	Grant Funds	\$ 0
Project Status	Complete	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 5,700
		Total Project Cost	\$ 5,700

13) Newaukum Creek Bank Stabilization Project

Newaukum Creek runs through several miles of agricultural land in eastern King County. The Mid-Sound group, in conjunction with the Muckleshoot Tribe, has completed several fencing and bank stabilization projects in this area. In this particular project a 40 foot section of bank, located at a bend in the stream, was stabilized by re-sloping the bank, installing rootballs, and revegetating the new bank.

Project Sponsor	Muckleshoot Tribe	Grant Funds	\$ 4,800
Project Status	Complete	Volunteer Hours	100 = \$ 1,250
Project Type	Habitat	Other Contributions	\$ 700
		Total Project Cost	\$ 6,750

14) Jay Friedman Fencing Project

This project was a partnership with the King Conservation District, King County Stewardship Grant Program and the World Conservation Corps (Cascadia Quest). Drainage Ditch #5 flows into Springbrook Creek, a tributary of Newaukum Creek (river mile 9), and is utilized by coho fry and smolts year round. The WCC crew constructed a 500 foot fence to exclude livestock access.

Project Sponsor	MPSFEG	Grant Funds	\$ 700
Project Status	Ongoing	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contribution	\$ 4,800
		Total Project Cost	\$ 5,500

15) McMurray Fencing and Planting Project

This two-part project was a partnership with the King Conservation District, King County Stewardship Grant Program and the Washington Conservation Corps. 1,000 feet of livestock-exclusion fencing was constructed along the mainstem of Newaukum Creek (river mile 9). In addition, 250 plants were planted by Mid Sound volunteers.

Project Sponsor	MPSFEG	Grant Funds	\$ 2,100
Project Status	Complete	Volunteer Hours	80 = \$ 1,000
Project Type	Habitat	Other Contribution	\$ 5,000
		Total Project Cost	\$ 8,100

16) Upper Newaukum Creek Habitat Repair

This project is a part of a continued partnership with the Weyerhaeuser Corporation and Mid Sound Fisheries. A logging road culvert crossing Newaukum Creek at river mile 13, on Weyerhaeuser property, was removed and large woody debris and rock was added to stabilize the streambed. A total of .2 stream miles were made passable.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 300
Project Status	Complete	Volunteer Hours	64 = \$ 800
Project Type	Habitat	Other Contribution	\$ 2,860
		Total Project Cost	\$ 3,960

17) Weishaupt LWD Placement

The Weyerhaeuser Corporation provided the use of a helicopter to place 10 rootwads, donated by the Muckleshoot Indian Tribe, into river mile 5 of Newaukum Creek. The World Conservation

Corps donated their crew for cabling and anchoring of the woody debris.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 200
Project Status	Complete	Volunteer Hours	56 = \$ 700
Project Type	Habitat	Other Contribution	\$ 4,660
		Total Project Cost	\$ 5,560

18) Lions Creek Sockeye Enhancement

Located near the Cedar River, this joint project with Puget Sound Anglers, Renton Lions Club, Eagle Scout #212 and King County focused on removal of a damaged culvert and replaced it with a wooden footbridge. In addition, a local Eagle Scout volunteer managed a planting project. King County contributed \$25,000 in funds to pay for a Washington Conservation Crew, equipment and materials.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 500
Project Status	Complete	Volunteer Hours	60 = \$ 750
Project Type	Habitat	Other Contribution	\$ 25,500
		Total Project Cost	\$ 26,750

19) Newaukum Creek Side Channel Creation

At river mile 5, upstream of the Weishaupt property, a historical side channel existed. The slight depression was heavily infested with reed canary grass. The Muckleshoot Indian Tribe donated 50 hours of excavator and trucking time to excavate the site and remove the spoils. The side channel, which measured 150' x 25', was constructed for refuge of young salmon during storm events. After completion of the side channel, 35 volunteers planted 200 trees and shrubs.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 370
Project Status	Complete	Volunteer Hours	280 = \$ 3,500
Project Type	Habitat	Other Contribution	\$ 5,000
		Total Project Cost	\$ 8,870

20) Mackey Creek Restoration

In partnership with the City of Redmond and the Quadrant Corporation 16 logs with rootwads were placed by hand into the stream bed to define the channel and increase salmon habitat. 500 trees were also planted by 65 Quadrant employees.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 0
Project Status	Complete	Volunteer Hours	528 = \$ 6,600

Project Type	Habitat	Other Contribution	\$ 2,243
		Total Project Cost	\$ 8,843

21) Walsh Lake Diversion Ditch

King County Surface Water Management partnered with Mid Sound to place 85 logs with rootwads into a tributary to the Cedar River using a helicopter. As part of the Chevy Geo Environmental Program, 15 volunteers planted 500 trees at the site.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 800
Project Status	Complete	Volunteer Hours	120 = \$ 1,500
Project Type	Habitat	Other Contribution	\$ 22,000
		Total Project Cost	\$ 24,300

22) Strawberry Creek Planting

In early 1996 Kitsap County Surface and Storm Water Management contracted the Mid Sound group to develop and prioritize 10 salmon enhancement projects throughout the county. This was one of those projects, located near Silverdale. It utilized local volunteers to dovetail a planting project with a past log weir project completed by Kitsap Water Department. 120 trees and shrubs planted.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 0
Project Status	Complete	Volunteer Hours	160 = \$ 2,000
Project Type	Habitat	Other Contribution	\$ 1,200
		Total Project Cost	\$ 3,200

23) Auburn Narrows Planting

Partnerships with King County Surface Water Management and Chevy Geo Environmental produced 30 volunteers to plant over 200 trees and shrubs.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 100
Project Status	Complete	Volunteer Hours	240 = \$ 3,000
Project Type	Habitat	Other Contribution	\$ 3,600
		Total Project Cost	\$ 6,700

24) Farm Forestry Program 1997

Funded by Department of Development and Environmental Services, the program goals were to increase the forest cover in the watershed to avoid further run-off and improve water quality. Three of four planting sites at horse farms were planted in the Green River Watershed before June 30th. A total of 2,800 native trees were planted.

Project Sponsor	MPSFEG	MPSFEG Funds	\$ 0
Project Status	Complete	Volunteer Hours	1,288 = \$ 16,100
Project Type	Habitat	Other Contribution	\$ 3,600
		Total Project Cost	\$ 19,700

25) Habitat Partners Program

This joint effort between the Mid-Sound FEG and the King County Water and Land Resources Division encourages volunteers to adopt a section of replanted streambank for long term site maintenance. The volunteers are provided with training, tools, and technical advice in exchange for watering and caring for the new plants for a six-month commitment. Funding is provided by the National Fish and Wildlife Foundation (\$10,000), the Hugh and Jane Ferguson Foundation (\$5,000), and the Laird Norton Endowment Foundation (\$5,000).

Project Sponsor	Mid-Sound, King County	Grant Funds	\$ 20,000
Project Status	Ongoing	Volunteer Hours	900 = \$ 11,250
Project Type	Habitat	Other Contributions	\$ 10,000
		Total Project Cost	\$ 41,250

26) Mid-Sound Native Plant Salvage Program

The Mid-Sound group has been conducting this project continuously since 1994. It commenced with a \$7,500 grant from the Horizons Foundation and now operates exclusively on donations and volunteer labor. The Mid-Sound group salvages native plants from construction sites, plants that would otherwise be discarded. These plants are kept in a nursery on land provided by the Muckleshoot Tribe, and are later used to revegetate riparian areas. Plants have also been donated by the National Tree Trust and the Weyerhaeuser Company.

Project Sponsor	Mid-Sound FEG	Grant Funds	\$ 0
Project Status	Ongoing	Volunteer Hours	300 = \$ 3,750
Project Type	Habitat	Other Contributions	\$ 9,000
		Total Project Cost	\$ 12,750

Administrative Costs

In addition to the above mentioned projects, the Mid-Sound group spent \$22,700 during the 96-97 fiscal year on various administrative needs, including grant writing, project coordination, and volunteer recruitment.

Amount Spent	\$ 2,700
Volunteer Hours	\$ 0
Other Contributions	\$ 20,000
Total Admin Costs	\$ 22,700

Other Activities - Not Reported Above

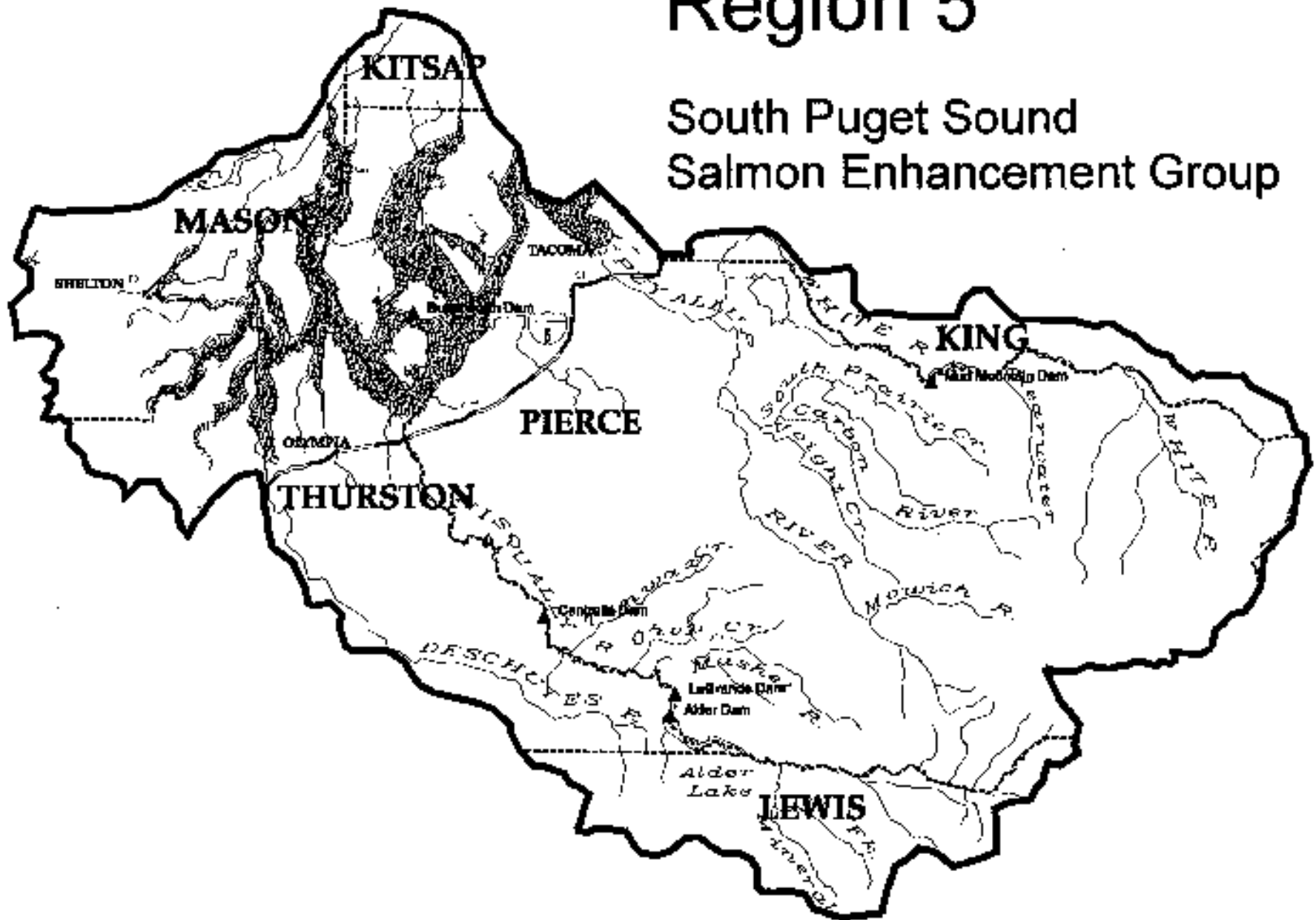
- Donation of one year of vehicle maintenance (Huling Bros. Chevrolet): \$3,500
- Produced newsletters and an Annual Report

Mid-Sound Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Daylighting of Brookside Culvert	habitat	complete	\$4,500	600	\$33,500	\$45,500
2) Suquamish Fall Chinook 1	production	complete	\$3,317	174	\$0	\$5,492
RFEG PROJECTS (FY 97)						
3) Suquamish Fall Chinook 2	production	complete	\$3,900	915	\$0	\$15,338
4) Gorst Fall Chinook Rearing	production	ongoing	\$1,475	180	\$2,500	\$6,225
5) Dogfish Creek Rearing Pond	habitat	approved	\$0	0	\$0	\$0
6) Illahee Net Pen Fish Food	production	approved	\$0	0	\$0	\$0
OTHER FUNDED PROJECTS						
7) South Fork Steele Crk Wetland	habitat	complete	\$0	40	\$17,000	\$17,500
8) Middle Fork Steele Crk Passage	habitat	complete	\$0	80	\$10,000	\$11,000
9) North Fork Steele Crk Fencing	habitat	ongoing	\$0	284	\$3,000	\$6,550
10) Smith Farm Off-Channel Habitat	habitat	complete	\$0	280	\$8,000	\$11,500
11) Eisenhart Culvert	habitat	complete	\$0	324	\$3,500	\$7,550
12) Ashby Farm Log Weirs	habitat	complete	\$0	0	\$5,700	\$5,700
13) Newaukum Creek Habitat	habitat	ongoing	\$0	100	\$5,500	\$6,750
14) Jay Friedman Fencing Project	habitat	ongoing	\$0	0	\$5,500	\$5,500
15) McMurray Fencing Project	habitat	complete	\$0	80	\$7,100	\$8,100
16) Upper Newaukum Creek Habitat	habitat	complete	\$300	64	\$2,860	\$3,960
17) Weishaupt LWD Placement	habitat	complete	\$200	56	\$4,660	\$5,560
18) Lions Creek Sockeye	habitat	complete	\$500	60	\$25,500	\$26,750
19) Newaukum Creek Side Channel	habitat	complete	\$370	280	\$5,000	\$8,870
20) Mackey Creek Restoration	habitat	complete	\$0	528	\$2,243	\$8,843
21) Walsh Lake Diversion Ditch	habitat	complete	\$800	120	\$22,000	\$24,300
22) Strawberry Creek Planting	habitat	complete	\$0	160	\$1,200	\$3,200
23) Auburn Narrows Planting	habitat	complete	\$100	240	\$3,600	\$6,700
24) Farm Forestry Program 1997	habitat	complete	\$0	1288	\$3,600	\$19,700
25) Habitat Partners Program	habitat	ongoing	\$0	900	\$30,000	\$41,250
26) Mid-Sound Plant Salvage	habitat	ongoing	\$0	300	\$9,000	\$12,750
Administrative Costs			\$2,700	0	\$20,000	\$22,700
Other Misc. Contributions			\$0	0	\$3,500	\$3,500
Totals			\$18,162	7053	\$234,463	\$340,788
Total Project Budget 7/1/96 - 6/30/97			\$340,788			
Total RFEG Funds			\$18,162			
All Other Contributions			\$322,626			
Ratio			1 : 17.76			

Region 5

South Puget Sound
Salmon Enhancement Group



Region 5 South Puget Sound Salmon Enhancement Group

SPSSEG
PO Box 636
Olympia, WA 98507-0636
(206) 845-9787

Board of Directors

Bruce Verhei	President
Blake Smith	Vice President
Richard Johnson	Treasurer
Brian Abbott	Secretary
Mary Brown	Board Member
Larry Oathout	Board Member
Ken Manning	Board Member

The South Puget Sound Salmon Enhancement Group includes all streams that flow into south Puget Sound, as defined by the King - Pierce county line on the east side of the Sound, and roughly the Pierce - Kitsap line on the west side of the Sound. The major drainages in this area are the Puyallup River and the Nisqually River, although much of this area is dominated by small and mid-sized streams. This area is populated with several hatcheries such as Chambers Creek, Minter Creek, Coulter Creek, McAllister Creek, and Voigts Creek. Volunteers in this area must overcome the impacts of urbanization and suburban sprawl in order to enhance salmon numbers.

SPSSEG has created partnerships with a variety of groups, including the Longbranch Improvement Club, David Evans and Associates, Olympic Forestry, Taylor United, Miles Sand and Gravel, Pierce, Thurston, and Mason County Conservation Districts, Trout Unlimited, Washington Conservation Corps, the Puyallup Tribe, the Squaxin Tribe, the City of Tumwater, the City of Olympia, Pierce, Thurston, Lacey, and Olympia Stream Teams, and the US Fish and Wildlife Service.

For the fiscal year 7-1-96 to 6-30-97, the South Sound group completed or continued work on six enhancement projects approved during the previous fiscal year, and received approval to begin eight new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) School House Creek Fish Passage Repair (#58260134)* July 1995 - Dec 1996

This is a project that first began in 1994. A culvert on a Pierce County road had created a barrier to anadromous fish passage. The Longbranch Community Improvement Club along with the SPSSEG installed three log weirs downstream of the culvert to create a fishway. Due to a series of heavy storm this project required repair efforts in both 1995 and 1996. The good news is the structure has provided improved fish passage since 1994.

Project Sponsor	Longbranch Improvement Club	Allocated Funds	\$ 750
		Amount Spent	\$ 727
Project Status	Complete	Volunteer Hours	100 = \$ 1,250
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 1,957

2) South Prairie Creek Riparian Enhancement (#58260851) Jan 1996 - Dec 1997

These funds were used to purchase native conifers (Sitka spruce, western redcedar, and western hemlock) to revegetate 400 feet of riparian zone previously logged. Volunteer labor was used to plant the trees.

Project Sponsor	John & Kathy Loye (landowners)	Allocated Funds	\$ 800
		Amount Spent	\$ 527
Project Status	Ongoing	Volunteer Hours	48 = \$ 600
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 1,127

3) Murray Creek Spawning Channel (#58260856) Jan 1996 - Dec 1997

This ambitious project calls for the creation of an 1,800 foot spawning channel on Murray Creek, from design to construction. A Site Development Plan is being produced, incorporating fish and wildlife, vegetation, hydrology, and soil assessment.

Project Sponsor	SPSSEG	Allocated Funds	\$ 10,800
Project Status	Ongoing	Amount Spent	\$ 7,850
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 7,850

*Contract numbers are shown for those projects funded with RFEG funds.

4) Deschutes River Oxbow Enhancement (#58260857)

Jan 1996 - Dec 1997

This project is for design work to reconnect a highly productive oxbow to the Deschutes River by replacing the existing culvert. The engineer produced two options: a bridge structure (cost estimate \$70,000) or a new culvert (cost estimate \$20,000). Efforts are now underway to find construction funds.

Project Sponsors	SPSSEG	Allocated Funds	\$ 3,800
Project Status	Complete	Amount Spent	\$ 3,600
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 7,850

5) Pierce County Conservation District Revegetation (#58261145)

Apr 1996 - Dec 1997

These funds were used to support several Pierce County Conservation District revegetation projects. Several different species of native riparian vegetation were purchased in quantity for future planting projects.

Project Sponsor	Pierce County Conservation District	Allocated Funds	\$ 2,000
Project Status	Complete	Amount Spent	\$ 2,000
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,000

6) Moxlie Creek Habitat Enhancement (#58270082)

Apr 1996 - Dec 1997

This was a joint project between SPSSEG, Olympia Stream Team, and the Olympia Chapter of Trout Unlimited. The goal of the project was to place spawning gravels in existing spawning platforms and add logs and rock to narrow the stream channel and increase flow over the spawning gravels. The project also included the construction of sediment traps to reduce the siltation entering the spawning areas.

Project Sponsors	City of Olympia, Trout Unlimited	Allocated Funds	\$ 4,007
Project Status	Complete	Amount Spent	\$ 3,826
Project Type	Habitat	Volunteer Hours	100 = \$ 1,250
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,076

7) Deschutes River Bioengineering (#58261144)

Apr 1996 - Dec 1997

The purpose of this project was to stabilize 1,100 feet of bank that is eroding into the Deschutes River at the rate of 10 feet per year. The funds were used to purchase supplies such as root wads,

logs, filter cloth, rock, and native plants for revegetation. Total cost of this project was \$26,700, with other contributions coming from WDFW, Trout Unlimited, Thurston County Conservation District, and the Washington Department of Ecology. The repair is functioning as designed.

Project Sponsor	Thurston County Conservation District	Allocated Funds	\$ 7,500
		Amount Spent	\$ 7,500
Project Status	Complete	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 19,200
		Total Project Cost	\$ 26,700

RFEG Projects Approved in FY 97

8) Fish Culvert Design Project (#58270067)

July 1996- June 1997

These funds were used to hire a private engineering firm to design fish passage for three separate projects. David Evans and Associates produced three comprehensive assessment reports at a cost of \$13,600, but only charged SPSSEG \$3,800. The remaining \$9,800 was an in-kind contribution. Construction funds for the three projects, Fuller Fish Ladder, Little Red Salmon Creek Fish Passage, and the Wynne Road Culvert, were not part of this contract.

Project Sponsor	David Evans and Asso.	Allocated Funds	\$ 3,900
Project Status	Complete	Amount Spent	\$ 3,800
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 9,800
		Total Project Cost	\$ 13,600

9) Fuller Fish Ladder Project (#58270886)

Mar 1997 - Dec 1997

SPSSEG will be working with landowner Keith Fuller to construct a fish ladder to pass salmon above an existing pond-outlet culvert on an unnamed tributary to Mill Creek in Shelton. Up to two miles of habitat, both spawning and rearing, will be gained. The present culvert empties onto rip-rap, resulting in high fish mortality during the spawning runs. Other contributors to this project include David Evans and Associates, the Mason Conservation District, and the US Fish and Wildlife Service.

Project Sponsor	Keith Fuller, landowner	Allocated Funds	\$ 3,550
Project Status	Ongoing	Amount Spent	\$ 3,315
Project Type	Habitat	Volunteer Hours	200 = \$ 2,500
		Other Contributions	\$ 4,485
		Total Project Cost	\$ 10,300

10) Chapparel Road Culvert Replacement (#58271084) July 1997 - June 1998

This is a cooperative project between the City of Tumwater, WDFW, and SPSSEG. The goal of this project is to replace a partially blocking culvert on Percival Creek and improve anadromous fish passage. (A recently released WDFW on blocking culverts in Thurston County listed this culvert as the #3 priority project in the county.) This correction will benefit coho, chinook, steelhead, and cutthroat trout.

Project Sponsor	City of Tumwater	Allocated Funds	\$ 1,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

11) Fish Passage Project Support (#58271085) Apr 1997- June 1998

The South Puget Sound Salmon Enhancement Group had several fish passage projects in various stages of completion, but needed funding to finish the work. These funds will support those various efforts, including the Little Red Salmon culvert listed in project #7 above.

Project Sponsor	SPSSEG	Allocated Funds	\$ 19,500
Project Status	Ongoing	Amount Spent	\$ 10,598
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 10,598

12) Salmon Creek Riparian Fencing (#58271086) Apr 1997- June 1998

This is a riparian fencing and revegetation project to exclude livestock from a 330 foot section of Salmon Creek in Sumner. The Natural Resource Conservation Service completed a site assessment and restoration plan, which is being followed in the implementation of this project.

Project Sponsor	Pierce County Conservation District	Allocated Funds	\$ 1,254
		Amount Spent	\$ 302
Project Status	Ongoing	Volunteer Hours	30 = \$ 375
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 677

13) Woodland Creek Park Project (#58271088) Apr 1997- June 1998

SPSSEG will plant native vegetation along an 800' section of Woodland Creek to re-establish a riparian area. This area's land used has recently changed from agricultural to a passive use city

park. This project is in cooperation with the Lacey Stream Team and Seven Oaks Elementary School.

Project Sponsor	Lacey Stream Team	Allocated Funds	\$ 500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

14) Kennedy Creek Salmon Trail (#58271089) Apr 1997 - Dec 1998

This innovative project entails creating an interpretive trail and public access for educational purposes along Kennedy Creek in Thurston County. This effort is being shared among several partners, including the US Fish and Wildlife Service, the Squaxin Indian Tribe, the Mason County Conservation District, Trout Unlimited, and Taylor United (landowner). The partnership is working toward securing funds for the trail and an interpretive site; these funds are being used to hire a consultant to finalize a conceptual plan and submit funding proposals.

Project Sponsor	Multiple Partners	Allocated Funds	\$ 2,500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Outreach	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

15) Stream Team Creek Revegetation Project (#58271090) Apr 1997- June 1998

These funds will be used by the Pierce County Stream Team to purchase plants for a revegetation project along Wapato Creek in Fife. Approximately 350 plants will be planted along a 237 foot section of creek. Plant species includes Sitka willow, Hooker willow, red-osier dogwood, and salmonberry. Labor will be provided by Fife High School students and Stream Team volunteers.

Project Sponsor	Pierce Cty Stream Team	Allocated Funds	\$ 2,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

16) Vaughn Creek Revegetation Project (#58271091) Apr 1997- June 1998

This project will revegetate a stream and wetland complex damaged by flooding during the winter of 96-97. A storm-water retention pond failed, causing heavy siltation in the stream and

blanketing much of the riparian vegetation under a layer of mud. This projec will revegetate the area to stabilize the streambank and prevent further siltation damage to the stream.

Project Sponsor	SPSSEG	Allocated Funds	\$ 800
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Administrative Costs

In addition to the above mentioned projects, SPSSEG spent \$15,659 during the 96-97 fiscal year on various administrative needs.

Amount Spent	\$ 7,259
Volunteer Hours	840 = \$ 10,500
Other Contributions	\$ 0
Total Admin Costs	\$ 17,759

Other Activities - Not Reported Above

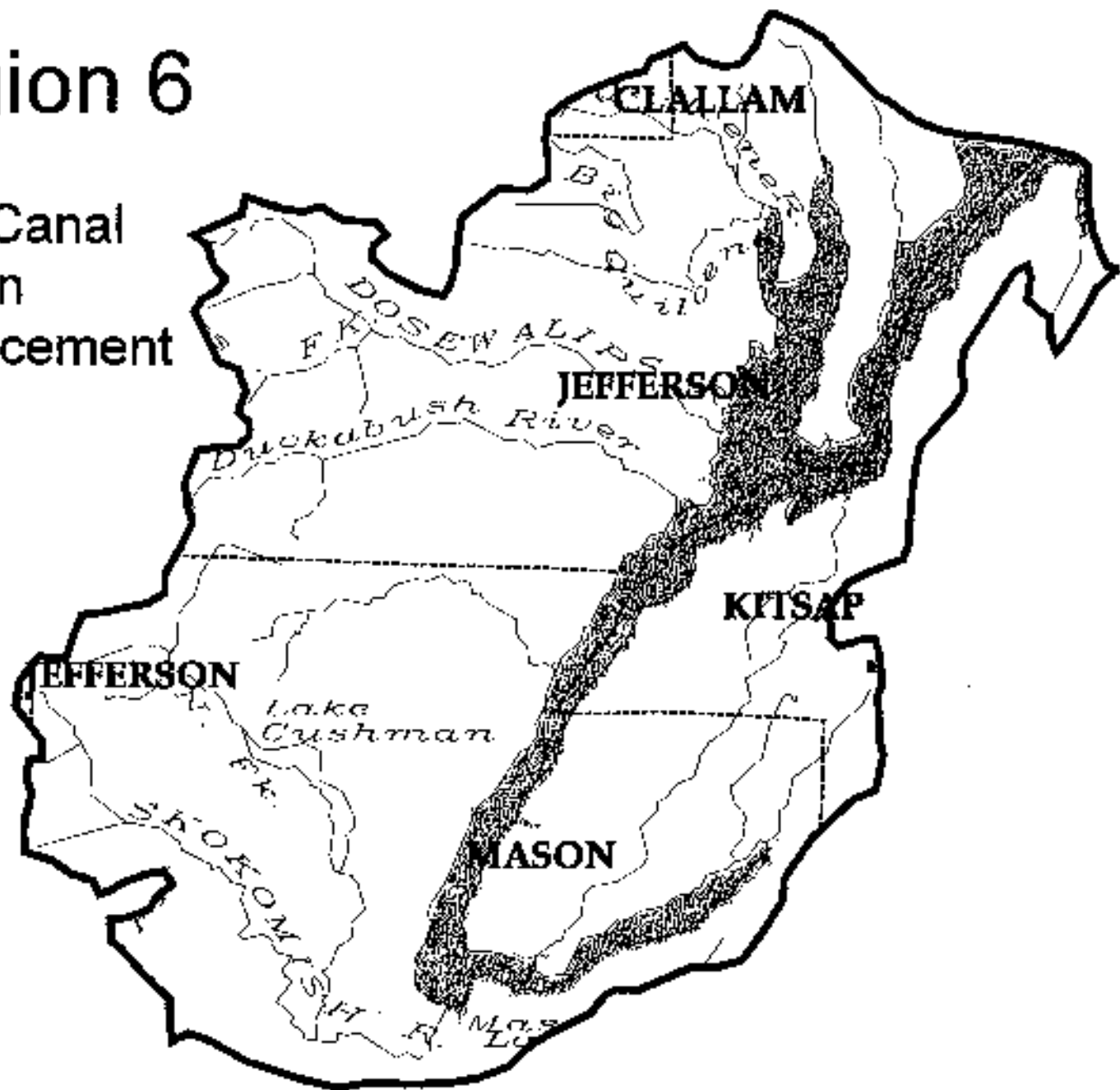
- Produced quarterly newsletter
- Created databases for project information and for member information.
- Conducted monthly board meetings and semi-monthly general membership meetings.
- Membership Contributions: \$630

South Puget Sound SEG Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) School House Creek	habitat	complete	\$727	100	\$0	\$1,977
2) South Prairie Creek Riparian	habitat	ongoing	\$527	48	\$0	\$1,127
3) Murray Creek Spawning Channel	habitat	ongoing	\$7,850	0	\$0	\$7,850
4) Deschutes River Oxbow	habitat	complete	\$3,600	0	\$0	\$3,600
RFEG PROJECTS (FY 97)						
5) Pierce Cty Cons. Dist. Reveg	habitat	complete	\$2,000	0	\$0	\$2,000
6) Moxlie Creek Habitat	habitat	complete	\$3,826	100	\$0	\$5,076
7) Deschutes River Bioengineering	habitat	complete	\$7,500	0	\$19,200	\$26,700
8) Fish Culvert Design	habitat	complete	\$3,800	0	\$9,800	\$13,600
9) Fuller Fish Ladder	habitat	ongoing	\$3,315	200	\$4,485	\$10,300
10) Chapparel Road Culvert	habitat	approved	\$0	0	\$0	\$0
11) Fish Passage Support	habitat	ongoing	\$10,598	0	\$0	\$10,598
12) Salmon Creek Riparian Fencing	habitat	ongoing	\$302	30	\$0	\$677
13) Woodland Creek Park Project	habitat	approved	\$0	0	\$0	\$0
14) Kennedy Creek Salmon Trail	outreach	approved	\$0	0	\$0	\$0
15) Stream Team Revegetation	habitat	approved	\$0	0	\$0	\$0
16) Vaughn Creek Revegetation	habitat	approved	0	0	0	\$0
Administrative Costs			\$7,259	840	\$0	\$17,759
Other Misc. Contributions			\$0	0	\$603	\$603
Totals			\$51,304	1318	\$34,088	\$101,867
Total Project Budget 7/1/96 - 6/30/97			\$101,867			
Total RFEG Funds			\$51,304			
All Other Contributions			\$50,563			
Ratio			1 : 0.99			

Region 6

Hood Canal
Salmon
Enhancement
Group



Region 6 Hood Canal Salmon Enhancement Group

HCSEG
PO Box 2169
Belfair, WA 98528
(360) 275-3575

Eileen Palmer
Administrative Assistant

Board of Directors

Al Adams	Executive Director
Butch Boad	President
Neil Werner	Vice President
Bob Hager	Treasurer
Earl Sande	Secretary
Rick Endicott	Board Member
Pat McCullough	Board Member
Sue Hayward	Board Member
Gordy George	Board Member
Dewayne Vetter	Board Member
Bob Sund	Board Member
Jim Cady	Board Member

The Hood Canal Salmon Enhancement Group includes all streams that empty into Hood Canal, south of the Hood Canal Floating Bridge. The Skokomish River is the largest drainage flowing into Hood Canal, although the Dosewalips, Duckabush, and Hamma Hamma Rivers are also significant sized rivers. These snow and glacier-fed streams start high in the Olympic Mountains and descend steeply into the west side of Hood Canal, creating very specific rearing conditions for salmon. Not surprisingly, most Hood Canal stocks are genetically distinct from Puget Sound and coastal salmon. On the east side of Hood Canal, flowing from the Kitsap Peninsula, the streams include Big Beef Creek, the Dewatto River, the Tahuya River, and the Union River.

Perhaps the largest negative impact to Hood Canal salmon is the two Tacoma City Light hydroelectric dams located on the North Fork of the Skokomish River, which block 25 miles of mainstem river. Another factor which limits salmon production is the large number of naturally impassible falls and cascades, the result of the area's steep gradient. Development pressures on the Kitsap Peninsula are a third factor, with many streams in Mason County being affected by impassable road culverts.

For the fiscal year 7-1-96 to 6-30-97, the Hood Canal group completed one enhancement project approved during the previous fiscal year and received approval to begin four new enhancement projects. The Hood Canal group also conducted seven projects with outside funding.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Lilliwaup Brood Stock Project 1 (#58260867)*

Jan 1996 - Dec 1996

This funding was used for the continued support of rearing and research operations at the private brood-stock facility operated by Long Live the Kings on Lilliwaup Creek. The facility was being used for a captive brood coho project studying the effect of in-breeding on coho salmon, in reponse to hatchery vs. wild fish issues. State, federal, and tribal agencies are involved in these studies. The facility also rears 100,000 chinook yearlings.

Project Sponsor	Long Live the Kings	Allocated Funds	\$ 8,500
Project Status	Complete	Amount Spent	\$ 8,500
Project Type	Production	Volunteer Hours	96 = \$ 1,200
		Other Contributions	\$ 0
		Total Project Cost	\$ 9,700

RFEG Projects Approved in FY 97

2) Beagle Springs (Tahuya) Fall Chum (#58261476)

Nov 1996- June 1997

This project was to incubate 10,000 chum eyed eggs as an educational tool. The eggs were hatched and released into the Tahuya River. Although this was approved as a RFEG project, the allocated funds were not needed.

Project Sponsor	Hood Canal SEG	Allocated Funds	\$ 150
Project Status	Complete	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	3 = \$ 38
		Other Contributions	\$ 0
		Total Project Cost	\$ 38

3) Lilliwaup Summer Chum (#58270079)

Aug 1996- June 1997

This project called for the Hood Canal group to spawn as many adult summer chum as necessary to take 75,000 fertilized eggs. The eggs were to be hatched at the Long Live the Kings facility on Lilliwaup Creek and volitionally released into the stream. The funds requested were for any necessary fish food.

Project Sponsor	Long Live the Kings	Allocated Funds	\$ 150
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	20 = \$ 250
		Other Contributions	\$ 0
		Total Project Cost	\$ 250

*Contract numbers are shown for those projects funded with RFEG funds.

4) Big Beef Creek Fall Chinook (#58270080)

Aug 1996- June 1997

The Hood Canal group entered into an agreement with the University of Washington to rent their research facility on Big Beef Creek and use it for fish culture. This long term project is now in its sixth year of operation. Volunteers capture and spawn fall chinook returning to the creek, incubate the eggs, and reared up to 160,000 smolts, which are released back into the stream. The funds requested are for facility rental and fish food.

Project Sponsor	Hood Canal SEG	Allocated Funds	\$ 12,500
Project Status	Ongoing	Amount Spent	\$ 11,126
Project Type	Production	Volunteer Hours	270 = \$ 3,375
		Other Contributions	\$ 0
		Total Project Cost	\$ 14,501

5) Lilliwaup Broodstock Project 2 (#582703308)

Jan 1997 - Dec 1997

This is a continuation of the Lilliwaup Broodstock Project 1 listed above.

Project Sponsor	Long Live the Kings	Allocated Funds	\$ 8,500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

6) Huson Pond Net Pen (#58270332)

Dec 1996- June 1997

The Hood Canal group requested these funds to perform miscellaneous repairs on net pens at Huson Pond, and for fish food.

Project Sponsor	Hood Canal SEG	Allocated Funds	\$ 600
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Other Funded Projects

7) Federal Grant

The Hood Canal SEG, in cooperation with Long Live the Kings (a separate non-profit group), was granted \$200,000 from the federal government, through the US Fish and Wildlife Service. The Hood Canal portion of the grant was \$100,000, which has been used to fund 2.5 staff and

conduct the following projects.

Six Wild Chinook Conservancy Projects - These projects consist of rearing chinook eggs in an RSI (remote site incubator) which empties into a specially designed rearing pond. These ponds are left in their natural state with the exception of an underwater feeding system and some minor modifications at the outlet to allow for volunteers to monitor the out-migration. The goal of these projects is to re-establish wild runs of chinook salmon to six Hood Canal streams: the Dewatto River, the Duckabush River, the Hamma Hamma River (John's Creek), the Skokomish River, the Tahuya River (Allen Creek), and the Union River (Huson Creek).

The Hamma Hamma River Project - Hood Canal SEG is one of seven local, state, federal, and tribal partners in this 12 year old project to restore all salmon runs to the Hamma Hamma River.

Dewatto River Culvert Pilot - \$30,000 has been allocated to start work on the repair of four fish-blocking culverts on the Dewatto River in Mason County. These repairs will open 7 miles of excellent coho habitat. It is anticipated that more funding will be needed to complete the effort.

Project Sponsor	USFWS	Grant Funds	\$100,000
Project Status	Ongoing	Volunteer Hours	1017 = \$ 12,713
Project Type	Habitat & Production	Other Contributions	\$ 0
		Total Project Cost	\$112,713

Administrative Costs

In addition to the above mentioned projects, the Hood Canal SEG spent \$20,569 during the 96-97 fiscal year on various administrative needs. This includes a part-time staff person, office expenses (rent, phone, electricity, office supplies, postage, etc.), and the purchase of a computer system. These expenses made it possible for the Hood Canal group to improve project coordination, increase outreach efforts, and acquire the \$200,000 in federal money mentioned above.

Amount Spent	\$ 20,569
Volunteer Hours	598 = \$ 7,475
Other Contributions	\$ 0
Total Admin Costs	\$ 28,044

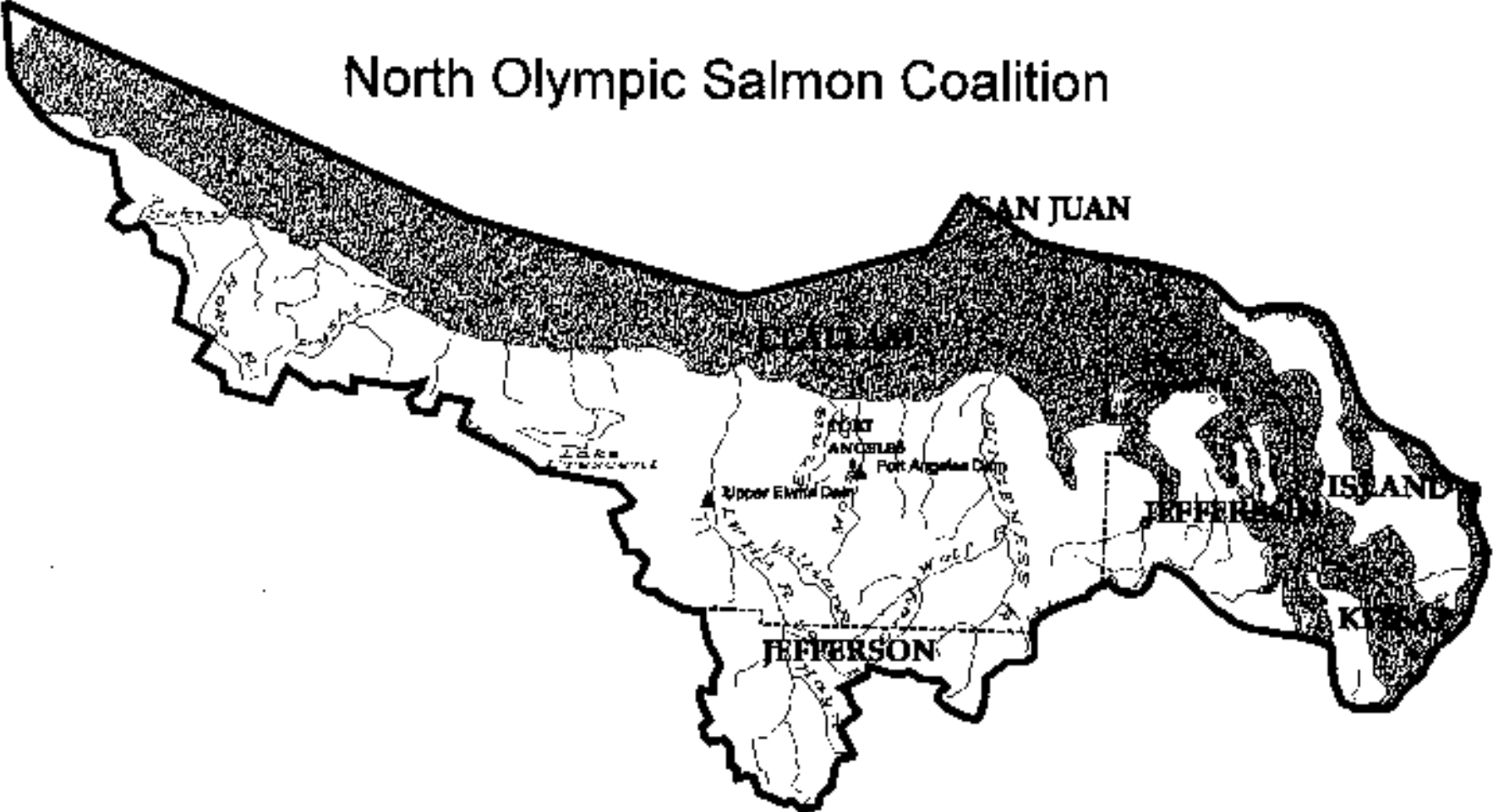
Hood Canal SEG Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Lilliwaup Broodstock 1	production	complete	\$8,500	96	\$0	\$9,700
RFEG PROJECTS (FY 97)						
2) Beagle Springs Fall Chum	production	complete	\$0	3	\$0	\$38
3) Lilliwaup Summer Chum	production	ongoing	\$0	20	\$0	\$250
4) Big Beef Creek Fall Chinook	production	ongoing	\$11,126	270	\$0	\$14,501
5) Lilliwaup Broodstock 2	production	approved	\$0	0	\$0	\$0
6) Huson Pond Net Pen	production	approved	\$0	0	\$0	\$0
OTHER FUNDED PROJECTS						
7) Federal Grant	product & hab	ongoing	\$0	1017	\$100,000	\$112,713
Administrative Costs			\$20,569	598	\$0	\$28,044
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$40,195	2004	\$100,000	\$165,245

Total Project Budget 7/1/96 - 6/30/97 **\$165,245**
Total RFEG Funds **\$40,195**
All Other Contributions **\$125,050**
Ratio **1 : 3.11**

Region 7

North Olympic Salmon Coalition



Region 7 North Olympic Salmon Coalition

NOSC
PO Box 699
Pt. Townsend, WA 98368
(360) 379-8051
(360) 385-9329 (fax)

Cheri Scalf
Administrative Assistant

Member

Board of Directors

Bart Phillips	President
Walt Blendermann	Secretary
Tom Ammeter	Treasurer
Pete Schroeder	Board Member
Doug Morrill	Board Member
Ted Schmidt	Board Member
Hansi Hals	Board Member
Ray Lowrie	Board Member
Harry Bell	Board Member
Curtis Dawley	Board

The North Olympic Salmon Coalition (NOSC) includes all streams that empty into the Strait of Juan de Fuca. This includes streams on the Olympic Peninsula from the Hood Canal Floating Bridge west to Cape Flattery, and the southern half of Whidby Island. The major drainages in this area are the Dungeness and Elwha rivers. Volunteers in this area face the challenge of blending the needs of salmon with the area's historic and continued reliance on the timber industry. The greatest impacts to salmon production in this area are the two dams on the Elwha River and the habitat degradation of the Dungeness River (gravel instability, diking, and lack of in-stream structure), much of which is beyond the scope of local volunteers.

NOSC's Board of Directors has representation from sport and commercial fisherman, and tribal, timber, environmental, and agricultural interests throughout the region. The membership and volunteer base is approximately 100 people. In addition, NOSC has developed working partnerships with the US Forest Service, Washington State Department of Natural Resources, Wild Olympic Salmon, Jefferson and Clallam County Conservation Districts, the Olympic Peninsula Foundation, the Jamestown S'Klallam, the Port Gamble S'Klallam, and the Elwha S'Klallam Tribes, Peninsula Community College, and several local schools.

For the fiscal year 7-1-96 to 6-30-97, NOSC completed three enhancement projects approved during the previous fiscal year, and received approval to begin eight new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Riparian Revegetation - Jefferson County (#58260768)* Nov 1995 - Sept 1996

This funding was used to purchase native plants (NW conifers, alder, red-ozier dogwood, etc.) for planting along several streams in Jefferson County, using volunteer labor. Among the streams revegetated were Chemicum Creek, Andrews Creek, Tarboo Creek, and Jakeway Creek.

Project Sponsor	NOSC	Allocated Funds	\$ 1,312
Project Status	Complete	Amount Spent	\$ 1,266
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 958
		Total Project Cost	\$ 2,224

2) Lower Snow Creek Restoration (#58261142) Apr 1996- Dec 1996

This was a large scale habitat restoration project to restore a creek damaged from excess sediment. The pools and riffles of Snow Creek were filled with gravel, resulting in a loss of fish habitat. Also, the creek bed was raised, increasing the frequency and intensity of flooding. This project corrected the channel constriction and deepened the streambed by 3 feet over the course of 1 mile. In-stream structures were installed to stabilize the streambed, and volunteers replanted the stream bank to stabilize it. This project benefits steelhead, summer chum, and coho salmon.

Project Sponsors	Jefferson County Conservation District, Jobs for the Environment, Wild Olympic Salmon, and the Olympic Peninsula Foundation		
Project Status	Complete	Allocated Funds	\$ 5,000
Project Type	Habitat	Amount Spent	\$ 5,000
		Volunteer Hours	60 = \$ 750
		Other Contributions	\$166,200
		Total Project Cost	\$171,950

3) Cooper Creek Coho Pond (#58260508) Oct 1995 - Oct 1996

This is phase two of a two part restoration project. Phase one restored the creekbed and banks of Cooper Creek. This project, phase two, created a coho overwintering pond from an existing shallow wetland that drains to the creek. The pond was dredged to six feet deep in several places, and the shoreline was planted with native vegetation.

Project Sponsor	private landowner	Allocated Funds	\$ 5,000
Project Status	Complete	Amount Spent	\$ 5,000
Project Type	Habitat	Volunteer Hours	40 = \$ 500
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,500

*Contract numbers are shown for those projects funded with RFEG funds.

4) Salmon Creek Summer Chum Restoration (#58261181) May 1996- Apr 1997

This project is part of an ongoing effort to restore wild summer chum salmon to Salmon Creek and other local streams. A portion (up to 20%) of the summer chum run in Salmon Creek is captured for broodstocking. Their eggs are artificially spawned, hatched in RSIs, and reared in saltwater net pens. The fry are marked with thermal otolith marks for future identification. This funding was for continued project expenses (rent, alarm system, filter system installation, etc.) In April of 1996, 62,000 juvenile summer chum were released from the Discovery Bay net pens.

Project Sponsor	Wild Olympic Salmon	Allocated Funds	\$ 1,700
Project Status	Complete	Amount Spent	\$ 1,700
Project Type	Production	Volunteer Hours	487 = \$ 6,088
		Other Contributions	\$ 2,400
		Total Project Cost	\$ 10,188

RFEG Projects Approved in FY 97

5) Swansonville Culvert Replacement (#58270081) July 1996- June 1997

NOSC used these funds to assist in a culvert replacement and habitat restoration project. This large scale project included bridge construction, log-weir placement, remeandering of streambed, rearing pond construction, livestock exclusion fencing, and revegetation of stream banks.

Project Sponsors	Jefferson County Conservation District, Jobs for the Environment, Olympic Peninsula Foundation, Wild Olympic Salmon, USDA Farm Services, and Pope Resources (landowners)		
Project Status	Complete	Allocated Funds	\$ 2,000
Project Type	Habitat	Amount Spent	\$ 2,000
		Volunteer Hours	260 = \$ 3,250
		Other Contributions	\$ 49,980
		Total Project Cost	\$ 55,230

6) Cole Gravel Placement (#58270082) July 1996- Oct 1996

This funding was used for the installation of 100' of spawning gravel in Meadowbrook Creek. The section of creek improved is private property owned by Mr. Claude Cole, the project sponsor.

Project Sponsor	Claude Cole	Allocated Funds	\$ 880
Project Status	Complete	Amount Spent	\$ 863
Project Type	Habitat	Volunteer Hours	20 = \$ 250
		Other Contributions	\$ 0

Total Project Cost \$ 1,113

7) Greywolf Acclimation Pond (#58270083) July 1996- Oct 1997

These funds provide a portion of the total cost of an acclimation pond for the Dungeness Chinook Captive Broodstock Program, which was designed to preserve the threatened native run on the Dungeness River. This project involves a large volunteer effort in developing and monitoring the site, feeding fish, and the construction of a trail to the rearing ponds.

Project Sponsor	US Fish and Wildlife Service	Allocated Funds	\$ 5,000
		Amount Spent	\$ 2,752
Project Status	Ongoing	Volunteer Hours	391 = \$ 4,888
Project Type	Production	Other Contributions	\$ 0
		Total Project Cost	\$ 7,640

8) Salmon Creek Sediment Control (#58270084) July 1996- June 1997

This project involved removal of accumulated sediment (dredging) at Houck's Pond, the water source for the Salmon Creek Summer Chum Hatchery. It included constructing a screen at the intake to reduce sediment flow into the hatchery. The use of excavating equipment, sandbags, quarry rock, aluminum screen, logs, hay, seed, and welding services were all donated. This project used no RFEG funds.

Project Sponsors	Wild Olympic Salmon, Jefferson County Conservation District	Allocated Funds	\$ 650
		Amount Spent	\$ 0
		Volunteer Hours	100 = \$ 1,250
Project Status	Complete	Other Contributions	\$ 800
Project Type	Production	Total Project Cost	\$ 2,050

9) Stingle Fencing Project (#58270718) Dec 1996- Sept 1997

NOSC will purchase fencing materials for 1250' of East Fork Chimicum Creek and install a livestock watering facility. A Jobs for the Environment crew will provide labor, and the Jefferson County Conservation District will provide project oversight. The project is scheduled for completion in the summer of 1998.

Project Sponsor	Jefferson County Conservation District	Allocated Funds	\$ 500
		Amount Spent	\$ 0
Project Status	Ongoing	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 0

10) Summer Chum Net Pen (#58270719)
Dec 1996 - May 1997

This is another part of the ongoing Salmon Creek Summer Chum Restoration project (See project #3 above). These funds were used to purchase a second net pen and construction materials for a second float for rearing chum fry in Discovery Bay prior to their release.

Project Sponsor	Wild Olympic Salmon	Allocated Funds	\$	810
Project Status	Complete	Amount Spent	\$	810
Project Type	Production	Volunteer Hours	50 =	\$ 625
		Other Contributions	\$	0
		Total Project Cost	\$	1,435

11) Riparian Revegetation (#58270721)
Dec 1996- June 1997

This funding was used to purchase native plants (NW conifers, alder, red-osier dogwood, etc.) for planting along several streams in Jefferson County. A Jobs for the Environment crew provided labor. Among the streams revegetated were Snow, Andrews, Tarboo, and Jakeway creeks.

Project Sponsor	Jefferson Cty Conservation District, Wild Olympic Salmon, Olympic Peninsula Foundation	Allocated Funds	\$	3,425
Project Status	Complete	Amount Spent	\$	3,415
Project Type	Habitat	Volunteer Hours	84 =	\$ 1,050
		Other Contributions	\$	6,150
		Total Project Cost	\$	10,615

12) Schmidt Fencing Project (#58270772)
Jan 1997- Dec 1997

NOSC will purchase fencing materials for installation along Chemicum Creek. This project will exclude livestock from 600' of the creek.

Project Sponsor	Jefferson County Conservation District	Allocated Funds	\$	250
Project Status	Ongoing	Amount Spent	\$	0
Project Type	Habitat	Volunteer Hours	\$	0
		Other Contributions	\$	0
		Total Project Cost	\$	0

Other Funded Projects
13) Meadowbrook Creek Smolt Trap

Region 7-6

This project involves the annual installation and monitoring of a smolt trap on Meadowbrook Creek during the spring months. The purpose of this trap is to evaluate the habitat restoration efforts which were completed in the summer of 1995. The trap is monitored twice daily by volunteers who are responsible for tallying downstream migrants, cleaning the screens of debris, and maintaining water flow through the trap. This past spring's results showed a dramatic increase in the number of coho smolts utilizing the upstream rearing habitat.

Project Sponsor	NOSC	Allocated Funds	\$ 0
Project Status	Complete	Amount Spent	\$ 0
Project Type	Research	Volunteer Hours	99 = \$ 1,238
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,238

14) Dungeness Nutrient Enrichment Program

Recent research has shown that salmon carcasses contribute a very significant percentage of nutrients to the riparian corridor. NOSC volunteers distributed over 4,000 coho carcasses into the upper Dungeness/Greywolf watershed in order to return these much needed nutrients into the system. The carcasses were monitored for distribution, rate of decomposition, and predation.

Project Sponsor	NOSC	Allocated Funds	\$ 0
Project Status	Complete	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	178 = \$ 2,225
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,225

Administrative Costs

In addition to the above mentioned projects, NOSC spent \$6,970 during the 96-97 fiscal year to maintain an office, to employ an 3/4 time administrative assistant, and various other administrative needs.

Allocated Funds	\$ 11,000
Amount Spent	\$ 6,970
Volunteer Hours	200 = \$ 2,500
Other Contributions	\$ 1,000
Total Admin Costs	\$ 10,470

NOSC Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Riparian Revegetation Jeff. Cty.	habitat	complete	\$1,266	0	\$958	\$2,224
2) Lower Snow Creek Restoration	habitat	complete	\$5,000	60	\$166,200	\$171,950
3) Cooper Creek Coho Pond	habitat	complete	\$5,000	40	\$0	\$5,500
4) Salmon Creek Summer Chum	production	complete	\$1,700	487	\$2,400	\$10,188
RFEG PROJECTS (FY 97)						
5) Swansonville Culvert Replace.	habitat	complete	\$2,000	260	\$49,980	\$55,230
6) Cole Gravel Placement	habitat	complete	\$863	20	\$0	\$1,113
7) Greywolf Acclimation Pond	production	ongoing	\$2,752	391	\$0	\$7,640
8) Salmon Creek Sediment Control	production	complete	\$0	100	\$800	\$2,050
9) Stingle Fencing Project	habitat	ongoing	\$0	0	\$0	\$0
10) Summer Chum Net Pen	production	complete	\$810	50	\$0	\$1,435
11) Riparian Revegetation	habitat	complete	\$3,415	84	\$6,150	\$10,615
12) Schmidt Fencing Project	habitat	ongoing	\$0	0	\$0	\$0
OTHER FUNDED PROJECTS						
13) Meadowbrook Creek Smolt Trap	research	complete	\$0	99	\$0	\$1,238
14) Dungeness Nutrient Enrichment	habitat	complete	\$0	178	\$0	\$2,225
Administrative Costs			\$6,970	200	\$1,000	\$10,470
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$24,776	1929	\$227,488	\$276,377
Total Project Budget 7/1/96 - 6/30/97			\$276,377			
Total RFEG Funds			\$24,776			
All Other Contributions			\$251,601			
Ratio			1 : 10.16			

Region 8

Pacific Coast Salmon Coalition



Region 8 Pacific Coast Salmon Coalition

Pacific Coast Salmon Coalition
PO Box 2527
Forks, WA 98331

Board of Directors

Craig Bowhay	President
Wayne Haag	Vice President
Terry Sullivan	Treasurer
Ron Shearer	Secretary
Phillip Borde	Board Member
Peter Duranceau	Board Member

The Pacific Coast Salmon Coalition includes the western portion of the Olympic Peninsula north of the Chehalis River drainage and south of Cape Flattery. This region covers parts of three counties; Clallam, Jefferson, and Grays Harbor. There are several significant rivers in this region, including the Soleduck / Bogachiel / Quillayute complex, the Hoh River, the Queets River, and the Quinault River. As is true on the east side of the Olympic Peninsula, these rivers are glacial-fed and have a short but steep drop to marine water. Unlike the east side, where rivers empty into the protected waters of Hood Canal, these rivers empty into the unprotected and often harsh conditions of the Pacific Ocean.

Much of this area is within the Olympic National Park, the Olympic National Forest, or one of several Native American reservations. The headwaters in the park are generally “pristine” and not in need of restoration efforts. However much of the region outside the park boundaries has been logged.

Volunteers in this region face two major challenges. First, they must blend the needs of salmon with the area’s economic dependence on fishing and logging. Second, because so much of their region is in public lands, they must coordinate their efforts with these other land owners.

For the fiscal year 7-1-96 to 6-30-97, the Pacific Coast Salmon Coalition continued or completed two enhancement projects approved during previous fiscal years, received approval to begin four new enhancement projects. In addition, they were awarded one grant, which was used for a basin-wide habitat enhancement and assessment project.

RFEG Projects Approved in Prior Fiscal Year(s)

1) North Fork Calawah Culvert Replacement (#58260959)* Apr 1996 - Oct 1996

This ambitious project was a joint effort between the Pacific Coast Salmon Coalition and the US Forest Service to correct a fish passage problem at an existing forest service-road culvert. Approximately 1/4 mile of habitat on a small, unnamed tributary to the North Fork Calawah River was cut off to native coho and chinook salmon. The project consisted of replacing the culvert, repositioning it lower, and installing log weirs to control down cutting of the stream bed. The cost of the project was split between the two cooperating bodies, and USFS supervised the work.

Project Sponsor	US Forest Service	Allocated Funds	\$ 22,700
Project Status	Complete	Amount Spent	\$ 21,020
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 3,100
		Total Project Cost	\$ 24,120

2) Forks High School Chinook Project (#58261424) Mar 1996 - Dec 1997

These funds are being used to construct a chinook rearing facility at Forks High School. Students there will work with Quileute Tribal Fisheries biologists to raise 50,000 spring/summer chinook from wild brood stock. All released fry will be fin-clipped for identification, and students in subsequent years will monitor in-river catch for returning fin-clipped adults. The project sponsors will use this data to generate run size estimates and evaluate the success of the rearing program.

Project Sponsors	Forks High School, Quileute Tribe	Allocated Funds	\$ 24,949
Project Status	Complete	Amount Spent	\$ 24,949
Project Type	Production	Volunteer Hours	200 = \$ 2,500
		Other Contributions	\$ 25,000
		Total Project Cost	\$ 52,449

RFEG Projects Approved in FY 97

3) Little Hoko River Restoration (#58270328) Aug 1996 - Aug 1997

This project was a cooperative effort with the Lower Elwha S'Klallam Tribe to restore 1.5 miles of the Little Hoko River. The work included installation of: 5 in-stream log weirs for channel stability, gravel retention, and to create pools; stream bank revegetation to stabilize the banks; and off-channel habitat enhancement to increase rearing habitat. This was once subsection of a large scale effort on the part of the Lower Elwha S'Klallam to improve the entire Little Hoko River.

*Contract numbers are shown for those projects funded with RFEG funds.

Project Sponsor	Lower Elwha S'Klallam Tribe	Allocated Funds	\$ 10,500
		Amount Spent	\$ 10,312
Project Status	Complete	Volunteer Hours	\$ 0
Project Type	Habitat	Other Contributions	\$ 0
		Total Project Cost	\$ 10,312

4) Borde Spring Net Pen (#58270329) Sept 1996- Aug 1997

These funds will be used to purchase a net pen for an ongoing coho broodstock project at Borde Springs, a tributary to the Bogachiel River. The net pen is used to hold the adult fish as they ripen prior to spawning. Approximately 5,000 eggs are taken and hatched in an egg box, then volitionally released as fry into the Borde Springs Pond for rearing. This five year old project has successfully created a natural return of both coho and steelhead to the pond.

Project Sponsor	Pacific Coast Salmon Coalition	Allocated Funds	\$ 500
		Amount Spent	\$ 125
Project Status	Ongoing	Volunteer Hours	600 = \$ 7,500
Project Type	Production	Other Contributions	\$ 200
		Total Project Cost	\$ 7,825

5) Tassel Creek Culvert Replacement (#58270486) Nov 1996 - Oct 1997

Pacific Salmon Coalition, in conjunction with Clallam County, will correct a fish passage problem by replacing a culvert at Tassel Creek. On site engineering support will be provided by WDFW and Clallam County. This passage mitigation will open up 2.5 miles of habitat. In addition to replacing the culvert, five in-stream log weirs will be installed to stabilize the stream bed and control down cutting.

Project Sponsor	Clallam County	Allocated Funds	\$ 38,000
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

6) Snider Creek Overwintering Pond (#58270765) Jan 1997 - Nov 1997

In cooperation with the US Forest Service, the Pacific Salmon Coalition will increase the rearing habitat and holding area in Snider Creek, a tributary to the Sol Duc River. Two overwintering ponds for juvenile coho will be excavated on the Forest Service site. The original ponds silted in and became overgrown with weeds, the result of upslope logging above the ponds. The hillside is

now stabilized with a new stand of trees, and new land-use practices will prevent future erosion.

Project Sponsor	USFS	Allocated Funds	\$ 10,000
Project Status	Ongoing	Amount Spent	\$ 1,500
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,500

Other Funded Projects

7) Hoh River Basin Grant

In addition to the RFEF funded projects, the Pacific Coast Salmon Coalition, in cooperation with the Hoh Indian Tribe, completed their second Jobs for the Environment Grant in this fiscal year. The grant covered a Hoh River Basin salmonid habitat enhancement and stream type verification project. The work was broken down into three categories: stream typing, revegetation, and fish barrier assessment and removal.

Stream typing - Work was done in West Fork Kalawah Creek, Steamboat Creek, Ceder Creek, and the Hoh River west of the Olympic National Park boundary. Of 852.2 miles surveyed, 439.7 were re-typed (51.6%). Changes were submitted to DNR.

Revegetation - Three separate streambank stabilization projects were conducted, covering over a mile of stream.

Fish Barrier Assessment / Removal - In conjunction with the stream typing effort, crews developed an inventory of culvert blockages, which will be used in the future to prioritize passage projects. As part of the grant, work crews assisted in the removal of four blocking culverts, opening up approximately 3,000 feet of habitat.

Project Sponsor	Pacific Coast Salmon Coalition	Grant Funds	\$299,861
Project Status	Complete	Amount Spent	\$280,597
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 37,402
		Total Project Cost	\$317,999

Administrative Costs

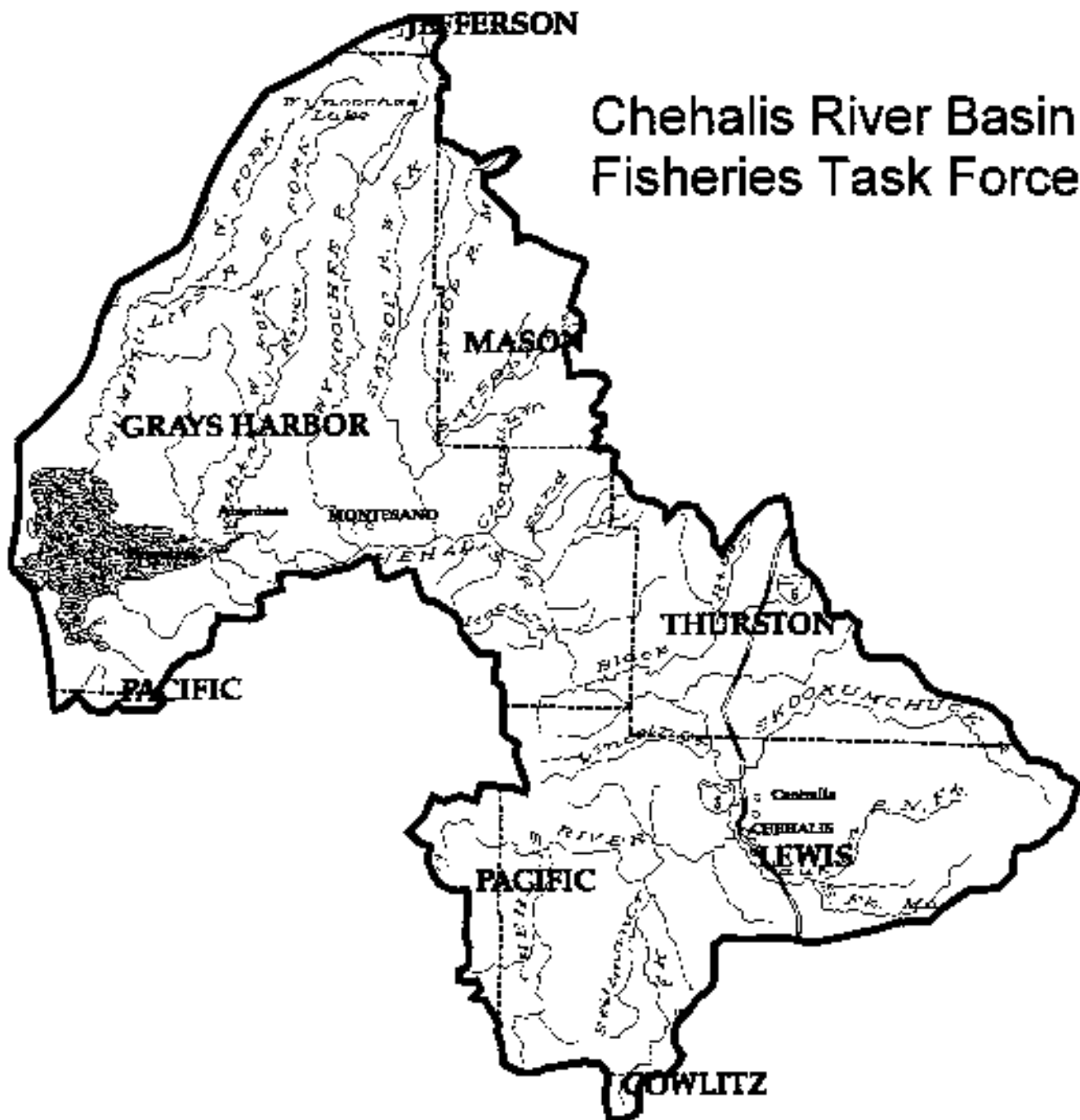
In addition to the above mentioned projects, the Pacific Salmon Coalition spent \$299 during the 96-97 fiscal year on various administrative needs.

Pacific Coast Salmon Coalition Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) N. Fork Calawah Culvert Replace	habitat	complete	\$21,020	0	\$3,100	\$24,120
2) Forks High Chinook Project	production	complete	\$24,949	200	\$25,000	\$52,449
RFEG PROJECTS (FY 97)						
3) Little Hoko Restoration	habitat	complete	\$10,312	0	\$0	\$10,312
4) Borde Spring Net Pen	production	ongoing	\$125	600	\$200	\$7,825
5) Tassel Creek Culvert Replace.	habitat	approved	\$0	0	\$0	\$0
6) Snider Creek Overwintering Pond	habitat	ongoing	\$1,500	0	\$0	\$1,500
OTHER FUNDED PROJECTS						
7) Hoh River Basin Grant	habitat	complete	\$0	0	\$317,999	\$317,999
Administrative Costs			\$299	0	\$0	\$299
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$58,205	800	\$346,299	\$414,504
Total Project Budget 7/1/96 - 6/30/97			\$414,504			
Total RFEG Funds			\$58,205			
All Other Contributions			\$356,299			
Ratio			1 : 6.12			

Region 9

Chehalis River Basin Fisheries Task Force



Region 9 Chehalis River Basin Fisheries Task Force

Chehalis River Basin FTF
2109 Summer Ave. #202
Aberdeen, WA 98520
Vice President
(360) 533-1766

Board of Directors

Dr. C. Sodhi	President
Dave Hamilton	First Vice President
Bill Zaikawski	Second
John Miller	Secretary / Treasurer
Steve Bonameyer	Sargent at Arms
Joe Durhim	Lower Basin Rep.
Larry Ivy	Lower Basin Rep.
Terry Baltzell	Lower Basin Rep.
Pat McCrary	Middle Basin Rep.
Bab Balcom	Middle Basin Rep.
Duane Bryant	Upper Basin Rep.
Ron Shutte	Upper Basin Rep.

The Chehalis River Basin Fisheries Task Force has been in existence since 1979 and was the template for the entire Regional Fisheries Enhancement program. This very successful group was originally sponsored by a conglomeration of business interests and the local community, and they continue to support the Task Force to this day. They include the Weyerhaeuser Company, the Port of Grays Harbor, Grays Harbor County, and to a lesser extent the Simpson Timber Company. Another source of revenue is from the US Fish and Wildlife Service, which has special funding for recovery and protection of Chehalis River salmon stocks. The Chehalis River Basin Task Force also coordinates with several local volunteer and non-profit groups, such as Long Live the Kings, Elma Game Club, Friends of the Cowlitz, and Trout Unlimited. The high level of community involvement in this group is an example of what volunteer efforts can accomplish with sufficient funding and quality leadership.

This region encompasses the entire Chehalis River drainage, which has several significant tributaries; the Wishkah River, the Wynochee River, the Satsop River, the Black River, the Skookumchuck River, and the Newaukum River. The Hoquiam River is also within this watershed, but it drains directly into Grays Harbor. Topographically this area is flatter than much of western Washington, creating low gradient streams and uniquely adapted fish stocks.

For the fiscal year 7-1-96 to 6-30-97, the Chehalis River Basin FTF completed two enhancement projects approved during the previous fiscal year, and received approval to begin four new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Merryman's Coho Project 1 (#58261150)* Apr 1996 - Mar 1997

This is a long term project that the Chehalis River Basin FTF has been involved with since 1992. These funds are used to support and provide maintenance for a coho rearing pond off of the South Fork Newaukum River, where the Onalaska School District runs an aquaculture education program. A total of 100,000 coho fry are reared by this project.

Project Sponsor	Onalaska School District	Allocated Funds	\$ 6,045
Project Status	Complete	Amount Spent	\$ 6,045
Project Type	Production	Volunteer Hours	2,000 = \$ 25,000
		Other Contributions	\$ 0
		Total Project Cost	\$ 31,045

2) Mayr Brothers Ponds / Long Live the Kings 1 (#58261151) Apr 1996 - Mar 1997

This is another long term project that the Chehalis River Basin FTF has supported for several years. Long Live the Kings is an independent non-profit organization which has built a small fish hatchery on the Wishkah River at river mile 25. This hatchery rears a total of 200,000 fall chinook and 40,000 steelhead. These funds are used as general operating costs for the hatchery.

Project Sponsor	Long Live the Kings	Allocated Funds	\$ 13,955
Project Status	Complete	Amount Spent	\$ 13,955
Project Type	Production	Volunteer Hours	350 = \$ 4,375
		Other Contributions	\$ 82,200
		Total Project Cost	\$100,520

RFEG Projects Approved in FY 97

3) Mayr Brothers Ponds / Long Live the Kings 2 (#58271093) Apr 1997 - Mar 1998

This is a continuation of project #2 above, for the following year.

Project Sponsor	Long Live the Kings	Allocated Funds	\$ 16,470
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	0 = \$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

*Contract numbers are shown for those projects funded with RFEG funds.

4) Merryman's Coho Project / Carlisle Lake (#58271094) Apr 1997 - Mar 1998

These funds will be used to continue the Merryman's Coho Project described as #1 above, and to make some changes to it. The Onalaska School District has found a new potential rearing site that is closer to the middle school and is presently without anadromous fish passage. These funds would be used to move the rearing facility to the new site, and to rear 30,000 coho. The possibility of providing fish passage to the site is also being explored.

Project Sponsor	Onalaska School District	Allocated Funds	\$ 6,858
Project Status	Ongoing	Amount Spent	\$ 1,978
Project Type	Production	Volunteer Hours	500 = \$ 6,250
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,978

5) Chehalis Chinook Broodstock (#58271096) Apr 1997 - Mar 1998

The Chehalis River Basin FTF will capture adult chinook salmon in the Chehalis River for artificial spawning and rearing. A total of 225,000 eggs will be taken and hatched at the WDFW Bingham Creek Hatchery in the Satsop River system, then transferred as fry to two rearing sites. The funds will be used to pay the salaries and benefits of the broodstockers.

Project Sponsor	Elma Game Club	Allocated Funds	\$ 4,790
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	732 = \$ 9,150
		Other Contributions	\$ 0
		Total Project Cost	\$ 9,150

6) Muller / Satsop Springs Rearing Project (#58271103) Apr 1997 - Mar 1998

The Chehalis River Basin FTF, in association with the Elma Game Club, will rear 500,000 coho salmon and 300,000 chinook salmon in this sixth year of this ongoing project. The eggs are hatched at a private landowner's facility, then transferred to two ponds as Satsop Springs for rearing. These funds are used for facility operating costs.

Project Sponsor	Elma Game Club	Allocated Funds	\$ 9,774
Project Status	Ongoing	Amount Spent	\$ 2,428
Project Type	Production	Volunteer Hours	2,000 = \$ 25,000
		Other Contributions	\$ 0
		Total Project Cost	\$ 27,428

Other Funded Projects

7) Wishkah River Off-Channel Coho Rearing Ponds

This is an ongoing project since 1991 funded through the US Fish and Wildlife Service. The Chehalis River Basin FTF constructed an off-channel rearing pond for juvenile salmonids, particularly coho and cutthroat. The ponds are located on the same property as the Mayr Bros Ponds / Long Live the Kings Project. Two smolt traps were placed on the egress channel to monitor juvenile salmonid movement into and out of the pond. The monitoring is conducted with volunteer labor. Each year the number of juvenile salmon utilizing the pond has increased to a peak of 1,400 coho smolts in the spring of 1997. These funds are for the construction of a second pond near the first.

Project Sponsor	USFWS	Grant Funds	\$ 5,000
Project Status	Ongoing	Volunteer Hours	324 = \$ 4,050
Project Type	Habitat	Other Contributions	\$ 6,150
		Total Project Cost	\$ 15,200

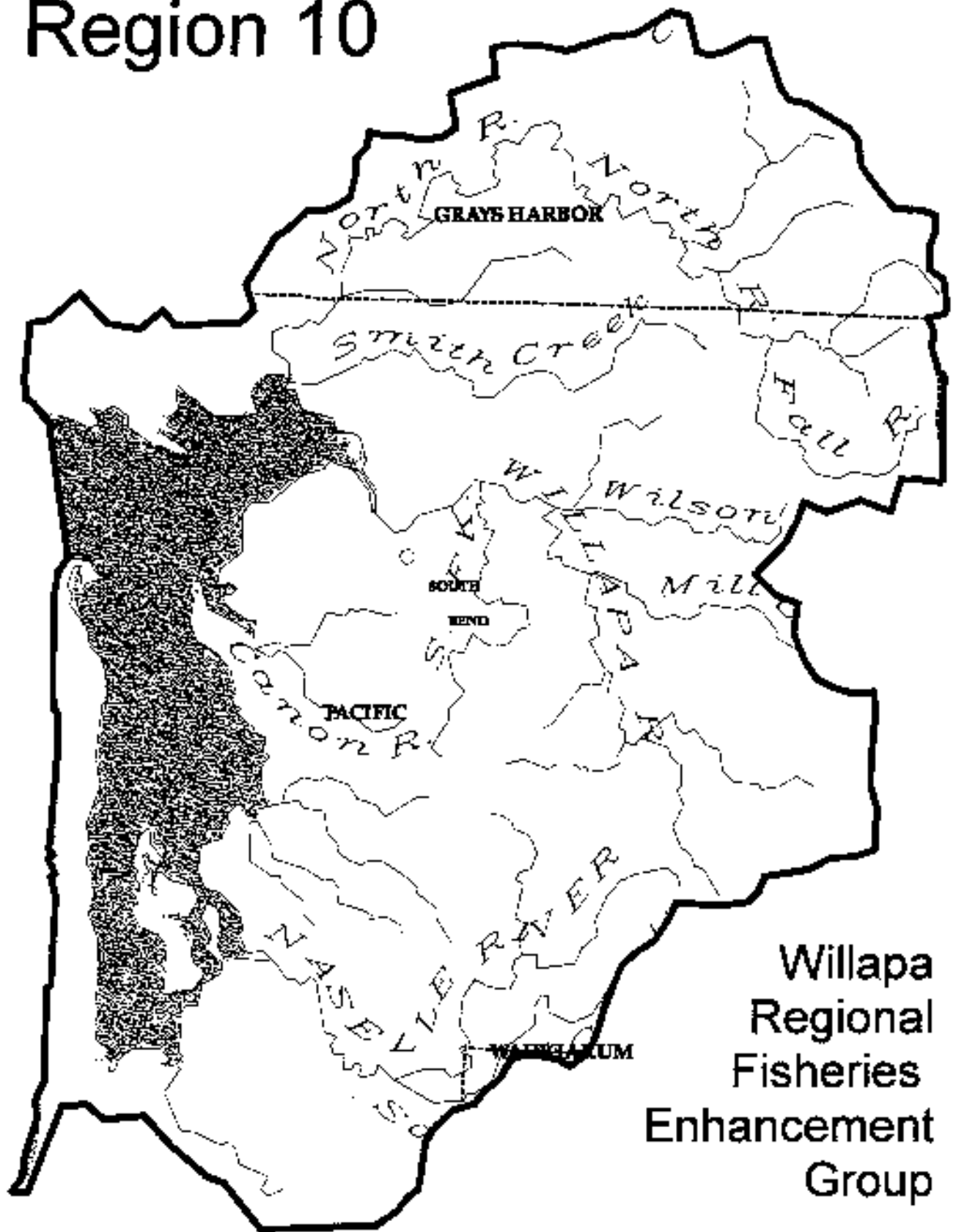
Administrative Costs

In addition to the above mentioned projects, the Chehalis River Basin FTF spent \$3,380 during the 96-97 fiscal year on various administrative needs.

Chehalis River Basin FTF Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Merryman's Coho Project 1	production	complete	\$6,045	2000	\$0	\$31,045
2) Mayr Bros. Ponds / LLTK 1	production	complete	\$13,955	100	\$70,500	\$85,705
RFEG PROJECTS (FY97)						
3) Mayr Bros. Ponds / LLTK 2	production	approved	\$0	0	\$0	\$0
4) Merryman's Coho / Carlisle Lake	production	ongoing	\$1,978	500	\$0	\$8,228
5) Chehalis Chinook Broodstock	production	approved	\$0	732	\$0	\$9,150
6) Muller / Satsop Springs Rearing	production	ongoing	\$2,428	2000	\$0	\$27,428
7) Wishkah Off-Channel Ponds	habitat	ongoing	\$0	324	\$11,150	\$15,200
Administrative Costs			\$0	0	\$0	\$0
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$24,406	5656	\$81,650	\$176,756
Total Project Budget 7/1/96 - 6/30/97			\$176,756			
Total RFEG Funds			\$24,406			
All Other Contributions			\$152,350			
Ratio			1 : 6.24			

Region 10



Willapa
Regional
Fisheries
Enhancement
Group

Region 10

Willapa Regional Fisheries Enhancement Group

Willapa RFEG
711 Dearborn St.
Raymond, WA 98577
Secretary
(360) 942-2928

Board of Directors

Mark Ashley	President
Bill Butchkowski	Vice President
Dawn Kin	Treasurer /

The Willapa Regional Fisheries Enhancement Group covers all streams that drain into Willapa Bay, including the Willapa River, the Naselle River, the North River, the Palix River, the Nemah River, Bear River, and numerous small coastal streams. This region encompasses most of Pacific County and includes a small portion of Grays Harbor County.

Volunteers in this region have created successful partnerships with a variety of groups, including the Willapa Port Commission, the Willapa Alliance (a grassroots fish enhancement organization), Grays Harbor Gillnetters Association, Trout Unlimited, Pacific County Conservation District, Washington Department of Natural Resources, Weyerhaeuser Timber Company, Raineer Timber Company, Port Blakely Timber Company, and other private landowners.

For the fiscal year 7-1-96 to 6-30-97, the Willapa RFEG continued or completed two enhancement projects approved during previous fiscal years, and received approval to begin twelve new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Willap Terminal Fisheries Pilot (#58260478)*

Aug 1995 - July 1997

This is a pilot project to determine the effectiveness of producing a harvestable surplus of hatchery salmon while protecting wild stocks. Chinook parr are reared in an estuarine net pen for a few months then released into Willapa Bay. Rearing and release protocols have been established to separate the run timing of these fish from wild fish. The goal of this project is to create a terminal fishery.

Project Sponsor	Willapa Alliance	Allocated Funds	\$ 24,100
Project Status	Complete	Amount Spent	\$ 24,100
Project Type	Production	Volunteer Hours	300 = \$ 3,750
		Other Contributions	\$ 0
		Total Project Cost	\$ 27,850

2) Fred March Spawning Channel Expansion (#58261133)

Mar 1996 - Dec 1998

Fifteen years ago a private landowner named Fred March built an off-channel spawning area for salmon returning to North River. Because this channel is protected from scouring flood events, the survival rate of eggs and juvenile salmon spawned in it is much higher than that of fish spawned in the river itself. This project has proven to be so successful that in recent years returns to the channel have exceeded channel capacity, and access had to be closed to prevent overspawning. These funds are being used to extend the channel from its current length of 600 feet to a new total of 1,800 feet (1,200 feet of new channel) and to improve access to it.

Project Sponsor	Fred March, landowner	Allocated Funds	\$ 15,000
Project Status	Ongoing	Amount Spent	\$ 11,181
Project Type	Habitat	Volunteer Hours	4,368 = \$ 54,600
		Other Contributions	\$ 0
		Total Project Cost	\$ 65,781

RFEG Projects Approved in FY 97

3-8) Fish Food Purchases

July 1996 - Dec 1998

(#58270028, #58270029, #58270030, #58270228, #58270834)

The Willapa RFEG has several contracts for the purchase of fish feed to support several rearing projects. These projects include Pete's Creek, Niemeziek Pond, the Willapa Pilot Project, Hill's

*Contract numbers are shown for those projects funded with RFEG funds.

Region 10-3

Pond, McNamara's Pond, Raymond Net Pens, Willapa Alliance Pilot Project, and the Nemah Chum Net Pen Project.

Project Sponsor	Various	Allocated Funds	\$ 21,500
Project Status	Ongoing	Amount Spent	\$ 4,574
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 4,574

9) Net Pen Operation (#58270832)

Dec 1996 - Dec 1998

The Willapa group has several net pen projects in operation from year to year. These pens require annual maintenance and repair, and many need to be pulled out of the water and stored while not in use. Occasionally a net pen must be replaced. These funds cover those annual costs.

Project Sponsor	Willapa RFEG	Allocated Funds	\$ 2,000
Project Status	Ongoing	Amount Spent	\$ 1,597
Project Type	Production	Volunteer Hours	450 = \$ 5,625
		Other Contributions	\$ 0
		Total Project Cost	\$ 7,222

10) Project Coordinator (#58270833)

Dec 1996 - Dec 1998

These funds were used to hire an individual to oversee the monitoring and maintenance of several RSIs operated by the Willapa RFEG. Volunteers work with the project coordinator to maintain the RSIs by protecting them from siltation, flooding, water deprivation, and vandalism.

Project Sponsor	Willapa RFEG	Allocated Funds	\$ 6,000
Project Status	Ongoing	Amount Spent	\$ 6,000
Project Type	Production	Volunteer Hours	375 = \$ 4,688
		Other Contributions	\$ 0
		Total Project Cost	\$ 10,688

11) Net Pen Transport (#58270835)

Jan 1997 - Dec 1998

The Willapa group closed down a net pen operation at one location and moved the net pen to a new location in Raymond. Due to the size of the net pen and its floats, a semi-trailer had to be hired for the transport, and a boom truck had to be hired for the loading and unloading.

Project Sponsor	Willapa RFEG	Allocated Funds	\$ 2,000
Project Status	Ongoing	Amount Spent	\$ 1,919

Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 1,919

12) Hill's Pond (#58271106)

Apr 1997 - Dec 1998

The Willapa RFEF has entered into an agreement with a local landowner (Hill) to lease a pond for the rearing of juvenile chinook salmon. Volunteers feed the fish twice per day for at least two months each year. This pond (and other like it) serves as an acclimation pond to move chinook fry out of the hatchery environment.

Project Sponsor	Willapa RFEF	Allocated Funds	\$ 2,000
Project Status	Ongoing	Amount Spent	\$ 1,600
Project Type	Production	Volunteer Hours	200 = \$ 2,500
		Other Contributions	\$ 0
		Total Project Cost	\$ 4,100

13) Remote Site Incubator Maintenance (#58271107)

Apr 1997 - Dec 1998

The Willapa group operates several remote site incubators (RSIs) each year. In addition to requiring monitoring, these structures occasionally require maintenance and repair. These funds are for the repair and replacement of RSI equipment.

Project Sponsor	Willapa RFEF	Allocated Funds	\$ 2,500
Project Status	Approved	Amount Spent	\$ 0
Project Type	Production	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

14) McNamara's Pond (#58271108)

Apr 1997 - Dec 1998

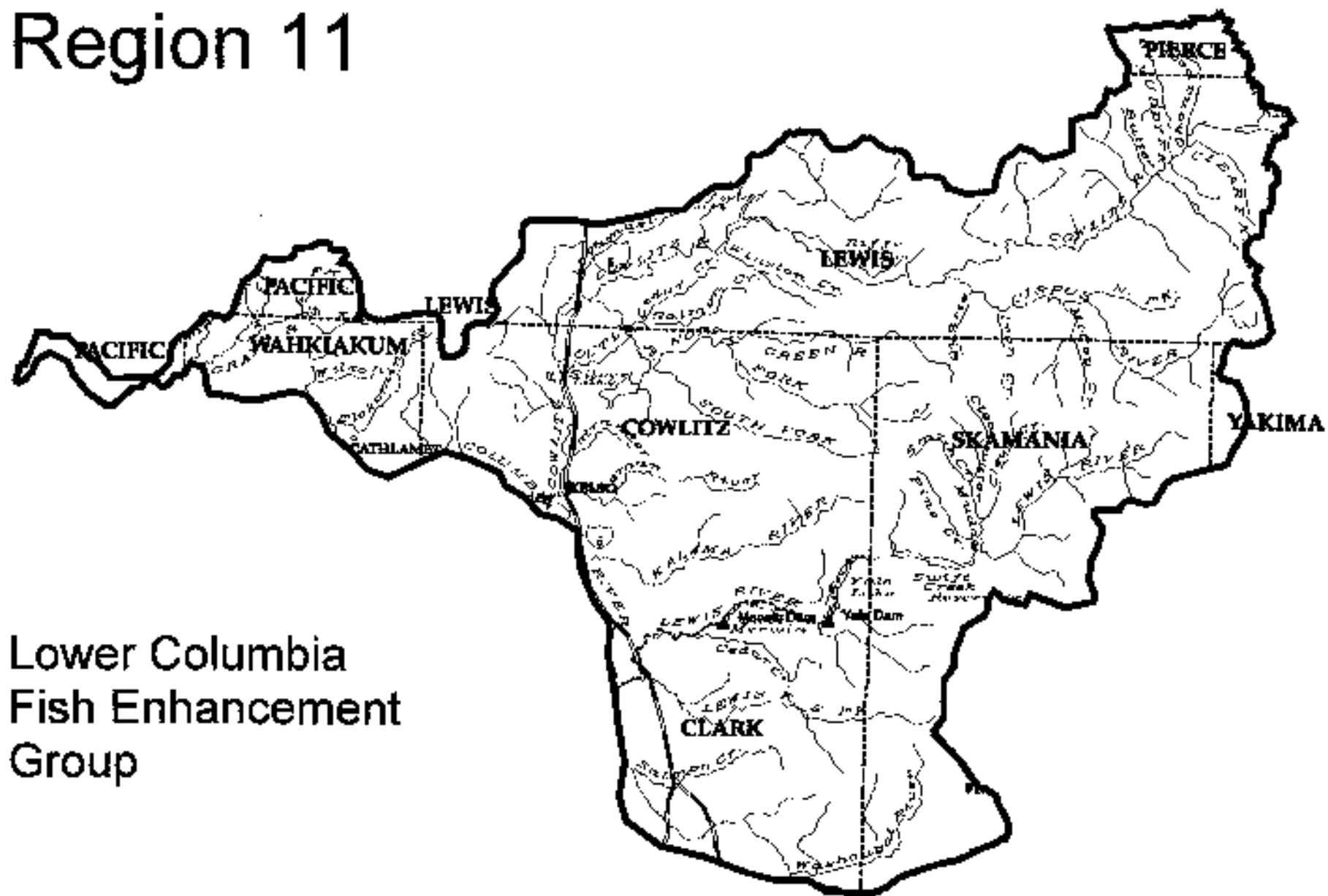
The Willapa RFEF has entered into an agreement with a local landowner (McNamara) to lease a pond for the rearing of juvenile chinook salmon. Volunteers feed the fish twice per day for at least two months each year. This pond (and other like it) serves as an acclimation pond to move chinook fry out of the hatchery environment.

Project Sponsor	Willapa RFEF	Allocated Funds	\$ 2,000
Project Status	Ongoing	Amount Spent	\$ 1,600
Project Type	Production	Volunteer Hours	200 = \$ 2,500
		Other Contributions	\$ 0
		Total Project Cost	\$ 4,100

Willapa RFEG Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Willapa Terminal Fishery Pilot	production	complete	\$24,100	300	\$0	\$27,850
2) Fred March Spawning Channel	habitat	ongoing	\$11,181	4368	\$0	\$65,781
RFEG PROJECTS (FY 97)						
3-8) Fish Food Purchases	production	ongoing	\$4,574	0	\$0	\$4,574
9) Net Pen Operation	production	ongoing	\$1,597	450	\$0	\$7,222
10) Project Coordinator	production	ongoing	\$6,000	375	\$0	\$10,688
11) Net Pen Transport	production	ongoing	\$1,919	0	\$0	\$1,919
12) Hill's Pond	production	ongoing	\$1,600	200	\$0	\$4,100
13) Remote Site Incubator Maint.	production	approved	\$0	0	\$0	\$0
14) McNamara's Pond	production	ongoing	\$1,600	200	\$0	\$4,100
Administrative Costs			\$3,380	0	\$0	\$3,380
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$55,951	5893	\$0	\$129,614
Total Project Budget 7/1/96 - 6/30/97			\$129,614			
Total RFEG Funds			\$55,951			
All Other Contributions			\$73,663			
Ratio			1 : 1.32			

Region 11



Lower Columbia
Fish Enhancement
Group

Administrative Costs

In addition to the above mentioned projects, the Willapa RFEG spent \$3,380 during the 96-97 fiscal year on various administrative needs.

**Region 11
Lower Columbia Fish Enhancement Group**

Board of Directors

Lower Columbia FEG
PO Box 61723
Vancouver, WA 98666 - 1723
(360) 944-9544

Jim Stolarzyk	President
Dick Kennow	Vice President
Rich Kolb	Treasurer / Secretary

The Lower Columbia Fish Enhancement Group encompasses the Washington State portion of the Columbia River drainage downstream of the Bonneville Dam. This includes two major tributaries of the Columbia River; the Cowlitz and Lewis rivers. This region covers several counties, including virtually all of Waikikum, Cowlitz, and Clark counties, most of Skamania and Lewis counties, and small portions of Pierce, Pacific, and Yakima counties.

Fish runs in this area have been severely impacted over the years by heavy harvest and habitat degradation resulting from intense forestry practices, residential development, and certain agricultural practices. Salmon enhancement volunteers in this area must combine these regional economic realities with the needs of salmon. Fortunately the group has found very cooperative allies in the various county conservation districts in the region.

For the fiscal year 7-1-96 to 6-30-97, the Lower Columbia group continued or completed two enhancement projects approved during previous fiscal years, and received approval to begin two new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1) Olequa Creek Restoration Project (#58260886)*

June 1996 - Sept 1997

The goal of this project was to stabilize 500' of eroding stream bank that contributes excess silt and fine dirt to the system. The Lower Columbia group is cooperating with WDFW and Winlock High School students to install a series of pilings, rip rap, and native plants to prevent further erosion. The result of this project will be improved spawning habitat for coho, chinook, steelhead, and cutthroat trout.

Project Sponsor	LCFEG	Allocated Funds	\$10,800
Project Status	Complete	Amount Spent	\$ 6,221
Project Type	Habitat	Volunteer Hours	100 = \$ 1,250
		Other Contributions	\$ 0
		Total Project Cost	\$ 7,471

2) Gorley Gravel Rehab (#58260924)

June 1996- Aug 1997

The Lower Columbia group is using these funds to restore a 1600' artificially constructed spawning channel located on the Grays River in Waikikum County. A flood several years ago silted the spawning gravels, reducing the quality and quantity of available spawning habitat for coho and chum salmon. Local high school students, scout troops, and other community groups are volunteering their time to clean and place spawning gravel in the channel. Displaced fishers are also working on the project through a Waikikum Conservation District grant. The US Fish and Wildlife Service is providing matching funds up to \$4,000.

Project Sponsor	LCFEG	Allocated Funds	\$ 8,000
Project Status	Ongoing	Amount Spent	\$ 5,393
Project Type	Habitat	Volunteer Hours	200 = \$ 2,500
		Other Contributions	\$ 4,000
		Total Project Cost	\$11,893

RFEG Projects Approved in FY 97

3) Planting Materials (#58270036)

July 1996- Aug 1997

These funds are being used to purchase native plants, planting materials, and planting equipment for a variety of projects within the Lower Columbia region. Some of these funds have been spent to build hothouses to grow plant for future revegetation projects. Local students have volunteered

*Contract numbers are shown for those projects funded with RFEG funds.

Region 11-3

their time to help build the hothouses and revegetate several riparian sites. The US Fish and Wildlife Service is providing matching funds for this project, up to \$3,000.

Project Sponsor	LCFEG	Allocated Funds	\$ 5,000
Project Status	Ongoing	Amount Spent	\$ 3,038
Project Type	Habitat	Volunteer Hours	150 = \$ 1,875
		Other Contributions	\$ 3,000
		Total Project Cost	\$ 7,913

4) Campen Creek Rehabilitation (#58271109)

Apr 1997 - Sept 1998

The Lower Columbia group will work with land owners to improve coho salmon rearing and spawning habitat in the upper part of Campen Creek, and with the Orchard Hills County Golf Course at the lower end of Campen Creek. This project will focus on stabilizing streambanks and providing cover with riparian revegetation.

Project Sponsor	LCFEG	Allocated Funds	\$ 2,750
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

Administrative Costs

In addition to the above mentioned projects, the Lower Columbia group spent \$1,605 during the 96-97 fiscal year on various administrative needs.

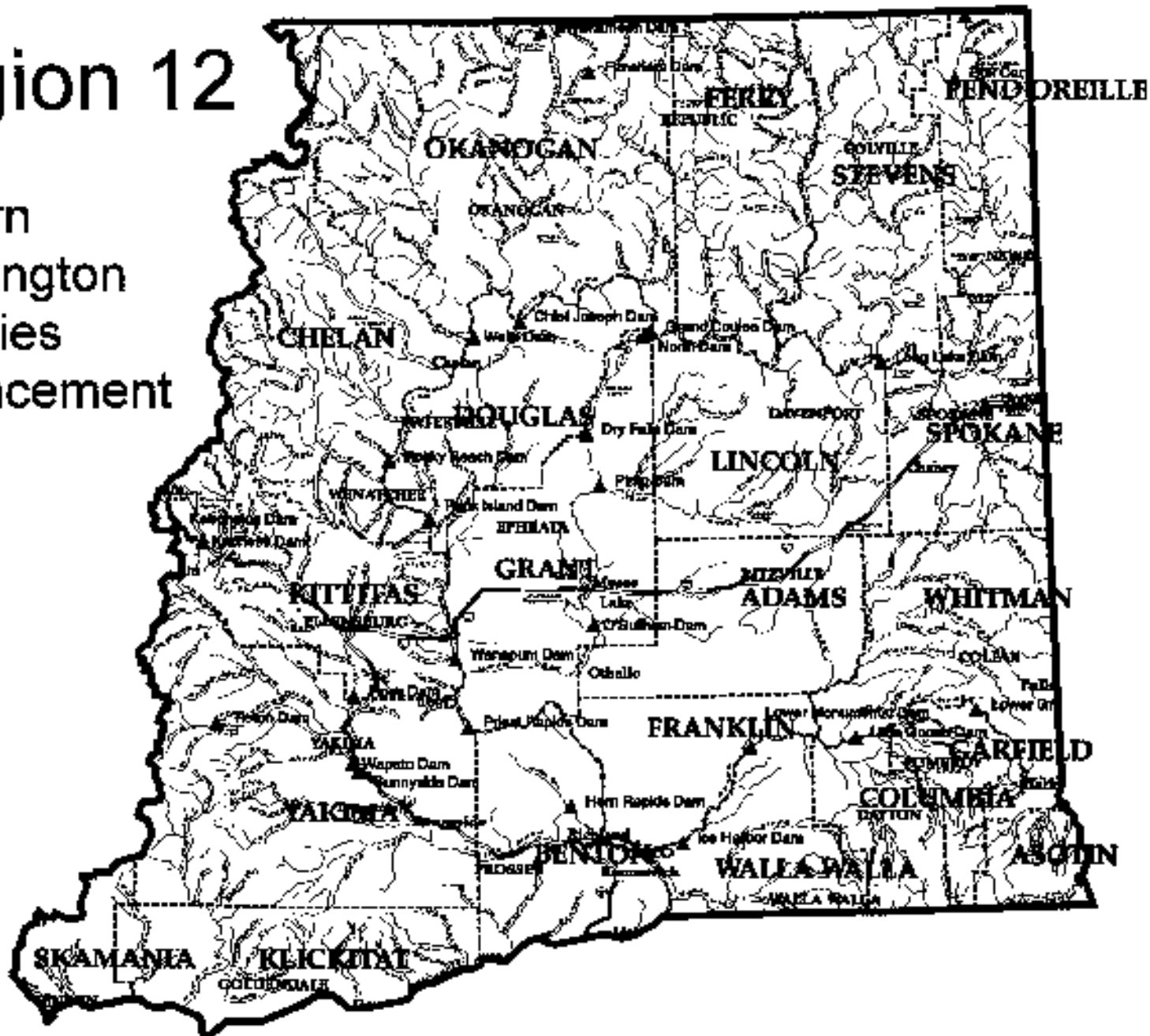
Lower Columbia FEG Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Olequa Creek Restoration	habitat	complete	\$6,221	100	\$0	\$7,471
2) Gorley Gravel Rehabilitation	habitat	ongoing	\$5,393	200	\$4,000	\$11,893
RFEG PROJECTS (FY 97)						
3) Planting Materials	habitat	ongoing	\$3,038	150	\$3,000	\$7,913
4) Campen Creek Rehabilitation	habitat	approved	\$0	0	\$0	\$0
Administrative Costs			\$1,605	0	\$0	\$1,605
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$16,257	450	\$7,000	\$28,882

Total Project Budget 7/1/96 - 6/30/97 **\$28,882**
 Total RFEG Funds **\$16,257**
 All Other Contributions **\$12,625**
 Ratio **1 : 0.78**

Region 12

Eastern
Washington
Fisheries
Enhancement
Group



Region 12 Eastern Washington Fisheries Enhancement Group

Eastern Washington FEG
PO Box 9111 / 409 N. 63rd Ave.
Yakima, WA 98908
(509) 965-1102

Board of Directors

Kim Hubner	President
Don Wilton	Vice President
Jim Maine	Treasurer
Glenn Miller	Secretary

The Eastern Washington Fisheries Enhancement Group encompasses the entire Washington State portion of the Columbia River drainage upstream of the Bonneville Dam. This includes several major tributaries of the Columbia River: the Snake River, the Yakima River, the Wenatchee River, the Okanogan River, the Spokane River, and the Pend Oreille River. Volunteers in this region are responsible for far more stream miles and must cover more area than any other group. Every adult salmon returning to the region must pass at least one hydroelectric dam, and most must pass several. Anadromous fish passage to the Spokane and Pend Oreille Rivers is completely blocked by Grand Coulee Dam. The Eastern Washington group predicates its efforts on the value of improved habitat, and undertakes projects to promote that goal.

For the fiscal year 7-1-96 to 6-30-97, the Eastern Washington group continued or completed seven enhancement projects approved during previous fiscal years, and received approval to begin six new enhancement projects.

RFEG Projects Approved in Prior Fiscal Year(s)

1 to 5) Instream Habitat Restoration Projects

The Eastern Washington FEG did five very similar habitat restoration projects, three on the Entiat River and two on the Wenatchee River. These projects were intended to repair damage caused by a significant flood in 1990, which eroded banks, contributed siltation to the streams, and displaced most of the large woody debris. The goal of these projects were to stabilize the stream banks, reduce siltation, and to create in-stream structures of rock and logs. Over 1700 feet of stream will be improved with bioengineering, livestock fencing, revegetation, and in-stream structures.

Deskiu Instream Habitat Protection (#58261305)* **May 1995 - Dec 1997**

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 48,989
Project Status	Ongoing	Amount Spent	\$ 5,453
Project Type	Habitat - restoration	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,453

Simpson Hills Instream Habitat Project (#58261306) **May 1995 - Dec 1997**

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 18,208
Project Status	Complete	Amount Spent	\$ 18,208
Project Type	Habitat - restoration	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 18,208

Beatley Instream Habitat Project (#58261307) **May 1995 - Dec 1997**

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 42,357
Project Status	Ongoing	Amount Spent	\$ 5,288
Project Type	Habitat - restoration	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 5,288

Phipps Instream Habitat Project (#58261110) **Apr 1996 - Dec 1997**

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 12,538
Project Status	Ongoing	Amount Spent	\$ 2,928
Project Type	Habitat - restoration	Volunteer Hours	\$ 0
		Other Contributions	\$ 0

*Contract numbers are shown for those projects funded with RFEG funds.

Region 12-3

Total Project Cost \$ 2,928

Winter Instream Habitat Project (#58261113)

Apr 1996 - Dec 1997

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 6,872
Project Status	Ongoing	Amount Spent	\$ 3,648
Project Type	Habitat - restoration	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 3,648

6) Brender Channel Rehabilitation (#58261111)

Apr 1996 - Dec 1997

This Wenatchee River tributary has been affected by water diversion, irrigation return flow, and flood events. This project will deepen the main channel by excavation, and return a large percentage of the flow, now flowing in culverts alongside the stream, back to the stream bed. Once the channel is re-established the banks will be stabilized with riprap and revegetation. In-stream structures and a sediment pond will also be constructed.

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 17,100
Project Status	Ongoing	Amount Spent	\$ 16,943
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 16,943

7) American River Large Woody Debris Placement (#58261326)

May 1996 - Dec 1997

These funds were used to place large woody debris in the American River, in order to provide rearing habitat for juvenile salmonids.

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 3,000
Project Status	Complete	Amount Spent	\$ 2,753
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,753

RFEG Projects Approved in FY 97

8) Naneum Creek (#58270433)

Oct 1996 - Dec 1997

The goal of this project is to replant 1500 feet of Naneum Creek with native vegetation, and to create in-stream rearing habitat with in-channel barbs, boulder clusters, and large woody debris.

Project Sponsor	Adopt a Stream Foundation - Ellensburg		
Project Status	Approved	Allocated Funds	\$ 5,348
Project Type	Habitat	Amount Spent	\$ 0
		Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

9) Yakima River Shoreline Rehab (#58270487) Oct 1996 - Dec 1997

These funds will be used to remove broken concrete and other construction debris from the river, where it restricts the free flow of water and impedes shoreline vegetation growth. Two pieces of large woody debris will also be installed for salmonid rearing habitat, and the site will be revegetated with native plants.

Project Sponsor	Yakima River Enhancement Group		
Project Status	Ongoing	Allocated Funds	\$ 11,400
Project Type	Habitat	Amount Spent	\$ 10,009
		Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 10,009

10) Stinger Revegetation Tool (#58270512) June 1996 - June 1997

These funds were used to purchase a "Stinger" revegetation tool. This tool is a 6" diameter steel rod that attaches to an excavator bucket and is used to punch planting holes in shoreline riprap.

Project Sponsor	Eastern Washington FEG		
Project Status	Complete	Allocated Funds	\$ 2,000
Project Type	Habitat	Amount Spent	\$ 2,000
		Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 2,000

11) Selah Ditch Habitat (#58270885) Jan 1997 - June 1998

Selah Ditch is a straight, structure-less, 4,000 foot long drainage ditch that empties into the Yakima River. Despite the lack of in-stream structure, riparian vegetation, and the impacts of storm water run-off, it is used by juvenile chinook as rearing habitat. This project will install in-stream structure, revegetate the riparian zone with native plants, and recounter the land around a nearby wetland to improve water quality.

Project Sponsor	Yakima Nation Fisheries	Allocated Funds	\$ 9,465
-----------------	--------------------------------	-----------------	-----------------

Project Status	Ongoing	Amount Spent	\$ 6,327
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 6,327

12) Teanaway Junction Side Channel Enhancement (#58271097) Apr 1997 - Dec 1997

An unnamed side channel of the Yakima River flows for approximately 300 feet along a boat ramp access road. This side channel is devoid of in-stream structure, and during irrigation season the flow is too strong to allow for juvenile salmonid rearing. This project would create suitable rearing habitat by installing boulder clusters, large woody debris, and rock weirs in the channel.

Project Sponsor	Eastern Washington FEG	Allocated Funds	\$ 3,350
Project Status	Approved	Amount Spent	\$ 0
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 0
		Total Project Cost	\$ 0

13) Swale Creek Habitat Restoration (#58271104) Apr 1997 - Dec 1997

This is a large-scale habitat restoration effort on a tributary to the Klickitat River. This five-part project includes:

- 1) riparian revegetation along approximately 2 miles of Swale Creek,
- 2) wetland reconstruction and conservation easement purchases totaling approx. 500 acres,
- 3) the construction of 3 retention ponds for sediment retention and groundwater recharge,
- 4) grazing management improvements for 6 miles of Swale Creek to increase riparian cover, and
- 5) long-term monitoring of the restored sites.

Project Sponsor	Yakima Indian Nation	Allocated Funds	\$ 11,800
Project Status	Ongoing	Amount Spent	\$ 1,019
Project Type	Habitat	Volunteer Hours	\$ 0
		Other Contributions	\$ 94,500
		Total Project Cost	\$ 95,519

Administrative Costs

The Eastern Washington group has no administrative costs to report for the fiscal year.

Eastern Washington FEG Project and Fiscal Summary

Project	Type	Status	RFEG Funds	Volunteer Hours	Other Contributions	Total Project Cost
RFEG PROJECTS (PRIOR FYs)						
1) Deskin Instream Habitat Project	habitat	ongoing	\$5,453	0	\$0	\$5,453
2) Simpson / Hills Instream Habitat	habitat	complete	\$18,208	0	\$0	\$18,208
3) Beatley Instream Habitat Project	habitat	ongoing	\$5,288	0	\$0	\$5,288
4) Phipps Instream Habitat Project	habitat	ongoing	\$2,928	0	\$0	\$2,928
5) Winter Instream Habitat Project	habitat	ongoing	\$3,648	0	\$0	\$3,648
6) Brender Channel Rehabilitation	habitat	ongoing	\$16,943	0	\$0	\$16,943
7) American River LWD Placement	habitat	complete	\$2,753	0	\$0	\$2,753
RFEG PROJECTS (FY 97)						
8) Naneum Creek	habitat	approved	\$0	0	\$0	\$0
9) Yakima River Shoreline Rehab	habitat	ongoing	\$10,009	0	\$0	\$10,009
10) Stinger Revegetation Tool	habitat	complete	\$2,000	0	\$0	\$2,000
11) Selah Ditch Habitat	habitat	ongoing	\$6,327	0	\$0	\$6,327
12) Teanaway Junction Channel	habitat	approved	\$0	0	\$0	\$0
13) Swale Creek Habitat Restor.	habitat	ongoing	\$1,019	0	\$94,500	\$95,519
Administrative Costs			\$0	0	\$0	\$0
Other Misc. Contributions			\$0	0	\$0	\$0
Totals			\$69,288	0	\$94,500	\$163,788
Total Project Budget 7/1/96 - 6/30/97			\$163,788			
Total RFEG Funds			\$69,288			
All Other Contributions			\$94,500			
Ratio			1 : 1.36			