

REGIONAL FISHERIES ENHANCEMENT PROGRAM

Biennium Report for July 1, 1999 - June 30, 2001

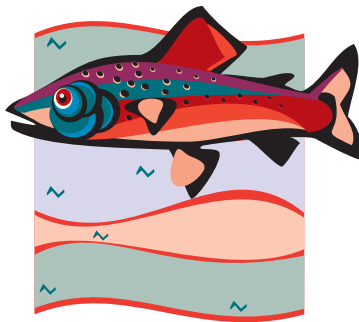




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EXECUTIVE SUMMARY

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

“The salmon is the living icon of the quality of life in the Pacific Northwest.”

—Honorable Gary Locke, Governor of the State of Washington

OVERVIEW

In 1990, the Washington State Legislature created the Regional Fisheries Enhancement Program to involve local communities, citizen volunteers, and landowners in the state’s salmon recovery efforts. Initially there were twelve groups, all but one in Western Washington; two more Eastern Washington groups formed in 2000.

The fourteen Regional Fisheries Enhancement Groups (RFEs) perform a unique role. They are the only organizations statewide dedicated solely to restoring salmon and steelhead populations. In addition, the RFEs create dynamic partnerships with state and federal agencies, Native American tribes, and local businesses and landowners. Through these collaborations, the RFEs help lead communities in successful restoration programs.

BIENNIUM REPORT: JULY 1, 1999 – JUNE 30, 2001

This biennium report to the Legislature and other interested parties meets the state requirements of RCW 75.50.050 and 75.50.120. The report also publicizes the RFE Program, giving information about its extensive impact in Washington State.

There are a number of components to the report:

- * The first section includes this Executive Summary and charts and graphs about the work of the entire program.
- * Each of the groups has a section including the following—
 - A chart showing all the RFE’s projects, funds spent, and donations and volunteer contributions for the biennium
 - An overview of the region and the group
 - A description of highlighted projects (for most), accompanied by pictures
 - A list of board and staff, and contact information
 - Data on each RFE funded project
 - Data on non-RFE funded projects

All information comes directly from the RFEs and from the Washington Department of Fish and Wildlife’s contract summaries. Volunteer dollars are calculated at the rate of \$12.50 per hour.

EXECUTIVE SUMMARY

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R F E G P R O G R A M S T R U C T U R E

The overall program has a multi-tiered structure:

- The groups function as fourteen separate non-profit 501(c)(3) organizations, each with a Board of Directors and, for most, staff overseeing their activities.
- Each Regional Fisheries Enhancement Group has a specific geographic area based on watersheds.
- Within each RFEG, members develop and propose projects.
- The Washington Department of Fish and Wildlife (WDFW) and tribal staff of the region review project proposals for compatibility with laws and other recovery efforts in the particular watershed.
- The RFEG Advisory Board, appointed by the director of WDFW, advises the Washington Fish & Wildlife Commission and WDFW. The Advisory Board advocates for and coordinates the Program, making recommendations for funding RFEG project proposals.
- Funding for the RFEG Programs, administered through WDFW, comes from a portion of fees assessed to commercial and recreational fishing licenses. Revenues generated by the state's sale of salmon eggs and carcasses also go toward the program. In recent years the RFEG Program has received substantial funding from the United States Fish and Wildlife Service.
- RFEGs form an integral part of the local salmon recovery Lead Entity processes. The Lead Entities include municipal and county governments, conservation districts, tribes, and non-profits; their make-up varies from region to region. Lead Entities prioritize projects for funding by Washington's Salmon Recovery Funding Board (SRFB).
- The groups also obtain grants from government agencies and private entities. Individual donations and gifts in kind are also crucial. In the 1999-2001 biennium, RFEGs received donations and in-kind contributions from thousands of different businesses, agencies, and individuals.
- The involvement of local volunteers and the participation of landowners willing to have projects on their property form the key features of the RFEG Program.
- The RFEGs create numerous partnerships, bringing diverse interests together.

T H E R E G I O N S

The organizations share the common goal of restoring fish populations and habitat to their regions, relying on support in local communities. However, the geographic areas and therefore the groups vary widely.

The regions of Puget Sound—Nooksack, Skagit, Stilly-Snohomish, Mid Sound, and South Puget—all have lower watersheds situated in the populated Interstate-5 corridor. Their upper watersheds include private and publicly owned forested lands. Consequently, these regions deal with the combined environmental pressures of logging, farming, industry, and urban growth. In addition, many estuaries fall within their borders, and some have cities on their major rivers.

The areas along the Olympic Peninsula and Washington coast—Hood Canal, North Olympic, Pacific Coast, Chehalis, and Willapa Bay—all have resource-based economies. The groups play a key role in helping balance the needs of both the human community and the salmon. A significant portion of the area is managed by state, federal and tribal agencies, and private timber companies. Most of these regions receive substantial rainfall.

The Lower Columbia group also serves an area heavily impacted by forestry practices, operating in an economy dependent on logging. The group is one of three along the Columbia River. The others are located in Eastern Washington. Mid Columbia and Upper Columbia, along with Tri State Steelheaders, formed new regions January 2001. The regions east of the Cascade Mountains are characterized by low rainfall, irrigated lands, and hydropower projects—all affecting fish habitat.

EXECUTIVE SUMMARY

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***“Until we find a way to effectively engage people at the watershed level in development and implementation of strategy and ultimately a recovery plan, we are not going to succeed.*”**

“The proof will be in the pudding as to whether we are able to gain support from watershed groups. If we are not successful at that, we will not be successful at bringing the fish back.”

— William D. Ruckelshaus, Chairman SRFB

PROGRAM HIGHLIGHTS

Challenges

- * Decline of fish—listings of many species of salmon, steelhead, and char under the Endangered Species Act.
- * Degradation of salmon habitat—urban and industrial development, past forestry practices, farming along streams and rivers, and increased population pressures.
- * Reduced state and federal funding to the RFEG Program.

“All statewide salmon recovery is local. Volunteers working with property owners through local enhancement organizations...play a critical role in getting our salmon back.”

— Kelli Linville, WA State Representative

Actions

Hard Working

Taking a hands-on approach, the RFEGs work hard to reverse the decline of fish and degradation of salmon habitat. The groups maximize their dollars to get as much done on the ground as possible. Their activities include—

- Removing and replacing culverts
- Placing large woody debris in streams
- Planting native vegetation in riparian zones
- Removing invasive plant species
- Building fences to protect streams from livestock
- Producing fish
- Reconstructing historic channels or enhancing channel structure
- Removing barriers to good habitat
- Scientific monitoring of past projects
- Assessing habitat conditions
- Educating the community

EXECUTIVE SUMMARY

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Community Based

The regional focus enables the RFEGs to prioritize the needs for their areas and involve local communities in habitat restoration and fish production:

- They pull in a large number of local volunteers—a total of 9,006 for the biennium.
- Individual RFEGs establish effective partnerships with many other agencies in their regions, including county and city governments, the United States Forest Service, and local Native American tribes.
- Many RFEGs receive substantial support from local and regional businesses and community members.
- Most groups provide educational programs to schools, landowners, and community members.
- RFEGs facilitate the involvement of private landowners in the fish recovery process.

"Locally-driven salmon recovery projects have provided the best investment to date in the ongoing effort to restore salmon and should serve as a guide for future efforts."

— Slade Gorton, former U.S. Senator from Washington State

Cost Effective

The groups put special emphasis on leveraging funds from many sources. Because they rely on volunteers for a significant portion of their work, they maintain low overhead and administrative expenses. They seek creative funding with in-kind donations, partnerships, and special fundraising activities. In the 1999-2001 biennium the groups—

1. Spent a low percentage of their total combined budget on administration.
2. Received a total of 126,376.5 volunteer hours, for a total contribution of \$1,579,706 (calculated at \$12.50 per hour).
3. Obtained in-kind donations and non-RFEG funds totaling \$8,443,987.
4. Had a ratio of 1:5.7 between RFEG funds and total expenditures.

Long Term Impacts

Strategic Plan: In the past biennium, most groups participated in a strategic planning process. The RFEGs developed individual strategic plans. Both the Advisory Board and the unit administering the RFEG Program within the Washington Department of Fish and Wildlife also developed strategic plans. The process resulted in a clear, long-term direction for all partners in the RFEG Program.

Monitoring: Another important component of the approach is the focus on the scientific monitoring. Groups consistently track and evaluate the effectiveness of past projects, enabling them to improve methods. The monitoring ensures the work of the groups will have lasting impact.

Statewide Network: In addition, the RFEGs' statewide network of expertise enables groups to help each other increase their effectiveness.

This approach to long-term results is essential for the Regional Fisheries Enhancement Groups. All seek to improve fish habitat and increase numbers of salmonids through habitat enhancement and fish production, goals that span many years.

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“A thing is right when it tends to preserve the integrity, stability, and beauty of the biotic community.”

— Aldo Leopold

RESULTS

The cumulative effect of all the activities around the state is impressive. In the past biennium, the groups had a combined total of 332 projects, but the number of actual activities is many times that number. One project listing often includes work at several sites.

However, most groups participate in the following activities:

- Three groups planted a total of 95,816 native species.
- Four groups installed 20,015 feet or 3.8 miles of stream fencing.
- Four groups restored more than 46 miles of streams.
- All the groups installed dozens of culvert replacements.
- Five groups produced more than 5,000,000 fish.
- Two groups distributed 31,573 carcasses for nutrient enrichment.
- The groups also opened thousands of acres of habitat for fish.
- They educated hundreds of groups of students, community members, and landowners about salmon habitat.
- RFEGs removed numerous obstructions in streams and put in gravel, fish ladders, and passages.
- Many groups monitored miles of streams and did assessments of estuaries and watersheds.

The RFEG program makes a special contribution to Washington’s salmon recovery efforts by—

- * Leveraging money for salmon restoration through local in-kind contributions, private donations, and volunteer contributions.
- * Maintaining a ten-year track record.
- * Encouraging stewardship by developing grassroots support and encouraging volunteer involvement.
- * Offering many secondary benefits through their projects, such as enhancing water quality and restoring riparian corridors for all other wildlife species dependent on healthy stream ecosystems.

“Salmon Recovery will only succeed through the actions of local citizens in their watersheds.”

— Jeff Koenings, Director of WDFW

REGIONAL FISHERIES ENHANCEMENT GROUP ADVISORY BOARD

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MISSION

The Board acts in an advisory capacity to the department and legislature in setting operational and financial policies to promote and support the program and foster cooperation between the Enhancement Groups.

OVERVIEW

The Board has seven members appointed to three-year terms by the Director of the WDFW; three at-large positions, two represent recreational fishing interests, two represent commercial salmon fishing interests. The two tribal fisheries commissions each nominate one Board member.

The Board, at its quarterly public meetings, reviews the RFEGs' project proposals and makes recommendations to the Director of WDFW for funding approval. The Board operates with a committee structure with representatives from the RFEGs and Board members. These Committees are Administration, Finance/Budget, Project Review, and RFEG Representative Committee. Each have standard operating procedures.

BOARD MEMBERS

Robert Anderson—At-Large Position, Finance/Budget Committee, *Lynwood, WA*

David Beatty—At-Large Position, Administration Committee, *Bellingham, WA*

Lanny Carpenter—Commercial Fishing Interests, Project Review Committee, *Olympia, WA*

Diane Jones—At-Large Position, Administration and Project Review Committees, *Hansville, WA*

Bob Lake—Commercial Fishing Interests, Project Review Committee, *Grayland, WA*

Jason Scott—Recreational Fishing Interests, Project Review Committee, *Spokane, WA*

Paul Szewczykowski—Recreational Fishing Interests, Project Review Committee, *Bothell, WA*

Terry Wright—Northwest Indian Fisheries Commission, Board Chair, Administration Committee, *Olympia, WA*

Vacant Position—Columbia River Intertribal Fish Commission

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE AND THE RFEG PROGRAM

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MISSION

The Washington Department of Fish and Wildlife provides resources to the RFEGs to engage citizens and their communities in salmon recovery.

OVERVIEW

Funding for the RFEG Program is provided from a portion of the fees assessed to commercial salmon licenses (\$100 per license) and to recreational fishing licenses (\$1 per freshwater, saltwater or combined license; of these licenses, it is the proportion whose purchasers indicated, in a survey, that they will fish for salmon and steelhead). Revenues generated by the state's sale of salmon eggs and carcasses also go to the RFEG Program.

This WDFW administers this dedicated state funding and retains 20% to administer the Program. The fourteen RFEGs equally divide the remaining 80%. Each RFEG receives the allocation of funds when the Director approves an RFEG project proposal. In recent years, the RFEG Program has also received substantial funding, equally apportioned to the Groups and administered by WDFW, from the United States Fish and Wildlife Service.

In addition to its fiduciary (contracting and accounting services) responsibility to the Program, the WDFW is required to review all RFEG project proposals to ensure compatibility with existing laws, WDFW policies, co-management and other salmon recovery efforts conducted in a specific watershed. An RFEG's project proposals are reviewed by the WDFW Watershed Steward in that region prior to submission to the Advisory Board. Watershed Stewards also provide on-site technical assistance including identifying projects, designing projects and permitting.

TABLES AND GRAPHS

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REGIONAL FISHERIES ENHANCEMENT PROGRAM EXPENDITURES: BIENNIUM JULY 1, 1999-JUNE 30, 2001

GROUP	RFEG Funds	Vol Hours	Vol Dollars@		Total Match	Total Spent	Ratio of
			\$12.50/hr	Other Funds			RFEG Funds: Total Spent
1) Nooksack	\$ 237,736	26,248.0	\$ 328,100	\$ 1,362,594	\$ 1,690,694	\$ 1,928,430	1: 8.1
2) Skagit	\$ 170,941	11,841.0	\$ 148,013	\$ 792,498	\$ 940,511	\$ 1,111,452	1: 6.5
3) Stilly-Sno	\$ 220,581	10,056.5	\$ 125,706	\$ 648,291	\$ 773,997	\$ 994,578	1: 4.5
4) Mid-Sound	\$ 168,289	6,237.5	\$ 77,969	\$ 178,418	\$ 256,387	\$ 424,676	1: 2.5
5) South Puget Sound	\$ 188,830	5,971.0	\$ 74,638	\$ 1,305,073	\$ 1,379,711	\$ 1,568,541	1: 8.3
6) Hood Canal	\$ 191,159	19,178.0	\$ 239,725	\$ 1,247,197	\$ 1,486,922	\$ 1,678,081	1: 8.8
7) North Olympic	\$ 125,189	11,286.5	\$ 141,081	\$ 189,462	\$ 330,543	\$ 455,732	1: 3.6
8) Pacific Coast	\$ 183,096	2,232.0	\$ 27,900	\$ 687,700	\$ 715,600	\$ 898,696	1: 4.9
9) Chehalis	\$ 167,905	26,925.0	\$ 336,563	\$ 837,835	\$ 1,174,398	\$ 1,342,303	1: 8.0
10) Willapa Bay	\$ 202,126	5,040.0	\$ 63,000	\$ 610,761	\$ 673,761	\$ 875,887	1: 4.3
11) Lower Columbia	\$ 137,842	695.0	\$ 8,688	\$ 347,858	\$ 356,546	\$ 494,388	1: 3.6
12) Mid Columbia	\$ 111,730	104.0	\$ 1,300	\$ 226,800	\$ 228,100	\$ 339,830	1: 3.0
13) Tri-State (TSS)	\$ 9,437	362.0	\$ 4,525	\$ 0	\$ 4,525	\$ 13,962	1: 1.5
14) Upper Columbia	\$ 12,171	200.0	\$ 2,500	\$ 9,500	\$ 12,000	\$ 24,171	1: 2.0
TOTALS	\$2,127,032	126,376.5	\$ 1,579,706	\$ 8,443,987	\$ 10,023,693	\$ 12,150,725	1: 5.7

REGIONAL FISHERIES ENHANCEMENT GROUP PROJECT TYPES: NUMBER OF PROJECTS

GROUP	Administration	Assessment	Education	Fish	Habitat	Monitoring	Multiple Types	Project Development	Research	Total Projects
				Production	Restoration					
1) Nooksack	3	1	2	4	20	5	0	2	1	38
2) Skagit	4	2	4	2	24	3	2	1	0	42
3) Stilly-Sno	3	0	3	5	25	1	0	0	0	37
4) Mid-Sound	5	0	2	0	18	1	0	1	0	27
5) South Puget Sound	1	3	5	1	23	1	0	0	1	35
6) Hood Canal	5	1	1	2	1	0	15	0	0	25
7) North Olympic	1	0	0	3	21	0	1	0	1	27
8) Pacific Coast	2	1	1	0	18	0	0	0	0	22
9) Chehalis	1	0	0	7	9	1	0	0	0	18
10) Willapa Bay	4	1	0	2	17	0	0	1	0	25
11) Lower Columbia	1	2	0	0	8	0	1	0	0	12
12) Mid Columbia	2	0	0	0	14	0	1	0	0	17
13) Tri-State (TSS)	1	0	0	0	0	0	1	0	0	2
14) Upper Columbia	2	0	2	0	1	0	0	0	0	5
TOTALS	35	11	20	26	199	12	21	5	3	332

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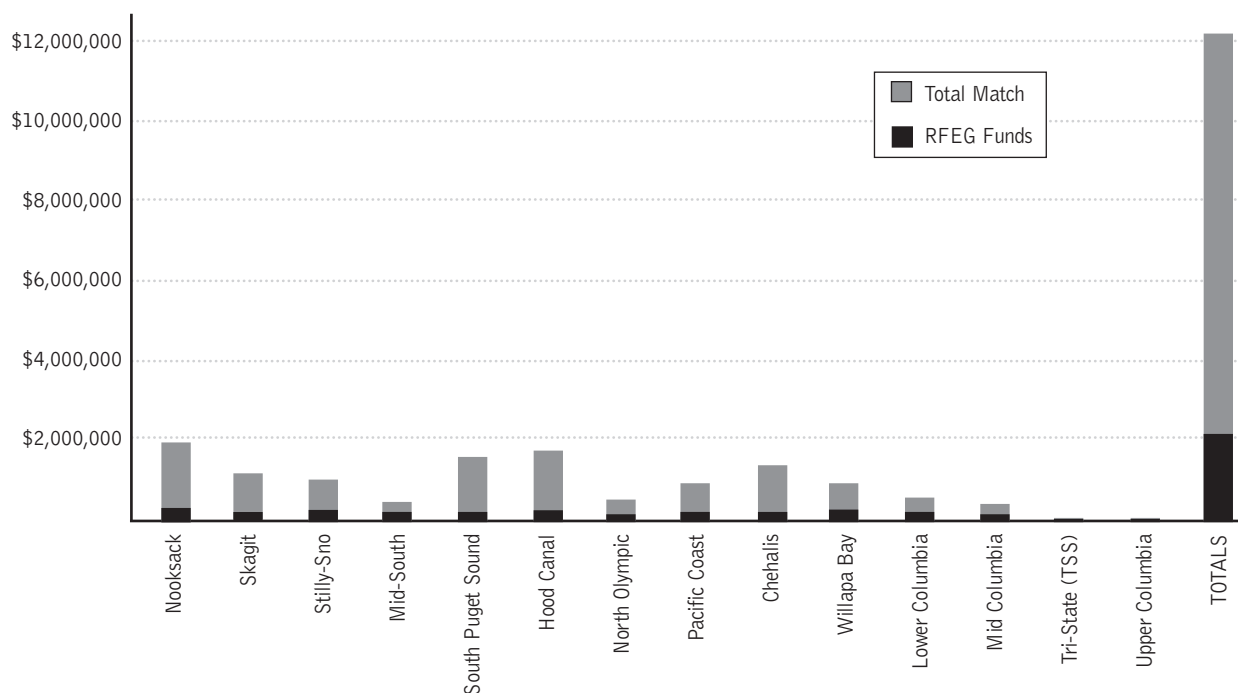
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REGIONAL FISHERIES ENHANCEMENT PROGRAM EXPENDITURES: BIENNIUM JULY 1, 1999-JUNE 30, 2001

Total Spent: RFEF Funds, Volunteer Dollars (at \$12.50/hr), and Other Funds

GROUP	Administration	Assessment	Education	Fish Production	Habitat Restoration	Monitoring	Multiple Types	Project Development	Research
1) Nooksack	\$ 134,230	\$ 0	\$ 136,741	\$ 154,720	\$ 1,291,140	\$ 108,306	\$ 9,835	\$ 66,863	\$ 26,595
2) Skagit	\$ 104,800	\$ 16,642	\$ 61,596	\$ 29,868	\$ 682,470	\$ 120,273	\$ 65,000	\$ 30,805	\$ 0
3) Stilly-Sno	\$ 40,980	\$ 0	\$ 98,110	\$ 31,429	\$ 817,879	\$ 6,181	\$ 0	\$ 0	\$ 0
4) Mid-Sound	\$ 93,838	\$ 0	\$ 53,643	\$ 0	\$ 239,898	\$ 34,797	\$ 0	\$ 2,500	\$ 0
5) South Puget Sound	\$ 102,211	\$ 276,743	\$ 190,808	\$ 750	\$ 982,586	\$ 788	\$ 0	\$ 0	\$ 14,655
6) Hood Canal	\$ 142,138	\$ 10,000	\$ 13,739	\$ 101,981	\$ 50,039	\$ 0	\$ 1,360,184	\$ 0	\$ 0
7) North Olympic	\$ 10,117	\$ 0	\$ 0	\$ 94,956	\$ 292,711	\$ 0	\$ 57,148	\$ 0	\$ 800
8) Pacific Coast	\$ 78,844	\$ 9,500	\$ 558	\$ 0	\$ 809,794	\$ 0	\$ 0	\$ 0	\$ 0
9) Chehalis	\$ 77,549	\$ 0	\$ 0	\$ 525,164	\$ 731,175	\$ 8,415	\$ 0	\$ 0	\$ 0
10) Willapa Bay	\$ 181,191	\$ 10,000	\$ 0	\$ 8,026	\$ 643,337	\$ 0	\$ 0	\$ 33,334	\$ 0
11) Lower Columbia	\$ 10,454	\$ 9,813	\$ 0	\$ 213	\$ 461,758	\$ 0	\$ 12,150	\$ 0	\$ 0
12) Mid Columbia	\$ 1,700	\$ 0	\$ 0	\$ 0	\$ 93,724	\$ 0	\$ 244,406	\$ 0	\$ 0
13) Tri-State (TSS)	\$ 9,437	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,525	\$ 0	\$ 0
14) Upper Columbia	\$ 12,577	\$ 0	\$ 3,194	\$ 0	\$ 8,400	\$ 0	\$ 0	\$ 0	\$ 0
TOTALS	\$1,000,066	\$332,698	\$558,389	\$947,107	\$7,104,911	\$278,760	\$1,753,248	\$133,502	\$42,050

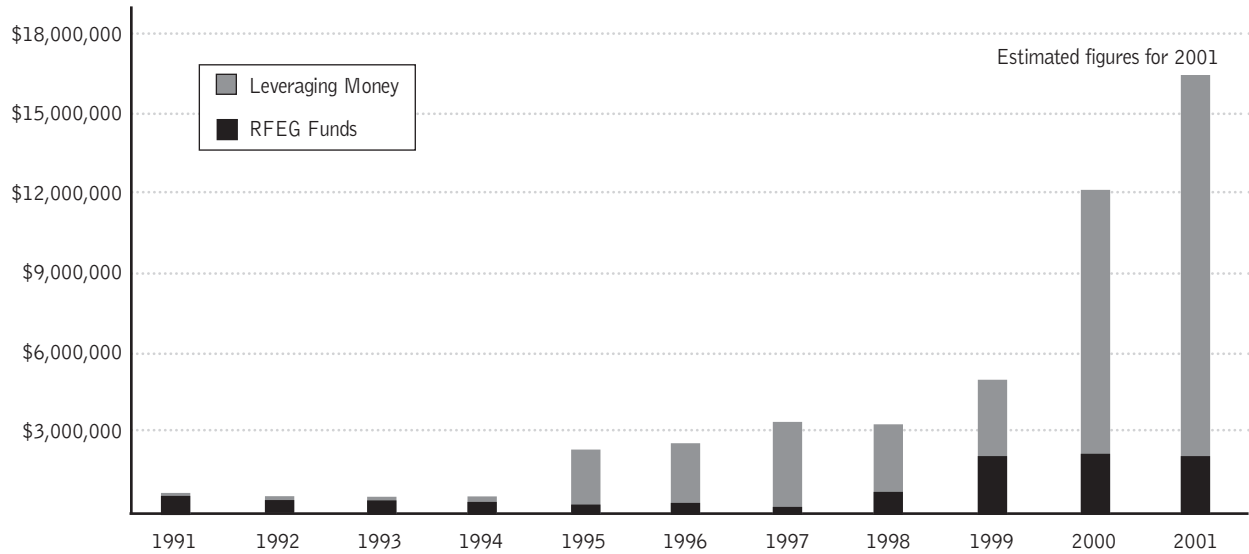
RATIO OF RFEF FUNDS TO TOTAL MATCH



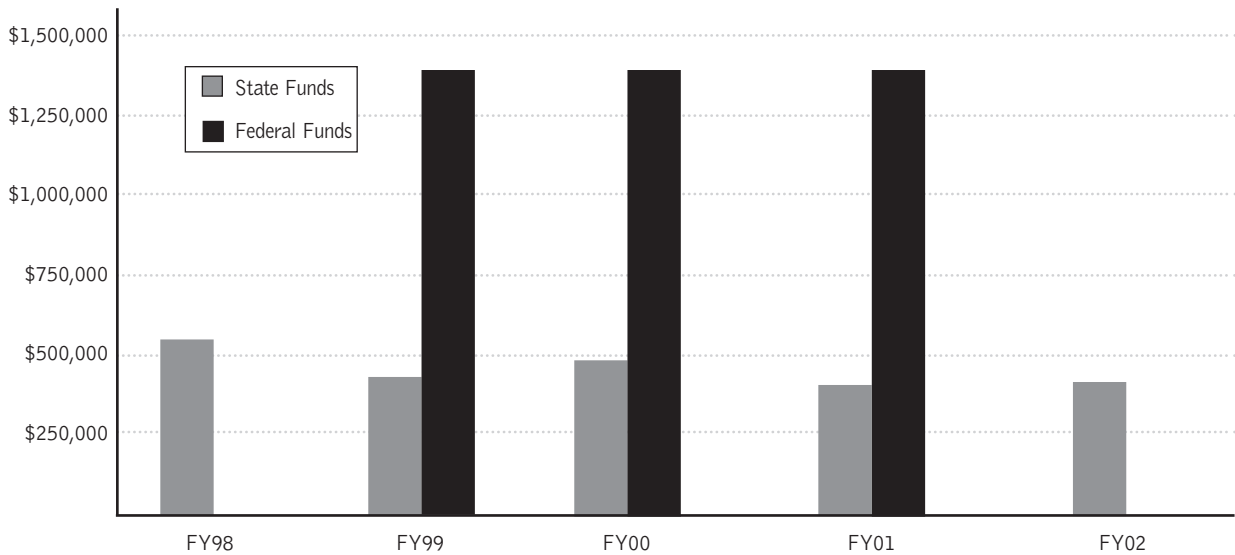
TABLES AND GRAPHS

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RFEGS LEVERAGING OF STATE AND FEDERAL FUNDS

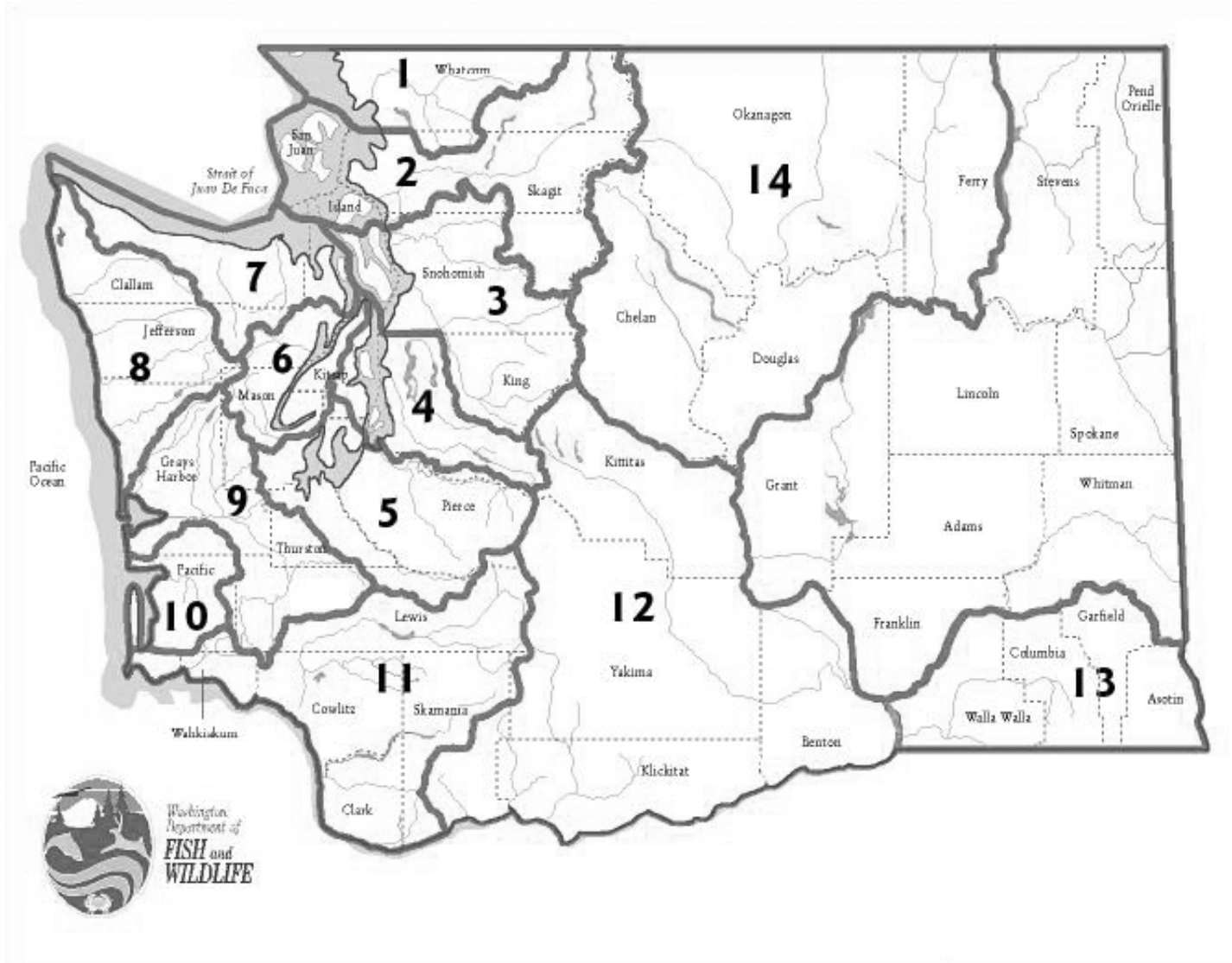


POTENTIAL RFEG FUND ALLOCATION FY98-02



REGIONAL FISHERIES ENHANCEMENT GROUP BOUNDARIES

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REGIONAL FISHERIES ENHANCEMENT GROUPS GEOGRAPHIC BOUNDARIES

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REGION 1: NOOKSACK SALMON ENHANCEMENT ASSOCIATION

Includes most of WRIA 1: The major watershed is the Nooksack River. This region also includes nearshore habitat and other watersheds located from the Canada-U.S. border south to Oyster Creek in Samish Bay and also watersheds flowing from Whatcom County to the Fraser River.

REGION 2: SKAGIT FISHERIES ENHANCEMENT GROUP

Includes WRIAs 2, 3 and 4, and parts of 1 and 6: The major watersheds are the Skagit and Samish Rivers. This region also includes nearshore habitat and other watersheds located from Samish Bay, south of Oyster Creek, south to and including, Penn Cove on Whidbey Island, out to and including, the San Juan Islands.

REGION 3: STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Includes WRIAs 5 and 7 and parts of 6 & 8: The major watersheds are the Stillaguamish and Snohomish Rivers. This region also includes nearshore habitat and other watersheds located; south of Penn Cove on Whidbey Island, including Camano Island; the mainland south to the Edmonds ferry dock.

REGION 4: MID-SOUND SALMON ENHANCEMENT GROUP

Includes WRIAs 8 and 9 and part of 15: The major watersheds are those entering Lake Washington and the Green/Duwamish River. This region also includes nearshore habitat and other watersheds located from the Edmonds ferry dock south to Brown's Point, across to the north side of Gig Harbor, and north around Foulweather Bluff down to the Hood Canal Bridge.

REGION 5: SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Includes WRIAs 10, 11, 12, 13, 14, and parts of 15: The major watersheds are the Puyallup, Nisqually, and Deschutes Rivers. This region also includes nearshore habitat and other watersheds draining into Puget Sound south of a line between Brown's Point and the north side of the entrance to Gig Harbor.

REGION 6: HOOD CANAL SALMON ENHANCEMENT GROUP

Includes WRIA 16 and parts of 14, 15 and 17: Major watersheds include the Skokomish, Hamma Hamma, Duckabush, Dosewallips, and Quilcene Rivers. This region also includes nearshore habitat and other watersheds located in Hood Canal south of the Hood Canal Bridge.

REGION 7: NORTH OLYMPIC SALMON COALITION

Includes WRIAs 18 and 19 and part of 17: Major watersheds include the Dungeness, Elwha, Lyre, Pysht, Clallam, and Hoko Rivers. This region also includes nearshore habitat and other watersheds located north and west of the Hood Canal Bridge, to Cape Flattery.

REGIONAL FISHERIES ENHANCEMENT GROUPS GEOGRAPHIC BOUNDARIES

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REGION 8: PACIFIC COAST SALMON COALITION

Includes WRIAs 20 and 21: Major watersheds include the Sooes, Ozette, Quillayute, Hoh, Queets, and Quinault Rivers. This region also includes nearshore habitat and other watersheds entering directly into the Pacific Ocean between Cape Flattery and the north side of Grays Harbor.

REGION 9: CHEHALIS BASIN FISHERIES TASK FORCE

Includes WRIAs 22 and 23: Major watersheds include the Humptulips, Hoquiam, Wishkah, Johns and Chehalis Rivers. This region also includes nearshore habitat within, and other watersheds flowing into Grays Harbor.

REGION 10: WILLAPA BAY REGIONAL FISHERIES ENHANCEMENT GROUP

Includes most of WRIA 24: Major watersheds include the North, Willapa, Palix, Nemah, Bear, Long Island and Naselle Rivers. This region also includes nearshore habitat within, and other watersheds flowing into Willapa Bay.

REGION 11: LOWER COLUMBIA FISH ENHANCEMENT GROUP

Includes WRIAs 25, 26, 27 and 28 and parts of 24 and 29: Major watersheds include the Chinook, Grays, Elochoman, Cowlitz, Kalama, Lewis, and Washougal Rivers. This region also includes Columbia River habitat and other watersheds entering the Washington side of the Columbia River below Bonneville Dam.

REGION 12: MID-COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Includes WRIAs 30, 31, 37, 38, 39 and 40 and most of 29: Major watersheds include the Little White Salmon, White Salmon, Wind, Yakima, and Klickitat Rivers. This region also includes Columbia River habitat and other watersheds entering the Columbia River from the north and west above Bonneville Dam, up to Rock Island Dam.

REGION 13: TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Includes WRIAs 32, 33 and 35 and parts of 34 and 36: Major watersheds include the Snake and Walla Walla Rivers. This region also includes Columbia River habitat and other watersheds entering the Columbia River from the east between McNary Dam and the Interstate 182 Bridge at Richland.

REGION 14: UPPER COLUMBIA FISHERIES ENHANCEMENT GROUP

Includes WRIAs 44, 45, 46, 47, 48, 49, 50, 51 and 52: Major watersheds include the Wenatchee, Entiat, Methow, Okanogan and San Poil Rivers. This region also includes Columbia River habitat and other watersheds entering the Columbia River above Rock Island Dam up to and including the San Poil watershed.

RFEG OVERVIEWS AND PROJECT DESCRIPTIONS

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REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Bertrand Cr Bank Stabilization	\$ 2,698	0.0	\$ 0	\$ 3,038	\$ 5,736
2) Tools for Riparian Restoration	\$ 2,420	0.0	\$ 0	\$ 0	\$ 2,420
3) WA Conservation Corps Crew Support	\$ 24,919	0.0	\$ 0	\$ 100,000	\$ 124,919
4) Whatcom County Stream Habitat Imp	\$ 17,905	1,025.0	\$ 12,813	\$ 67,940	\$ 98,658
5) Whatcom Cr Habitat Restoration	\$ 4,825	1,996.5	\$ 24,956	\$ 45,000	\$ 74,781
6) Project Support: Administration	\$ 9,942	623.0	\$ 7,788	\$ 14,000	\$ 31,730
7) Stream Monitoring Equipment	\$ 5,527	1,119.0	\$ 13,988	\$ 10,417	\$ 29,932
8) Spawner Survey & Monitoring	\$ 20,366	0.0	\$ 0	\$ 9,500	\$ 29,866
9) Smolt Trap Installation	\$ 6,307	680.0	\$ 8,500	\$ 18,615	\$ 33,422
10) RSI Maintenance	\$ 1,214	3,150.0	\$ 39,375	\$ 0	\$ 40,589
11) RFEG Strategic Plan	\$ 1,000	200.0	\$ 2,500	\$ 0	\$ 3,500
12) Native Plant Nursery	\$ 8,200	0.0	\$ 0	\$ 18,100	\$ 26,300
13) Mobile Shop Building	\$ 12,202	0.0	\$ 0	\$ 0	\$ 12,202
14) Grant Writing	\$ 3,500	0.0	\$ 0	\$ 0	\$ 3,500
15) Beaver Transport Program	\$ 5,000	480.0	\$ 6,000	\$ 15,595	\$ 26,595
16) Computer Equipment	\$ 6,500	85.0	\$ 1,063	\$ 28,651	\$ 36,214
17) B'ham Vo-Tech Hatchery Support	\$ 7,500	0.0	\$ 0	\$ 0	\$ 7,500
18) Administration: FY 2000	\$ 27,700	0.0	\$ 0	\$ 71,300	\$ 99,000
19) Project Development	\$ 30,649	0.0	\$ 0	\$ 0	\$ 30,649
20) Photo Monitoring Equipment	\$ 1,500	59.0	\$ 738	\$ 0	\$ 2,238
21) Americorps Position Support	\$ 3,950	0.0	\$ 0	\$ 14,000	\$ 17,950
22) Mileage Reimbursement	\$ 3,887	0.0	\$ 0	\$ 2,083	\$ 5,970
23) Macroinvertebrete Monitoring	\$ 1,561	19.0	\$ 238	\$ 11,050	\$ 12,849
24) Intern Stipends	\$ 5,669	0.0	\$ 0	\$ 4,166	\$ 9,835
25) Hatchery Water Intake Screens	\$ 6,500	0.0	\$ 0	\$ 0	\$ 6,500
26) Habitat Restoration Ed Materials	\$ 3,612	318.0	\$ 3,975	\$ 10,000	\$ 17,587
27) Cain Lake Trib Habitat Res	\$ 3,348	32.0	\$ 400	\$ 3,470	\$ 7,218
28) Fish Passage 2000	\$ 9,335	0.0	\$ 0	\$ 3,126	\$ 12,461
29) Spring Chinook Acclimation Ponds	\$ 0	4,090.5	\$ 51,131	\$ 49,000	\$ 100,131
30) Centennial Clean Water: Riparian Res	\$ 0	0.0	\$ 0	\$ 169,350	\$ 169,350
31) SF Nooksack Assessment & Res	\$ 0	0.0	\$ 0	\$ 112,796	\$ 112,796
32) Riparian Res: Whatcom County DID	\$ 0	3,466.0	\$ 43,325	\$ 75,000	\$ 118,325
33) Jobs for the Environment: Riparian Res	\$ 0	0.0	\$ 0	\$ 169,121	\$ 169,121
34) Jobs in the Woods: Watershed Res	\$ 0	0.0	\$ 0	\$ 148,382	\$ 148,382
35) Squalicum Cr Restoration	\$ 0	1,166.0	\$ 14,575	\$ 20,000	\$ 34,575
36) NRCS: Scott Ditch Project	\$ 0	0.0	\$ 0	\$ 2,478	\$ 2,478
37) NSEA/USFS Sediment Reduction	\$ 0	0.0	\$ 0	\$ 144,000	\$ 144,000
38) Students for Salmon	\$ 0	7,739.0	\$ 96,738	\$ 22,416	\$ 119,154
TOTALS	\$ 237,736	26,248.0	\$ 328,100	\$ 1,362,594	\$ 1,928,430

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The Nooksack Salmon Enhancement Association (NSEA) is a nonprofit community-based organization dedicated to restoring economically productive, self-sustaining salmon runs in Whatcom County through habitat restoration, education, community participation, and the production of salmon.

OVERVIEW

In the 1999-2001 Biennium, NSEA has continued to grow, as it has since its inception in the 1980's. NSEA began with an enthusiastic group of local fishers, teachers, business people, and students. They united to reverse the trend of declining salmon runs in Whatcom County.



Photo: WCC crew pots plants at NSEA Native Plant Nursery.

Now as one of the state's RFEs, NSEA yearly increases both its quality and quantity of work, all aimed at restoring self-sustaining salmon runs in Whatcom County, Washington. We continue to build a dedicated group of volunteers and staff.

NSEA operates with fifteen board members, ten staff, two Washington Conservation Corps crews, an alternative corrections crew, and community volunteers. All are committed to reversing trends that have resulted in an 80% loss of Whatcom County salmon stocks in the last century. NSEA has efficiently leveraged public funds with private resources, establishing partnerships between landowners, business partners, and tribes, local, state, and federal agencies.

In the 1999-2001 biennium, NSEA—

- * Worked on new 50 riparian project sites throughout the Nooksack River Watershed.
- * Did restoration projects on 22 miles of streams.
- * Cared for 2,000,000 threatened Spring Chinook fry in four acclimation ponds, thanks to volunteers who care for the fish each spring.
- * Worked with 80 school classes on restoration education and projects.
- * Built its second native plant nursery, and planted over 50,000 native plants along streams.
- * Completed numerous livestock exclusion, sediment reduction, and instream projects.
- * Worked on scientific monitoring projects including smolt traps, spawner surveys, water quality and vegetation monitoring, with the help of volunteers and interns.
- * Received over \$1,300,000 from grants, contracts, and donations for salmon recovery work in Whatcom County—with only 11% in administrative overhead.

PROJECT HIGHLIGHTS

Spring Chinook Acclimation Ponds: A Success Story

Challenge: The threatened North Fork Nooksack Spring Chinook stock, down to less than 10 natural spawners in 1990, was listed as threatened under the Endangered Species Act in spring 1999.

Action: We run three acclimation ponds and release over one million of the threatened Spring Chinook to the wild every spring. NSEA organizes the annual acclimation pond project, including project planning, partner coordination, volunteer recruitment, training, and scheduling. We manage the sites, located on Excelsior, Kidney,

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and Deadhorse Creeks, in the upper reaches of the North Fork Nooksack River watershed. Whatcom County and Washington Department of Fish and Wildlife have helped fund this program. The U.S. Forest Service has provided sites for the ponds, camping facilities for the volunteers, and a radio communication contact.

The Spring Chinook fry (descended from an original population of 1.8 million native brood stock collected from the North Fork Nooksack in the 1980's) are transferred from WDFW's Kendall Creek Hatchery to the acclimation ponds. The fish are held in the ponds for a few weeks each spring so they will imprint to water in the streams. This process encourages returning adult salmon to spawn in upper watershed tributaries instead of returning to the hatchery.

In the 1999-2001 biennium, 59 NSEA-registered volunteers fed the fish and staffed the ponds in 24 hour shifts, for a total of 2352 donated hours, a contribution valued at \$29,400. Staffing duties have included feeding the relocated chinook fry three times daily, cleaning inflow and outflow screens, recording stream temperatures, logging daily activities at each pond, and making public contacts. Our many dedicated and capable volunteers have made this project possible.

Results: The acclimation ponds have been operating every year since 1994 (except for 1995). In 1997 state biologists documented that adult chinook held as fry in 1994 first began returning to upper North Fork Nooksack streams. With only 10 naturally spawning spring chinook in 1990, 1200 spawned in the wild in 2000. We aim to encourage more wild spawning and rearing of the Spring Chinook in the upper portions of the North Fork system. So far our efforts have paid off in a dramatic increase of returning salmon.



Photo: Volunteer from WWU's LEAD Program helps students in NSEA restoration project.

Sediment Reduction Projects with United States Forest Service Partner

Challenge: Sedimentation from logging and logging roads has heavily impacted aquatic life and water quality in drainages in the North Forks and Middle Forks of the Nooksack River. Consequently, the large populations of resident cutthroat trout and salmonids downstream have less holding habitat. A road deficiency survey first identified the problem roadwork in 1996 and then again in 1999, following storm activity. The studies pinpointed potential mass wasting areas, where continued sediment loading and flood events are severely limiting recovery of chinook, steelhead, Dolly Varden, and bull trout populations in the Nooksack system.

Action: NSEA partnered with United States Forest Service (USFS), with financial support from the Washington Salmon Recovery Funding Board. We coordinated contractors and monitoring in order to provide controlled drainage on 22 miles of Mt. Baker-Snoqualmie National Forest roads.

Work included installation of larger and/or additional culverts, removal of slide debris, reconstruction of the road prism, ditching and blading to improve drainage, side-cast removal and revegetation. We installed water bars on roads to prevent sedimentation during storm events. The water bar design, implemented on similar projects by the Forest Service, has proven successful.

Results: NSEA's work should reduce risk of road failure, erosion, and sediment production. Water quality will improve, and the risk of landslides and sediment delivery will incrementally diminish, resulting in reduction of potential for erosion, scour, and sedimentation associated with the existing situation. Less runoff and sediment transport will occur. Salmon and other aquatic species will have better spawning, rearing, and holding habitat conditions.

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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NSEA BOARD OF DIRECTORS

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Lummi Nation—Fisheries Biologist*
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Ben Hart, *Sehome High School Student*
Braelan Barnett, *Sehome High School Student*



Photo: NSEA crew working on instream project.

NSEA STAFF MEMBERS

Wendy Scherrer, Executive Director
Carl Ekstrom, Financial Manager
Rachel Deryckx, Program Coordinator
Darrell Gray, Project Manager
Shannon Moore, D.I.D Project Coordinator

Susanna Stodden, Environmental Educator, AmeriCorps, WA Conservation Corps
Erin Harwood, Volunteer Coordinator, AmeriCorps

CREW MEMBERS

Dave Barker
Peter Ivicevich
Leif Swanson
Dan Weeks
John Hymas
John Zitcovich

WASHINGTON CONSERVATION CORPS CREW LEADERS

Frank Corey
Nick Saling



REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999- JUNE 30, 2001

1) Bertrand Creek Bank Stabilization (#31010046)

Large woody debris (LWD) was placed into Bertrand Creek on two farm sites where major erosion had occurred. LWD was cabled to ecology blocks and pilings to provide structure for fish habitat and bank stabilization. Resloped banks and geotextile fabric and native vegetation were installed to stabilize banks.

Project Partners: WDFW, Whatcom County, Callan Construction
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,698
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 3,038
Total Expenditures:	\$ 5,736

2) Tools for Riparian Restoration (#31000961)

Handtools, including shovels, rakes, and pruners, were purchased to support NSEA's volunteer riparian restoration program. NSEA hosted 20 Saturday volunteer planting projects during the 2000-2001 planting season, in addition to 80 school and other community group planting projects.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,420
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,420

3) Washington Conservation Corps Crew Support (#31010048)

These funds were used to purchase riparian restoration materials and provide matching money for the Washington Conservation Corps crew. Materials included mulch, stakes, tree wrap, caging, etc. The crew completed riparian restoration projects along 4,500 feet of a stream in Whatcom County during the 2000-2001 planting season.

Project Partners: WDFW, Whatcom County
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 24,919
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$100,000
Total Expenditures:	\$124,919

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Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Whatcom County Stream Habitat Improvement (#58200303)

These funds were used to purchase plants and other materials for 12 NSEA salmon habitat restoration projects on lowland streams in Whatcom County. Materials included plants, mulch, tree wrap, stakes, and caging. Labor was provided by volunteers and WCC crews.

Project Partners: WDFW, WA Department of Ecology
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 17,905
Volunteer Hours: 1025 =	\$ 12,813
Other Contributions:	\$ 67,940
Total Expenditures:	\$ 98,658

5) Whatcom Creek Habitat Restoration (#58200301)

Extensive riparian planting, invasive plant removal and stream restoration has occurred over the past two years along a highly visible area along Whatcom Creek, from the estuary to 1/4 mile upstream. Funds for this significant project have gone for plants, tools, mulch, trash removal and volunteer work parties.

Project Partners: WDFW, Rotary Clubs, Whatcom County Foundation
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,825
Volunteer Hours: 1997 =	\$ 24,956
Other Contributions:	\$ 45,000
Total Expenditures:	\$ 74,781

6) Project Support: Administration (#58200298)

Rent, utilities, insurance, phone, internet services, and executive director and accountant wages were included. Coverage of these administrative costs supported NSEA projects and programs.

Project Partners: WDFW, Dudley Foundation, Visio Corporation
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 9,942
Volunteer Hours: 623 =	\$ 7,788
Other Contributions:	\$ 14,000
Total Expenditures:	\$ 31,730

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7) Stream Monitoring Equipment Flow Meter (#31010353)

Supplies such as sampling equipment, film, paper, pencils, pens, compasses, clipboards were purchased under this contract and used for stream monitoring purposes. With these supplies, volunteers collected monitoring data at over 50 different sites.

Project Partners: WDFW, WA Conversation Com.
Project Status: Completed
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 5,527
Volunteer Hours: 1119 =	\$ 13,988
Other Contributions:	\$ 10,417
Total Expenditures:	\$ 29,931

8) Spawner Survey and Monitoring (#52800648)

WCC crewmembers and volunteers monitored 15 spawning indexes along lowland streams in Whatcom County from October 1999 to January 2001. NSEA's monitoring efforts are part of larger program coordinated by WDFW, and Lummi and Nooksack tribes.

Project Partners: WDFW, DOE, WA Conservation Corps
Project Status: Completed
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 20,366
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 9,500
Total Expenditures:	\$ 29,866

9) Smolt Trap Instillation and Monitoring (#58200646)

This funding provided materials, mileage, and stipend for volunteers to staff and monitor smolt traps—on Squalicum, Deer, Terrell and Peat Bog Pond Creeks. Data collected on weight, length, and scales was shared with co-managers, and used to prioritize restoration projects.

Project Partners: WDFW, DOE, WA Conservation Corps, WA
Conservation Com.
Project Status: Completed
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 6,307
Volunteer Hours: 680 =	\$ 8,500
Other Contributions:	\$ 18,615
Total Expenditures:	\$ 33,422

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10) RSI Project Maintenance (#58200300)

A water pump system, purchased with this grant, assisted Bellingham Technical College students with hatchery production of eyed eggs for RSIs.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 1,214
Volunteer Hours: 3150 =	\$ 39,375
Other Contributions:	\$ 0
Total Expenditures:	\$ 40,589

11) RFEG Strategic Plan (#31010137)

The Strategic Plan for NSEA, in coordination with WDFW strategic planning, was accomplished in 2001.

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 200 =	\$ 2,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,500

12) Project Support: Native Plant Nursery (#31000960)

In 2000/2001 NSEA established a new native plant-potted stock nursery in addition to replacing stock at our two field nurseries. Over 23,000 plants were planted. These plants are used for NSEA's riparian planting projects.

Project Partners: WDFW, Western WA University, WCC
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 8,200
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 18,100
Total Expenditures:	\$ 26,300

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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13) Project Support: Mobile Shop Building (#31000959)

NSEA purchased a 44'x11' jobsite trailer used for tool storage and a staging area. The trailer was leveled, strapped and wired. The NSEA WCC crew built shelving and storage racks for tools and a loading ramp with two stair cases.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 12,202
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 12,202

14) Project Support: Grant Writing (#58200299)

The NSEA Director and Project Manager wrote grants to successfully raise \$750,000 annually for projects and programs.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,500

15) Beaver Transplant Program (#31010352)

This project resulted in the identification of beaver relocation sites, which have potential to enhance salmonid production. Activities included mapping, monitoring of vegetation and fish use, habitat enhancement, permitting, and partner coordination for beaver relocation in summer 2001.

Project Partners: WDFW
Project Status: Completed
Project Type: Research

Fiscal Summary

RFEG Funds Spent:	\$ 5,000
Volunteer Hours: 480 =	\$ 6,000
Other Contributions:	\$ 15,595
Total Expenditures:	\$ 26,595

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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16) Project Support: Computer Equipment (#31010045)

Computer equipment was purchased, including a computer, scanner, and printer. In addition, NSEA acquired an accessory item to establish a system for GIS mapping, site planning, project design, and graphic layout for projects and programs.

Project Partners: WDFW, Microsoft, WA Service Corps, Comospace
Training, ESRI-GISsoftware
Project Status: Completed
Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 6,500
Volunteer Hours: 85 =	\$ 1,063
Other Contributions:	\$ 28,651
Total Expenditures:	\$ 36,214

17) Bellingham Vo-Tech Hatchery Support (#58200294)

The Bellingham Technical College Fisheries Technology Program received equipment for Whatcom Creek Hatchery operations.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production Support

Fiscal Summary

RFEG Funds Spent:	\$ 7,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 7,500

18) Project Support: Administration for FY 2000 (#58200297)

Administrative salaries and NSEA office costs were covered.

Project Partners: WDFW, Individual Donors, Metcalf Hodges-taxes
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 27,700
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 71,300
Total Expenditures:	\$ 99,000

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Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

19) Project Development (#3100956)

Project development activities resulted in the design, funding and implementation of the following: three sediment reduction projects on USFS land, seven new riparian projects, seven instream projects, and fifteen education projects for school groups.

Project Partners: WDFW
Project Status: Completed
Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 30,649
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 30,649

20) Photo Monitoring Equipment (#31001416)

Camera equipment was used to monitor restoration work at many different sites. This camera has been used by several crews, staff, and volunteers.

Project Partners: WDFW
Project Status: Completed
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 1,500
Volunteer Hours: 59 =	\$ 738
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,238

21) Americorps Position Support (#58200647)

The AmeriCorps position has provided key staff to assist in implementation of NSEA's monitoring and volunteer project coordination.

Project Partners: WDFW, WA Service Corps
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,950
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 14,000
Total Expenditures:	\$ 17,950

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22) Mileage Reimbursement (#31000958)

All funds were allocated to volunteers who worked on a variety of projects, including education, monitoring, spawner surveys, habitat assessments, restoration, and more.

Project Partners: WDFW, WA Conservation Commission
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,887
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 2,083
Total Expenditures:	\$ 5,970

23) Macroinvertebrate Monitoring (#31001421)

Funds were used to develop a macroinvertebrate monitoring program and to purchase equipment to run the program. Macroinvertebrate samples, taken at NSEA restoration projects, have provided baseline data collection.

Project Partners: WDFW, Western WA University, WA
Conservation Commission
Project Status: Completed
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 1,561
Volunteer Hours: 19 =	\$ 238
Other Contributions:	\$ 11,050
Total Expenditures:	\$ 12,849

24) Intern Stipends (#31000957)

These funds provided stipends to interns who provided valuable services to NSEA. Interns contributed to many programs including monitoring, restoration, education, office support.

Project Partners: WDFW, WA Conservation Commission
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

RFEG Funds Spent:	\$ 5,669
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 4,166
Total Expenditures:	\$ 9,835

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25) Hatchery Water Intake Screens (#31010136)

Hatchery water intake screen, purchased to supply water from Whatcom Creek for the Bellingham Technical College's Whatcom Creek hatchery program, will be installed at low water flows in summer 2001.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 6,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 6,500

26) Habitat Restoration Educational Materials (#58200649)

Funds were used to develop, print, and distribute educational materials, including newsletters, brochures, and fifty curriculum guides about salmon, salmon recovery, monitoring, assessment, and stream restoration.

Project Partners: WDFW, Whatcom Community Foundation
Project Status: Completed
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 3,612
Volunteer Hours: 318 =	\$ 3,975
Other Contributions:	\$ 10,000
Total Expenditures:	\$ 17,587

27) Cain Lake Tributary Habitat Restoration (#58200295)

NSEA replaced an undersized culvert and installed six large woody debris structures in this Cain Lake tributary, a Coho stream. NSEA planted a riparian buffer and a landowner installed fence to prevent horse access.

Project Partners: WDFW, Harkness Contracting, Landowner,
Whatcom County/DOE
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,348
Volunteer Hours: 32 =	\$ 400
Other Contributions:	\$ 3,470
Total Expenditures:	\$ 7,218

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

28) Project Support: Fish Passage 2000 (#31010047)

An undersized culvert was replaced on Bonners Cree/ McIntyre property. Grade control structures will be placed in 2001 after the channel re-establishes. Five weir structures, built on Bear Creek, have provided fish passage into the pond at Northwest Kennels.

Project Partners: WDFW, Whatcom County/DOE
 Project Status: Completed
 Project Type: Habitat Restoration

Fiscal Summary	
RFEG Funds Spent:	\$ 9,335
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 3,126
Total Expenditures:	\$ 12,461

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Spring Chinook Acclimation Ponds

Two million native North Fork Spring Chinook were successfully acclimated at three separate acclimation ponds in the springs of 2000 and 2001. All three ponds were staffed 24 hours per day by volunteers.

Project Partners: WDFW, Whatcom County
 Project Status: Completed
 Project Type: Fish Production

Fiscal Summary	
Volunteer Hours:	4,090.5
Volunteer Dollars @ \$12.50/ hr	\$ 51,131
Other Contributions:	\$ 49,000
Total Expenditures:	\$100,131

2) Centennial Clean Water: Riparian Restoration Projects

The NSEA crew completed riparian restoration projects along 5500 feet of Bertrand and Kamm Creeks and maintained and monitored 35 NSEA riparian projects in Whatcom County. The project also included assessment and monitoring of Tenmile Creek Watershed.

Project Partners: Conservation District, DOE
 Project Status: Completed
 Project Type: Habitat Restoration

Fiscal Summary	
Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$169,350
Total Expenditures:	\$169,350

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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3) Centennial Clean Water: South Fork Nooksack Assessment & Restoration

The NSEA crew completed a habitat and LWD survey along the South Fork Nooksack between the Acme and Saxon Bridges. Data will be used to prioritize projects. The crew also did riparian restoration projects along 5000 feet of the South Fork and tributary channels.

Project Partners: DOE, Whatcom Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$112,796
Total Expenditures:	\$112,796

4) Riparian Restoration on Whatcom County Drainage Improvement Districts

Riparian restoration was done along ten miles of streams within Drainage Improvement Districts. Site preparation, planting and maintenance was coordinated by the NSEA project manager and the work was done by jail crews.

Project Partners: Whatcom County, DOE
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	3,466
Volunteer Dollars @ \$12.50/ hr	\$ 43,325
Other Contributions:	\$ 75,000
Total Expenditures:	\$118,325

5) Jobs for the Environment: Riparian Restoration Projects

The NSEA crew did 6000 feet of riparian planting projects on the South Fork Nooksack and Caron Creek.

Project Partners: WCC Crew, WA DNR/JFE Program
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$169,121
Total Expenditures:	\$169,121

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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6) Jobs in the Woods: Watershed Restoration Projects

The NSEA crew completed riparian planting projects along approximately 5800 feet at seven sites on Black Slough, Tenmile, Deer and Kendall Creeks in Whatcom County.

Project Partners: USFWS, Landowners, WCC Crew
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$148,382
Total Expenditures:	\$148,382

7) Squalicum Creek Restoration

The work included riparian restoration, education, monitoring, and assessment in the Squalicum Creek watershed. Twelve volunteer work parties have focused on this section of the creek over the past year.

Project Partners: Ocean Trust, NOAA
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	1,166
Volunteer Dollars @ \$12.50/ hr	\$ 14,575
Other Contributions:	\$ 20,000
Total Expenditures:	\$ 34,575

8) NRCS: Scott Ditch Project

The NSEA crew completed planting 35 - 30'x30' test plots along Scott Ditch in Whatcom County.

Project Partners: NRCS
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$ 2,478
Total Expenditures:	\$ 2,478

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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9) NSEA/USFS Sediment Reduction Projects

We concentrated on sixteen miles of USFS roads, Grouse Butte and Church Mountain, doing sediment reduction. The project included engineering, reconditioning roadbeds, culvert and waterbar work, seeding, mulching, and monitoring.

Project Partners: DOE, WA SRFB
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/ hr	\$ 0
Other Contributions:	\$144,000
Total Expenditures:	\$144,000

10) Students for Salmon

NSEA staff and volunteers provided over 1800 local students a salmon education program. NSEA offered a curriculum, presentations, field trips and restoration projects to over 70 teachers.

Project Partners: Walmart, Whatcom Community Foundation, WA
Conservation Commission
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	7,739
Volunteer Dollars @ \$12.50/ hr	\$ 96,738
Other Contributions:	\$ 22,416
Total Expenditures:	\$119,154

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Administration 2000	\$ 33,558	761.5	\$ 9,519	\$ 3,730	\$ 46,807
2) Administration 2001	\$ 13,431	841.0	\$ 10,513	\$ 25,100	\$ 49,044
3) Brickyard Creek Restoration	\$ 12,500	212.0	\$ 2,650	\$ 12,191	\$ 27,341
4) Education and Outreach	\$ 1,080	47.5	\$ 594	\$ 2,223	\$ 3,897
5) Community Education 2000	\$ 1,312	455.5	\$ 5,694	\$ 6,250	\$ 13,256
6) Finney Creek Habitat Restoration	\$ 12,500	245.0	\$ 3,063	\$ 156,657	\$ 172,220
7) Habitat Enhancement	\$ 13,640	297.5	\$ 3,719	\$ 0	\$ 17,359
8) Habitat Improvement	\$ 1,334	172.0	\$ 2,150	\$ 468	\$ 3,952
9) Hansen Creek Restoration	\$ 1,206	54.0	\$ 675	\$ 0	\$ 1,881
10) Macroinvertebrate Monitoring	\$ 1,702	540.5	\$ 6,756	\$ 9,887	\$ 18,345
11) Monitoring	\$ 26,181	2,304.5	\$ 28,806	\$ 36,311	\$ 91,298
12) Fidalgo Net Pens	\$ 10,138	1,338.0	\$ 16,725	\$ 2,415	\$ 29,278
13) Native Plant Nursery	\$ 3,000	923.0	\$ 11,538	\$ 3,927	\$ 18,465
14) Project Development	\$ 24,667	491.0	\$ 6,138	\$ 0	\$ 30,805
15) Project Management	\$ 2,481	151.0	\$ 1,888	\$ 5,500	\$ 9,869
16) Riparian Planting	\$ 1,410	506.0	\$ 6,325	\$ 1,041	\$ 8,776
17) RSI	\$ 52	43.0	\$ 538	\$ 0	\$ 590
18) Strategic Planning	\$ 1,000	191.0	\$ 2,388	\$ 1,000	\$ 4,388
19) Stream Signs	\$ 1,120	0.0	\$ 0	\$ 1,323	\$ 2,443
20) WA Conservation Corps Match	\$ 5,000	0.0	\$ 0	\$ 18,000	\$ 23,000
21) WA Conservation Corps Match	\$ 2,629	0.0	\$ 0	\$ 8,000	\$ 10,629
22) Skagit Watershed Council Support	\$ 1,000	285.0	\$ 3,563	\$ 0	\$ 4,563
23) Samish Riparian Habitat Program	\$ 0	0.0	\$ 0	\$ 7,731	\$ 7,731
24) Kennedy Creek Enhancement	\$ 0	0.0	\$ 0	\$ 3,000	\$ 3,000
25) West Fork Colony Cr Enhancement	\$ 0	20.0	\$ 250	\$ 9,172	\$ 9,422
26) Lucas Slough Riparian Restoration	\$ 0	105.0	\$ 1,313	\$ 40,000	\$ 41,313
27) Colony Creek Restoration	\$ 0	268.5	\$ 3,356	\$ 105,200	\$ 108,556
28) Woods Creek Restoration	\$ 0	321.0	\$ 4,013	\$ 23,234	\$ 27,247
29) Spartina Management of Skagit Bay	\$ 0	100.0	\$ 1,250	\$ 23,000	\$ 24,250
30) Samish Riparian Inventory	\$ 0	124.0	\$ 1,550	\$ 8,110	\$ 9,660
31) Hansen Creek Riparian Project	\$ 0	50.0	\$ 625	\$ 600	\$ 1,225
32) Murray Creek Riparian Project	\$ 0	150.0	\$ 1,875	\$ 6,000	\$ 7,875
33) Boyd Pond Fish Passage Improvement	\$ 0	150.0	\$ 1,875	\$ 3,300	\$ 5,175
34) Samish Natural Barriers Assessment	\$ 0	167.5	\$ 2,094	\$ 4,888	\$ 6,982
35) Klahowya Cr Fish Passage	\$ 0	150.0	\$ 1,875	\$ 36,266	\$ 38,141
36) Red Creek Fish Passage Improvement	\$ 0	150.0	\$ 1,875	\$ 47,236	\$ 49,111
37) McElroy Slough Estuary Restoration	\$ 0	97.0	\$ 1,213	\$ 46,500	\$ 47,713
38) Lake Samish Tributaries Enhancement	\$ 0	29.0	\$ 363	\$ 25,000	\$ 25,363
39) People for Salmon	\$ 0	0.0	\$ 0	\$ 28,500	\$ 28,500
40) Skagit County	\$ 0	0.0	\$ 0	\$ 36,500	\$ 36,500
41) Conservation Commission	\$ 0	0.0	\$ 0	\$ 42,000	\$ 42,000
42) CREP	\$ 0	100.0	\$ 1,250	\$ 2,238	\$ 3,488
TOTALS	\$ 170,941	11,841.0	\$ 148,013	\$ 792,498	\$ 1,111,452

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The mission of the Skagit Fisheries Enhancement Group is to build partnerships that educate and engage the community in habitat restoration and watershed stewardship in order to enhance salmonid populations.

OVERVIEW

The Skagit Fisheries Enhancement Group (SFEG), established in 1991, expanded its region in 2001. It now includes not only the Skagit River and Samish Bay watersheds but also the watersheds of the San Juan Islands and northern Whidbey Island. Our staff and restoration crew have continued to grow to accommodate the new challenges of salmon recovery in this larger region. We have worked closely with the Skagit watershed lead entity to develop high priority restoration projects and look forward to developing these types of projects with other lead entities within our enlarged region.



Photo: Students investigate the living environment of a stream.

SFEG's role in statewide salmon recovery is essential because—

- * The Skagit River, its tributaries, sloughs and estuary are important habitat for all five species of salmon (chinook, coho, chum, pink and sockeye) as well as steelhead, cutthroat and bull trout.
- * The Skagit watershed is the largest Puget Sound drainage and supports the largest wild runs of chinook salmon, pink salmon, and bull trout in Puget Sound.
- * The Skagit and San Juan region offers unique restoration opportunities that do not exist in the other more heavily urbanized Puget Sound watersheds.

During the 1999-2001 Biennium, the Skagit Fisheries Enhancement Group—

- * Hired new staff members, expanding the education and outreach capacity for the organization and improving our ability to implement cost-effective projects throughout our region.
- * Developed a strategic plan in partnership with WDFW and the RFEG program to help guide us through our next five years of salmon recovery.
- * Refined five monitoring programs to better evaluate the outcome of restoration projects at over 30 sites.
- * Implemented habitat restoration projects at 26 sites.

Biennium Accomplishments 1999-2001

Habitat Enhancement:	Riparian fencing	4,210 feet
	Riparian revegetation	4.2 miles
	Stream channel improvements	3.1 miles
	Nutrient enhancement	11,573 carcasses
	Improved stream access	5.2 miles
	Nearshore habitat	108 acres
	Riparian habitat inventoried	18.5 miles
Salmon Production:	Remote site incubators	525,000 eggs
	Salt water net pens	340,000 smolts
Outreach:	Community education	3,247 individuals

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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PROJECT HIGHLIGHTS

Upper Finney Creek Instream Restoration Project

Challenge: The Finney Creek watershed was once one of the most productive tributaries of the Skagit River for salmon. However, past destructive logging practices caused sedimentation, stream channel widening, and increased temperature in Finney Creek, resulting in severe degradation of instream habitat.

Action: We strategically placed large woody debris (LWD) and log jams in a 1.5 mile stretch of Upper Finney Creek. Completed in partnership with the US Forest Service, this project utilized a helicopter to place 784 logs into 82 log jams in Upper Finney Creek.

Volunteers helped establish photo monitoring points by taking “before and after” photos for each log jam. In addition, volunteers collected cross section data to track the shape of the stream bed with log jam placements.

Additional measures are simultaneously being taken to decrease sediment input by decommissioning and improving logging roads. Other project partners have included WDFW, Seattle City Light, Fish America Foundation, Salmon Recovery Funding Board, the National Park Service, and the National Fish and Wildlife Foundation.

Results: After just one year, we have already observed significant sediment trapping and channel narrowing. The log jams are trapping gravel-sized sediment and creating a narrower and deeper creek channel. The process will ultimately lower water temperature downstream of the project area, improving water quality and fish habitat.



Photo: Volunteers utilize GPS technology to monitor log jams in Finney Creek

Skagit River Stewards (Monitoring Program):

Challenge: Using trained volunteers, we wanted to assess stream health by collecting samples of Macroinvertebrates—key indicators of watershed health.

Action: The Skagit River Stewards Program trained 40 adult volunteers this biennium to collect samples of macroinvertebrates in streams. Utilizing both these volunteers and US Forest Service technicians, SFEG was able to get excellent macroinvertebrate samples and data analysis. National Park Service biologists are analyzing the data in order to develop a biological index of water quality for Skagit River streams.

Results: SFEG will use the data to track the health of streams after the implementation of restoration projects. Eventually the index of biological integrity, being created by NPS, will enable SFEG to compare the health of project sites to other streams throughout the watershed.

Community members also benefit from their hands-on involvement in the stewardship of streams. By becoming involved, community members share what they’ve learned with their friends and neighbors and are more likely to take actions that protect streams and salmon.

Skagit Watershed Education Project

Challenge: We wish to help elementary students understand the issues and activities affecting water quality and stream health within the Skagit River basin.

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Action: The Skagit Watershed Education Project is an ongoing project involving a diversity of partners. It was developed by the North Cascades Institute and the USFS. Focusing on the Skagit River basin's cultural and natural history, the program creates a field-based environmental education project. Annually, 1500 fourth, fifth and sixth grade students learn about and protect local streams, fish, and wildlife.

Results: Education, a long-term endeavor, will help ensure the future health of the Skagit Watershed. Ultimately, we hope to create a sense of stewardship for the river system among the area's younger inhabitants, who will carry this attitude throughout their lives. They'll also share their perspectives with family and friends.

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Photo: Volunteers with the Skagit River Stewards collect aquatic insects called macroinvertebrates to determine the health of local streams.



REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999- JUNE 30, 2001

1) Administration 2000 (#58200283)

This contract funded part of the executive director's salary, rent, utilities, phone and email services. The funds were also used to obtain a \$150,000 grant from the Jobs for the Environment Program in 2000 and secure eight grants from the SRFB that totaled over \$800,000.

Project Partners: WDFW, Skagit County, People for Salmon, Shop Space,
Skagit Valley College, WA State General Admin Services, JFE
Project Status: Completed
Project Type: Administration

Fiscal Summary	
RFEG Funds Spent:	\$ 33,558
Volunteer Hours: 761.5 =	\$ 9,519
Other Contributions:	\$ 3,730
Total Expenditures:	\$ 46,807

2) Administration 2001 (#31010366)

Funds went to the executive director's salary, rent, utilities, phone, and email. In 2001 funds came from several corporations to purchase a laptop computer. Computer systems were upgraded and hardware was purchased for DSL service.

Project Partners: WDFW, Skagit County, JFE, WA State General
Admin Services
Project Status: Ongoing
Project Type: Administration

Fiscal Summary	
RFEG Funds Spent:	\$ 13,431
Volunteer Hours: 841 =	\$ 10,513
Other Contributions:	\$ 25,100
Total Expenditures:	\$ 49,044

3) Brickyard Creek Restoration (#58200279)

Enhancement of 1,800 ft. of Brickyard Creek increased habitat diversity and created spawning areas. Volunteers planted the riparian area. Skagit County replaced a culvert upstream of the project, at the site of a past fencing project.

Project Partners: WDFW, City of Sedro Woolley, Gateway Golf Course,
Skagit County
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary	
RFEG Funds Spent:	\$ 12,500
Volunteer Hours: 212=	\$ 2,650
Other Contributions:	\$ 12,191
Total Expenditures:	\$ 27,341

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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4) Education and Outreach 1999 (#58200287)

A full time volunteer coordinator was employed, and an educational video "Salmon of the Skagit" was made by a volunteer. We also obtained a "Wild Salmon Education Trunk," worked with North Cascades Institute to teach 660 students about watersheds, and educated 20 volunteers in Skagit Conservation District Watershed Masters program.

Project Partners: WDFW, Seafirst Bank, T-shirt Station, GTE, People for Salmon, Skagit Conservation District, North Cascades Institute
Project Status: Completed
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 1,080
Volunteer Hours: 47.5 =	\$ 594
Other Contributions:	\$ 2,223
Total Expenditures:	\$ 3,897

5) Community Education 2000 (#31001801)

Areas of focus included upgrading presentations using Power Point technology, working with North Cascades Institute teaching salmon ecology to 15 schools, and educating volunteers from Watershed Masters. Over 2000 local residents were educated as a result of our efforts in fiscal year 00-01.

Project Partners: WDFW, Boeing, Fidalgo Fly Fishers, Verizon, Bank of America, North Cascades Institute, Skagit Conservation District
Project Status: Ongoing
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 1,312
Volunteer Hours: 455.5 =	\$ 5,694
Other Contributions:	\$ 6,250
Total Expenditures:	\$ 13,256

6) Finney Creek Habitat Restoration (#58200281)

A helicopter strategically placed 784 logs into 82 log jams along 1.5 mi of Finney Creek. The project, done in conjunction with the USFS, will help trap sediment and recreate a narrower and deeper channel. Volunteers established monitoring points and collected data.

Project Partners: WDFW, Fish America, IAC/SRFB, NFWF, USFS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 12,500
Volunteer Hours: 245 =	\$ 3,063
Other Contributions:	\$156,657
Total Expenditures:	\$172,220

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7) Habitat Enhancement (#58200289)

Funds were used as a match for the Colony Creek Project which restored 3200 feet of Colony Creek. Volunteers were active in developing the project, revegetating the riparian area and monitoring the site.

Project Partners: WDFW, JFE, WRP
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 13,640
Volunteer Hours: 297 =	\$ 3,719
Other Contributions:	\$ 0
Total Expenditures:	\$ 17,359

8) Habitat Improvement (#58200282)

Volunteers released 11,573 carcasses into tributaries of the upper Skagit River, helping return nutrients to the food web for wild salmonid fry. Over the past four years, volunteers have distributed 20,000 carcasses in the Skagit River.

Project Partners: WDFW, Wildcat Steelhead Club
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,334
Volunteer Hours: 172 =	\$ 2,150
Other Contributions:	\$ 468
Total Expenditures:	\$ 3,952

9) Hansen Creek Restoration (#58200655)

Large woody debris, placed in 200 feet of Hansen Creek, created habitat complexity for salmon and helped control erosion of the stream banks at the site. Volunteers designed and implemented this project in its entirety.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,206
Volunteer Hours: 54 =	\$ 675
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,881

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10) Macroinvertebrate Monitoring (#58200657)

Skagit River Stewards trained 20 volunteers to collect macroinvertebrates in streams. The index of biological integrity, being created by USFS, will enable Skagit Fisheries Enhancement Group to compare the health of project sites to other streams throughout the watershed.

Project Partners: WDFW, ALEA, North Cascades Institute, USFS
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 1,702
Volunteer Hours: 540.5 =	\$ 6,756
Other Contributions:	\$ 9,887
Total Expenditures:	\$ 18,345

11) Monitoring (#58200284)

Volunteers assisted field crew in counting returning salmon at over 25 project sites, performing vegetation monitoring at 10 sites, and monitoring in-stream habitat at over 25 project sites annually.

Project Partners: WDFW, People for Salmon, Skagit County, JFE,
WA Conservation Commission
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 26,181
Volunteer Hours: 2,304.5 =	\$ 28,806
Other Contributions:	\$ 36,311
Total Expenditures:	\$ 91,298

12) Fidalgo Net Pens (#58200280)

A Puget Sound Anglers partnership helped raise 60,000 chinook and 300,000 coho in saltwater net pens. Volunteers have fed fish, cleaned pens and performed repairs to pens. Since 1994 these volunteer efforts have released a total of 1,725,000 salmon.

Project Partners: WDFW, PSA
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 10,138
Volunteer Hours: 1338 =	\$ 16,725
Other Contributions:	\$ 2,415
Total Expenditures:	\$ 29,278

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13) Native Plant Nursery (#31001799)

The donation of 1,075 native plants started a native plant growing operation. The resulting larger, heartier plants will better compete with invasive species, such as reed canary grass, at restoration sites. Vegetation monitoring will determine the results of using these larger plants.

Project Partners: WDFW, San Juan CD, Volunteer with Plants
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,000
Volunteer Hours: 923 =	\$ 11,538
Other Contributions:	\$ 3,927
Total Expenditures:	\$ 18,465

14) Project Development (#58200658)

We identified projects with landowners, worked with them to develop projects that met their needs, and developed conceptual designs to submit for funding. Of the 13 projects submitted to the lead entity's list, 8 of these projects were funded—totalling more than \$800,000 in SRF Board grants.

Project Partners: WDFW, Skagit County, People for Salmon
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 24,667
Volunteer Hours: 491 =	\$ 6,138
Other Contributions:	\$ 0
Total Expenditures:	\$ 30,805

15) Project Management (#31010367)

A newly hired project manager will greatly improve our ability to implement cost effective projects. As interest for restoration has grown and rules have become more complicated, having an additional staff person to manage and develop projects has become a necessity.

Project Partners: WDFW, JFE
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,481
Volunteer Hours: 151 =	\$ 1,888
Other Contributions:	\$ 5,500
Total Expenditures:	\$ 9,869

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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16) Riparian Planting (#58200288)

Funds were used to host 15 planting parties and purchase native plants, mileage, and miscellaneous items needed for these volunteer events. This project also allows us the flexibility to assist landowners with revegetating riparian areas with volunteers.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,410
Volunteer Hours: 506 =	\$ 6,325
Other Contributions:	\$ 1,041
Total Expenditures:	\$ 8,776

17) RSI (#59200285)

Three RSIs were used annually to hatch 525,000 chum eggs, provided by the Maritime Heritage Hatchery. Volunteers maintained the spring fed reservoirs, the RSIs, walkways and trails throughout the winter months. There were no RSIs in 2000.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 52
Volunteer Hours: 43 =	\$ 538
Other Contributions:	\$ 0
Total Expenditures:	\$ 590

18) Strategic Planning (#31010149)

This project enabled the Skagit Fisheries Enhancement Group to participate in the strategic planning process for the RFEG program. Products include a five year strategic plan and an action plan to implement the goals.

Project Partners: WDFW, Environmental Support Center
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 191 =	\$ 2,388
Other Contributions:	\$ 1,000
Total Expenditures:	\$ 4,388

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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19) Stream Signs (#58200286)

A hundred Yours to Protect signs were installed at stream crossings in the city of Mount Vernon. We also developed new brochures, produced bumper stickers, and designed and produced t-shirts.

Project Partners: WDFW, City of Mount Vernon, T-shirt Station
Project Status: Ongoing
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 1,120
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 1,323
Total Expenditures:	\$ 2,443

20) Washington Conservation Corps Match 99-00 (#58200656)

This grant provided the match for Washington Conservation Corps for one year, helping implement education and revegetation programs and greatly expanding our monitoring programs. Our volunteer did an outstanding job of creating computer databases and getting our records up to date.

Project Partners: WDFW, DOE
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,000
Volunteer Hours:	\$ 0
Other Contributions:	\$ 18,000
Total Expenditures:	\$ 23,000

21) Washington Conservation Corps Match 00-01 (#31010150)

This match for Washington Conservation Corps has provided an individual from the Americorps Program for a year. The WCC member has been mapping our project sites with GPS and entering our projects sites into the Nature Mapping database on the web.

Project Partners: WDFW, DOE
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 2,629
Volunteer Hours:	\$ 0
Other Contributions:	\$ 8,000
Total Expenditures:	\$ 10,629

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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22) Skagit Watershed Council Support (#31000963)

SFEG worked closely with the local Lead Entity, the Skagit Watershed Council, to develop a strategic approach for habitat restoration and protection. This approach identifies target areas for specific activities benefiting depressed salmon species. SFEG played a significant role in the development of SRF Board project lists in 1999 and 2000. through serving on the Restoration, Feasibility, and Strategic Planning Committees. SFEG's director was given the individual recognition award for 2001 for her outstanding contributions to the Council. Participation with the Council has provided an excellent opportunity to share knowledge, develop new partnerships, and strengthen past alliances.

Project Partners: WDFW, Skagit Watershed Council and its 37 member organizations

Project Status: Completed

Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 285 =	\$ 3,563
Other Contributions:	\$ 0
Total Expenditures:	\$ 4,563

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NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Kennedy Creek Enhancement

The riparian area was improved on a tributary to the East Fork of Nookachamps Creek. This project was done in partnership with the Skagit Conservation District and will also benefit a fish passage project completed last year at the site.

Project Partners: Skagit Conservation District
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 3,000
Total Expenditures:	\$ 3,000

2) Samish Riparian Habitat Program

The first project funded through the IAC's Riparian Habitat Program was completed this year in partnership with the Skagit Conservation District. This project restored five acres of Samish River riparian area with 1,781 native plants. We built a fence to keep livestock out of the restored area. This program purchases and protects riparian areas in the upper Samish basin in perpetuity. Funds are also available to restore degraded riparian areas.

Project Partners: Skagit Conservation District, Skagit Land Trust
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 7,731
Total Expenditures:	\$ 7,731

3) West Fork Colony Creek Restoration

A larger culvert replaced an undersized culvert to meet WDFW fish passage design standards. The Trillium Corporation owns the culvert site and donated their equipment to replace the culvert. Above this newly replaced culvert is 3,000 feet of good spawning habitat.

Project Partners: Trillium, NFWF
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	20
Volunteer Dollars @ \$12.50/hr	\$ 250
Other Contributions:	\$ 9,172
Total Expenditures:	\$ 9,422

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4) Lucas Slough Riparian Restoration

Over 8,250 native plants revegetated this fifteen acre area. CREP created the planting plan. Volunteers helped plant 1200 willows and wrap thousands of conifers with protectors to prevent predation by voles. The project—the largest single riparian project completed by SFEG—resulted in the revegetation of over 3600 feet of river and slough habitat.

Project Partners: The Nature Conservancy , Skagit Conservation District, CREP, WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	105
Volunteer Dollars @ \$12.50/hr	\$ 1,313
Other Contributions:	\$ 40,000
Total Expenditures:	\$ 41,313

5) Colony Creek Restoration

A grant from JFE enabled the restoration of 3,200 feet of Colony Creek. This project removed Colony Creek from its drainage ditch location by recreating its historical channel in the floodplain. Four volunteer planting parties revegetated the 20 acre riparian area. These plantings were very well attended, and the project received significant publicity. This project built upon a previous project completed on its tributary, Harrison Creek. Salmon were observed utilizing the new channel almost immediately after the creek was relocated.

Project Partners: JFE, WRP, Blanchard Community, Skagit County,
DOE, USFWS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	268.5
Volunteer Dollars @ \$12.50/hr	\$ 3,356
Other Contributions:	\$105,200
Total Expenditures:	\$108,556

6) Woods Creek Restoration

Weirs were built to improve fish access to the pond area and stream channel upstream (5000 feet). A fence was built to exclude livestock. Volunteers planted the riparian area with native trees and shrubs. The Samish Indian Nation provided funds.

Project Partners: Samish Tribe, Landowner
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	321
Volunteer Dollars @ \$12.50/hr	\$ 4,013
Other Contributions:	\$ 23,234
Total Expenditures:	\$ 27,247

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7) Spartina Management of Skagit Bay

Four Spartina Dig Days were organized. Volunteers learned how spartina damages the native estuary ecosystem and helped remove spartina manually at sites. The Skagit County Weed Board also used mechanical and chemical means to control the growth of spartina. Infested areas were reduced from 72 acres to 45 acres in Skagit Bay.

Project Partners: Skagit County, IAC, SRFB
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	100
Volunteer Dollars @ \$12.50/hr	\$ 1,250
Other Contributions:	\$ 23,000
Total Expenditures:	\$ 23,000

8) Samish Riparian Inventory

This project located and quantitatively evaluated 18.5 miles of riparian habitat in the Samish watershed. The information collected was entered into a database, digitized into a GIS layer, and shared with the Watershed Council. A prioritized list of riparian projects is being created and will be used to identify future restoration projects in the Samish watershed.

Project Partners: Skagit System Cooperative
Project Status: Completed
Project Type: Assessment

Fiscal Summary

Volunteer Hours:	124
Volunteer Dollars @ \$12.50/hr	\$ 1,550
Other Contributions:	\$ 8,110
Total Expenditures:	\$ 9,660

9) Hansen Creek Riparian Project

Site prep began at Hansen Creek for a five acre riparian restoration project funded by JFE.

Project Partners: DNR, JFE
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	50
Volunteer Dollars @ \$12.50/hr	\$ 625
Other Contributions:	\$ 600
Total Expenditures:	\$ 1,225

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10) Murray Creek Riparian Project

A riparian restoration project was implemented using JFE funds. Work crews prepped the site using mechanical means and planted 1,200 feet on both sides of Murray Creek. Murray Creek is a tributary of the Nookachamps Creek.

Project Partners: DNR, JFE
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	150
Volunteer Dollars @ \$12.50/hr	\$ 1,875
Other Contributions:	\$ 6,000
Total Expenditures:	\$ 7,875

11) Boyd Pond Fish Passage Improvement

The SRFB has awarded a \$40,000 grant for this project, currently in the design phase. This project will restore access for salmon into an overflow channel and pond area of the Sauk River (approximately 12,000 square meters). It will provide much needed rearing habitat for a multitude of species including pink, coho, cutthroat, bull trout and chinook.

Project Partners: DNR, JFE, SCD, SRFB
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	150
Volunteer Dollars @ \$12.50/hr	\$ 1,875
Other Contributions:	\$ 3,300
Total Expenditures:	\$ 5,175

12) Samish Watershed Natural Anadromous Barriers Assessment

JFE crews surveyed 149 tributaries to identify natural barriers. Natural barriers consisted of falls, steep cascades, or streams fading out. Just over half the Samish watershed was surveyed, with plans to complete the survey work in late 2001.

Project Partners: DNR, JFE, SSC
Project Status: Ongoing
Project Type: Assessment

Fiscal Summary

Volunteer Hours:	167.5
Volunteer Dollars @ \$12.50/hr	\$ 2,094
Other Contributions:	\$ 4,888
Total Expenditures:	\$ 6,982

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13) Klahowya Creek Fish Passage Improvement

We replaced an undersized culvert with a larger one and removed a failing triple culvert crossing, replacing it with a bridge to better accommodate the natural flows of the creek. The creek was revegetated between the two sites. The two projects will provide improved access to over 3,100 ft of habitat for salmon, including a section of creek enhanced in 1998 by SFEG.

Project Partners: DNR, JFE, NFWF, Landowners, Skagit CD, CREP,
Boy Scouts of America
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	150
Volunteer Dollars @ \$12.50/hr	\$ 1,875
Other Contributions:	\$ 36,226
Total Expenditures:	\$ 38,141

14) Red Creek Fish Passage Improvement

A bridge replaced a perched, undersized culvert to improve fish passage. Landowners purchased a concrete bridge used to replace the perched culvert. As a result of this project, 3,500 feet of good quality spawning habitat was opened to coho, chum, and pink salmon, and steelhead and cutthroat trout.

Project Partners: DNR, JFE, NFWF, Alpine Way Landowner Assoc., SCD,
People for Salmon
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	150
Volunteer Dollars @ \$12.50/hr	\$ 1,875
Other Contributions:	\$ 47,236
Total Expenditures:	\$ 49,111

15) McElroy Slough Estuary Restoration

A SRFB grant of \$461,000 will use a design report to implement the preferred alternative to restore McElroy Slough to a functioning saltwater estuary. The goals of this project are to return salmonid populations to the slough, restore stream and riparian habitat conditions, and reduce flood hazards to the Blanchard community. Funds will be used to prepare a final design, secure permits, develop a monitoring plan, and construct the project.

Project Partners: USFWS, DOE, SRFB, Skagit County, Skagit System Cooperative
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	97
Volunteer Dollars @ \$12.50/hr	\$ 1,213
Other Contributions:	\$ 46,500
Total Expenditures:	\$ 47,713

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16) Lake Samish Tributaries Restoration

The DOE Coastal Protection Fund funded restoration on three tributaries of Lake Samish, using fees collected from a recent fuel truck spill on I-5. Finnegan Creek had improved fish passage to 3,000 feet of habitat, Barnes Creek had improved fish passage through a culvert and revegetation, and Mud Creek had 1,220 feet enhanced for kokanee spawning habitat.

Project Partners: DOE, Camp Lutherwood
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	29
Volunteer Dollars @ \$12.50/hr	\$ 363
Other Contributions:	\$ 25,000
Total Expenditures:	\$ 25,363

17) People for Salmon

Two grants from PFS helped support project development, volunteer coordination, monitoring, and lead entity coordination. PFS funds were essential in funding these components of our programs. Funds were matched by Skagit County, RFEG and Skagit Conservation District.

Project Partners: PFS, SWC
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 28,500
Total Expenditures:	\$ 28,500

18) Skagit County

These funds provided salaries for SFEG's volunteer coordinator, executive director and project manager. Skagit County is very interested in SFEG working with and developing projects with landowners, and educating the public about salmon recovery. Funds were matched by PFS, RFEG, and Skagit Conservation District.

Project Partners: Skagit County
Project Status: Ongoing
Project Type: Multiple types

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 36,500
Total Expenditures:	\$ 36,500

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19) Conservation Commission

A two year grant funded half of SFEG's volunteer coordinator position. Funds were matched by People for Salmon, Skagit County and other sources identified in RFEG education contracts.

Project Partners: Skagit Conservation District, WA Conservation Commission
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 42,000
Total Expenditures:	\$ 42,000

20) Conservation Reserve Enhancement Program

SFEG crews and volunteers completed three CREP projects with the Skagit Conservation District to restore 12 acres of riparian habitat along 4,110 feet of stream.

Project Partners: Landowners
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	100
Volunteer Dollars @ \$12.50/hr	\$ 1,250
Other Contributions:	\$ 2,238
Total Expenditures:	\$ 3,488

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

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PROJECT EXPENDITURES: JULY 1, 1999 - JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Alberg Farm	\$ 2,000	0.0	\$ 0	\$ 0	\$ 2,000
2) Buck Island	\$ 10,000	948.3	\$ 11,853	\$ 1,905	\$ 23,758
3) Everett Net Pen	\$ 520	688.0	\$ 8,600	\$ 3,416	\$ 12,536
4) Funding Development	\$ 8,500	0.0	\$ 0	\$ 2,874	\$ 11,374
5) Griffin Creek	\$ 6,000	248.0	\$ 3,100	\$ 7,342	\$ 16,442
6) Groeneveld Creek	\$ 7,109	827.0	\$ 10,338	\$ 40,721	\$ 58,168
7) Habitat Restoration Project Manager	\$ 39,422	0.0	\$ 0	\$ 0	\$ 39,422
8) Haskell Smolt Trap	\$ 0	368.0	\$ 4,600	\$ 0	\$ 4,600
9) Headrick Farm Cr. Res.	\$ 5,150	90.0	\$ 1,125	\$ 5,250	\$ 11,525
10) Hecla Wetlands	\$ 286	19.0	\$ 238	\$ 500	\$ 1,024
11) Infrastructure: 2000	\$ 16,549	0.0	\$ 0	\$ 250	\$ 16,799
12) Infrastructure	\$ 12,807	0.0	\$ 0	\$ 0	\$ 12,807
13) Kissee Creek	\$ 0	109.5	\$ 1,369	\$ 5,125	\$ 6,494
14) Langley Net Pen: 1999	\$ 206	347.0	\$ 4,338	\$ 1,550	\$ 6,094
15) Langley Net Pen: 2000	\$ 694	0.0	\$ 0	\$ 0	\$ 694
16) Maxwellton Creek	\$ 286	441.0	\$ 5,513	\$ 7,650	\$ 13,449
17) My Creek Fish Passage	\$ 5,000	0.0	\$ 0	\$ 4,136	\$ 9,136
18) NF Stillaguamish Big Wood	\$ 24,068	0.0	\$ 0	\$ 250,000	\$ 274,068
19) NF Stilly Log Jam Mon	\$ 6,181	0.0	\$ 0	\$ 0	\$ 6,181
20) Native Plant Nursery	\$ 55	130.0	\$ 1,625	\$ 200	\$ 1,880
21) Otness Wetland Restoration	\$ 1,300	250.0	\$ 3,125	\$ 22,080	\$ 26,505
22) Portage Creek LWD	\$ 4,948	336.0	\$ 4,200	\$ 400	\$ 9,548
23) Portage Creek Stewardship	\$ 10,000	0.0	\$ 0	\$ 0	\$ 10,000
24) Possession Bait	\$ 1,530	377.0	\$ 4,713	\$ 1,263	\$ 7,506
25) Prairie Creek	\$ 11,052	300.0	\$ 3,750	\$ 9,175	\$ 23,977
26) Project Equipment	\$ 12,000	29.0	\$ 363	\$ 1,160	\$ 13,523
27) Habitat Project Manager	\$ 12,512	300.0	\$ 3,750	\$ 1,194	\$ 17,456
28) Quilceda/Allen Project	\$ 3,000	456.8	\$ 5,709	\$ 50,655	\$ 59,364
29) Riley Slough Restoration	\$ 9,500	247.0	\$ 3,088	\$ 100,763	\$ 113,351
30) Salmon Ecology Speakers	\$ 1,350	144.0	\$ 1,800	\$ 3,000	\$ 6,150
31) Sno-Island Stream Habitat	\$ 1,614	1046.5	\$ 13,081	\$ 8,135	\$ 22,830
32) Stilly Str. Hab. Improvement	\$ 1,557	860.5	\$ 10,756	\$ 1,680	\$ 13,993
33) Stipend Program	\$ 471	433.5	\$ 5,419	\$ 0	\$ 5,890
34) Tree Spade	\$ 6,000	100.0	\$ 1,250	\$ 25,638	\$ 32,888
35) Weber Revegetation	\$ 4,314	355.0	\$ 4,438	\$ 13,026	\$ 21,778
36) Arlington Forestry Grant	\$ 600	282.0	\$ 3,525	\$ 2,537	\$ 6,662
37) Volunteer Coordinator Grant	\$ 0	423.5	\$ 5,294	\$ 76,666	\$ 81,960
TOTALS	\$ 220,581	10056.5	\$ 125,706	\$ 648,291	\$ 994,578

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

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MISSION STATEMENT

To ensure the future of salmon in the Stillaguamish and Snohomish watersheds.

- To achieve our mission, we pursue the following:
- Restore and enhance salmon and salmon habitat.
- Become the leading community-based salmon recovery advocate in our region.
- Facilitate the cultural shift necessary to complete our mission through public education and other means.
- Protect habitat through better regulation, acquisition, easements, and other means.



*Photo: Large woody debris at Prairie Creek
(September 2000)*

OVERVIEW

The membership of the Stilly-Snohomish Fisheries Enhancement Task Force represents many interests—

Commercial fishers
Tribal fisheries
Recreational fishers

Conservation organizations
Agricultural community
Area businesses

To achieve our goals, the Task Force has frequently collaborated with—

Federal agencies
State agencies
Tribal organizations
Local governments

Businesses
Community organizations
Individuals

We regard local, hands-on community involvement as essential to our success. The Task Force is dedicated to the restoration of viable salmonid populations and their habitat in the Stillaguamish and Snohomish River watersheds, a combined land area of more than 2,400 square miles. Our area also covers marine waters (see area description).

Hundreds of volunteers support our three full-time staff members. Since its beginning in 1990, the Task Force has planned, designed, and implemented dozens of enhancement and restoration projects. With volunteer contributions, we've collaborated with other organizations and alliances in many more. Our projects have included stream and riparian restoration, wetland restoration, culvert replacement and weir placement, and improvements to agricultural lands.

BIENNIUM ACCOMPLISHMENTS

Sites worked – 32
Streams restored – 29,220 ft or 5.5 miles
Trees/other vegetation planted – 23,403
Fences installed – 2,570 feet

Wetlands planted – 5 acres
Island forest planted – 2 acres
Fish produced – 127,000

Other – Ann Boyce, as Volunteer Coordinator, received a 2000 Conservation Award from the Northwest Women Flyfishers in recognition of the Task Force's work.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

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PROJECT HIGHLIGHTS

Salmon Habitat Restoration Curriculum

Challenge: We wanted to develop a curriculum for middle school students that addressed Washington State Essential Academic Learning Requirements (EALR's), and provided a hands-on approach to science and environmental education. We sought a local site that would enable students to develop key skills in assessing and improving stream habitat.

Action: During the 2000-2001 school year, the Task Force worked with a Voyager Middle School 6th – 8th grades alternative classroom from Mukilteo, focusing on Krueger Creek in the Portage Creek watershed. We developed the *Salmon Habitat Restoration Curriculum* and provided the "Voyagers" with a site to prep, measure, map, and then design and implement a planting along 250 feet of creek.

The students performed regular water quality tests to monitor the water, learned native plant and macroinvertebrate identification, planted and maintained the site, learned about water pollution and ways to counteract it, learned why vegetation is important to water quality, and gained a host of other skills and knowledge through an integrated classroom/ field work program.

Results: The students' confidence increased, and their abilities to identify plants and perform restoration skills improved dramatically. They cared about what they did and the impact they made on the stream.

For the school year 2001-2002, the Task Force has two classrooms working with the curriculum. The Voyagers have returned for a second year, and a 5th grade classroom in the Marysville School District is also involved. Both teachers are extremely excited about the program.

"I want to thank you for taking the time out of your day and helping my class give back to our community. I especially liked the Pesce Farm trips. It was fun carrying the plants down all those hills."

— Justin, a student from the Voyager Middle School

Dumpsite Cleanup: The Pit

Challenge: The site known as "The Pit" was actually three private properties totaling 140 acres, but thousands of people used it as if it were public domain. Members of the community considered it an off-road vehicle (ORV) playground and used the area for more than 20 years. The West Fork Quilceda Creek runs through the heart of the properties, and there were huge gouges running perpendicular to the stream, where motorcycles and ORV's funneled down and across the creek. Due to these tire ruts, erosion was occurring at a dramatic rate along the creek. People had also dumped garbage, such as refrigerators, hot water tanks, roofing shingles, tires, hazardous waste, and abandoned cars on the site.

Action: The Task Force became involved in 2000 when we helped close the Pit to the public. Many agencies united in the effort, including Snohomish County Surface Water Management, the Tulalip Tribes, Adopt-A-Stream, the Snohomish County Sheriff's Department, the Bureau of Indian Affairs, and others. Quilceda/Allen Citizen Action Grant volunteers learned stream bank bioengineering techniques on the worst ORV crossing.

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The Task Force organized and directed two large garbage cleanups in July and October 2000. A hundred volunteers collected 10 tons of garbage, 4 tons of scrap metal, 1000 plus tires, and 12 refrigerators. More than 100 rusting, crushed and abandoned cars were hauled off the site.

Quilceda Elementary School students planted trees along a small tributary they have named "Little Beaver Creek".

Results: Once the ORV activity ceased, the turbidity down stream of the site decreased by 30%. Beavers moved in. Best of all, the areas that were raw, scarred dirt from all the tire traffic, are now small tree factories of alder, cottonwood, willow and big leaf maple, filling in the gaps that were left behind.

Because of these efforts, the Task Force has established a name for itself in the area. We can organize large groups of volunteers to perform stream cleanups. The Snohomish County Public Works Solid Waste Division has a standing offer to pay the Task Force for assisting with cleanups through volunteer and cleanup project management. Since a great deal of waste ends up near or in streams, this is potentially an enormous opportunity for the Task Force.

Volunteer Coordinator for Other Agencies and Organizations:

Challenge: We wish to continue developing a strong volunteer base.

Action: From January 2000-June 2001, numbers of volunteers at plantings went from 5 to 30 on a regular basis and have been as large as 100 to 200 for Earth Day events. Volunteers at maintenance events increased from 2 to 20 in one year's time.

Results: Several organizations have approached the Task Force to assist with projects, at times offering to pay for volunteer coordination, including Snohomish County Surface Water Management, Snohomish Conservation District, and Adopt-A-Stream Foundation. This was made possible by the support of the Volunteer Coordinator grant funds provided by the Washington State Conservation Commission. The Task Force is now the go-to organization to coordinate large numbers of volunteers for projects and events in Snohomish County.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

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RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Alberg Farm (#31010151)

This is a large project (potentially \$800,000). We are in the process of setting roles and responsibilities for the various organizations that may be involved in this restoration project on a 100 acre property with an ox bow on the Snoqualmie River mainstem (chinook rearing habitat).

Project Partners: WDFW, Landowner
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,000

2) Buck Island (#31010152)

We are working with the City of Monroe to control invasives, specifically knotweed and blackberries. The project will slow erosion at the toe of the island and create a conifer canopy to replace the disappearing deciduous canopy. From January 1-April 30, 2001, 2,157 trees were planted over 2 acres of the island.

Project Partners: WDFW, Numerous Businesses and Groups, City of Monroe
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 10,000
Volunteer Hours: 948 =	\$ 11,853
Other Contributions:	\$ 1,905
Total Expenditures:	\$ 23,758

3) Everett Net Pen (#58200160)

Volunteers of Saltwater Anglers of Mukilteo and Boeing Employees Rod and Reel Club operate this net pen jointly. They raised 20,000 chinook smolts from October 2000 to February 2001 and will continue with coho next year.

Project Partners: WDFW, Home Depot, Harbour Marine, Port of Everett,
Stillaguamish Tribe, Boeing Rod & Reel Club, Saltwater Anglers of Mukilteo
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 520
Volunteer Hours: 688 =	\$ 8,600
Other Contributions:	\$ 3,416
Total Expenditures:	\$ 12,536

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4) Funding Development (#58200175)

These funds supported grant writing and funding development for the Task Force.

Project Partners: WDFW, Microsoft, Boeing Surplus
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 8,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 2,874
Total Expenditures:	\$ 11,374

5) Griffin Creek (#31010155)

The Task Force provided funding for trees and volunteer coordination support for a King County DNR project, located on Griffin Creek south of Carnation along 300 feet of stream with a 300 foot buffer.

Project Partners: WDFW, King County DNR
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 6,000
Volunteer Hours: 248 =	\$ 3,100
Other Contributions:	\$ 7,342
Total Expenditures:	\$ 16,442

6) Groeneveld Creek (#58200202)

The Task Force worked with Adopt A Stream Foundation on habitat restoration. Work included dredging 2000 feet of creek to connect three to five acres of wetland rearing habitat, replacing five culverts and adding fencing.

Project Partners: WDFW, NFWF, JFE Labor, Snohomish County,
Snohomish Conservation District, Adopt-A-Stream
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 7,109
Volunteer Hours: 827 =	\$ 10,338
Other Contributions:	\$ 40,721
Total Expenditures:	\$ 58,167

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7) Habitat Restoration Project Manager (#58200174)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 39,422
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 39,422

8) Haskell Smolt Trap (#58200163)

After we added LWD to the stream and revegetated the area, volunteers did smolt trap monitoring on Haskell Slough.

Project Partners: WDFW, Northwest Chinook Recovery
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 368 =	\$ 4,600
Other Contributions:	\$ 0
Total Expenditures:	\$ 4,600

9) Headrick Farm Creek Restoration (#58200164)

This habitat restoration project added LWD to a side channel and planted riparian vegetation along Gladdebakken Creek, 200 feet long, 15 - 20 feet wide.

Project Partners: WDFW, NMFS, Snohomish County, SWM
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,150
Volunteer Hours: 90 =	\$ 1,125
Other Contributions:	\$ 5,250
Total Expenditures:	\$ 11,525

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10) Hecla Wetlands (#31010550)

Working with a landowner, the city of Arlington, Stillaguamish Tribe, and Snohomish Conservation District, we installed LWD in the wetland.

Project Partners: WDFW, Stillaguamish Tribe, City of Arlington, Snohomish Cons. District

Project Status: Ongoing

Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	286
Volunteer Hours: 19 =	\$	238
Other Contributions:	\$	500
Total Expenditures:	\$	1,024

11) Infrastructure: 2000 (#31010161)

Monies went for on-going infrastructure needs.

Project Partners: WDFW, Office Depot

Project Status: Ongoing

Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$	16,549
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	250
Total Expenditures:	\$	16,799

12) Infrastructure (#58200172)

The funds provided for infrastructure needs.

Project Partners: WDFW

Project Status: Ongoing

Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$	12,807
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	12,807

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13) Kissee Creek (#58200165)

Revegetation included planting 145 conifers and 650 cuttings in a 5 acre wetland along 500 feet of Kissee Creek. LWD placement and culvert replacement added meanders.

Project Partners: WDFW, USFWS, Conserv.Commission, Landowner,
Sno. Cons. Dist, Adopt-A-Stream
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	0
Volunteer Hours: 109.5 =	\$	1,369
Other Contributions:	\$	5,125
Total Expenditures:	\$	6,494

14) Langley Net Pen: 1999 (#58200166)

This was a net pen rearing project on Whidbey Island that raised chinook.

Project Partners: WDFW, Bruce Bell Landscape, Rod Gabeline, Langley,
Puget Sound Anglers, Langley Marina
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$	206
Volunteer Hours: 347 =	\$	4,338
Other Contributions:	\$	1,550
Total Expenditures:	\$	6,093

15) Langley Net Pen: 2000 (#31010162)

This net pen rearing project on Whidbey Island raised chinook.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$	694
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	694

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16) Maxwellton Creek (#31010158)

In support of a habitat restoration project directed by the Whidbey Camano Land Trust, the Task Force is providing trees, materials, and volunteer assistance.

Project Partners: WDFW, Whidbey Island Garden Tour, Neighbors
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$	286
Volunteer Hours: 441 =	\$	5,513
Other Contributions:	\$	7,650
Total Expenditures:	\$	13,448

17) My Creek Juvenile Fish Passage (#31001422)

The installation of log weirs has provided easier access to rearing ponds for juvenile salmonids on My Creek-- part of the Portage Creek system.

Project Partners: WDFW, Warm Beach Funds, Stillaguamish Tribe,
Snohomish County Parks & SWM, Adopt-A-Stream
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$	5,000
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	4,136
Total Expenditures:	\$	9,136

18) North Fork Stillaguamish Big Wood Project (#58200167(1))

The Task Force supported the building of four engineered logjams on the North Fork Stillaguamish River. This project has helped enhance in-stream and riparian habitat and provided local bank protection for the C-post bridge.

Project Partners: WDFW, UW, IAC Outdoor Rec, Stillaguamish Tribe,
Tulalip Tribes, Sno County SWM
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$	24,068
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	250,000
Total Expenditures:	\$	274,068

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19) North Fork Stilly Log Jam Monitoring (#58200168)

The Tulalip Tribes monitored the man-made log jams on the North Fork Stillaguamish.

Project Partners: WDFW, Tul. Tribe
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 6,181
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 6,181

20) Native Plant Nursery (#31010549)

Funds for Task Force Nursery went to maintenance and development.

Project Partners: WDFW, Weyerhaeuser, Sno County SWM
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 55
Volunteer Hours: 130 =	\$ 1,625
Other Contributions:	\$ 300
Total Expenditures:	\$ 1,880

21) Otness Wetland Restoration (#58200169)

This wetlands restoration project included fencing, blackberry removal, plantings and maintenance, LWD and weir installations, a cattle crossing and a 30 foot buffer along 1,700 feet of stream.

Project Partners: WDFW, USFWS, Stillaguamish Tribe, Snohomish
Conserv. Dis., WA Conserv. Com.
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,300
Volunteer Hours: 250 =	\$ 3,125
Other Contributions:	\$ 22,080
Total Expenditures:	\$ 26,505

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22) Portage Creek Large Woody Debris (#58200170)

Work included replacement of several pieces of large woody debris at the head waters of Portage Creek and replanting of native vegetation after damage caused by a beaver dam blowout. Everett Community College supplied bare root plants for replanting of the area.

Project Partners: WDFW, Everett Community College, Snohomish County DOC
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,948
Volunteer Hours: 336 =	\$ 4,200
Other Contributions:	\$ 400
Total Expenditures:	\$ 9,548

23) Portage Creek Stewardship (#31010153)

In this education/outreach program for the Portage Creek area in Arlington, funds went for brochure development and printing, newsletter printings and mailings, signage, and trees for projects.

Project Partners: WDFW, Numerous Partners
Project Status: Ongoing
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 10,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 10,000

24) Possession Bait (#58200171)

In this rearing pond, 32,000 coho were raised from January 2001 - May 2001. The coho return offshore of the pond prior to spawning provides an opportunity for local area fishers to fish from the beach.

Project Partners: WDFW, Possession Bait Company, Puget Sound Anglers,
Whidbey Island Chapter
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 1,530
Volunteer Hours: 377 =	\$ 4,713
Other Contributions:	\$ 1,263
Total Expenditures:	\$ 7,506

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25) Prairie Creek (#31010154)

Eighty pieces of large woody debris were placed and 729 native species planted along 1300 feet of Prairie Creek. A large, seven-acre wetland is upstream of this project.

Project Partners: WDFW, City of Arlington, Landowner, Newell Machine,
Stillaguamish Tribe
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 11,052
Volunteer Hours: 300 =	\$ 3,750
Other Contributions:	\$ 9,175
Total Expenditures:	\$ 23,977

26) Project Equipment (#31010160)

Project equipment has supported habitat restoration projects.

Project Partners: WDFW, Numerous Businesses
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 12,000
Volunteer Hours: 29 =	\$ 363
Other Contributions:	\$ 1,160
Total Expenditures:	\$ 13,523

27) Habitat Project Manager (#58200174)

Funds went to the Project Manager salary for habitat restoration projects and administration of office duties. Volunteer hours came from the board of directors.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 12,512
Volunteer Hours: 300 =	\$ 3,750
Other Contributions:	\$ 1,194
Total Expenditures:	\$ 17,456

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28) Quilceda/Allen Project Support (#31010159)

The funds provided volunteer coordination and project support for Quilceda/Allen Citizens Action Grant Project, and Clean Water Grant (DOE) (sub-contracted by Snohomish County Surface Water Management). We did two garbage cleanups, three plantings on 300 feet of stream, and a streambank bioengineering project, supported by these funds and the Quilceda/Allen grant.

Project Partners: WDFW, Snohomish County SWM, Numerous
Businesses and Organizations
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,000
Volunteer Hours: 456.75 =	\$ 5,709
Other Contributions:	\$ 50,655
Total Expenditures:	\$ 59,364

29) Riley Slough Restoration (#58200608)

This revegetation project funding matched State Early Action Funds. The primary goals were to remove blackberry and reed canary grass and replace them with native vegetation. Fencing and site maintenance also occurred.

Project Partners: WDFW, IAC Early Action Funds, Storm Lake Growers,
Dave Ward, Sno Cons. District
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 9,500
Volunteer Hours: 247 =	\$ 3,088
Other Contributions:	\$100,763
Total Expenditures:	\$113,351

30) Salmon Ecology Speaker Series (#31010156)

The grant supported a speaker series on salmon and impacts of humans on salmon habitat. Funds went for stipends, staff time, and other miscellaneous costs.

Project Partners: WDFW, Pilchuck Audubon Society, Snohomish County SWM, Speakers
Project Status: Completed
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 1,350
Volunteer Hours: 144 =	\$ 1,800
Other Contributions:	\$ 3,000
Total Expenditures:	\$ 6,150

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31) Sno-Island Stream Habitat (#58200176)

Funding, set aside for miscellaneous expenses for Snohomish watershed and Island County area, supported habitat restoration projects with native species plantings, travel expenses, etc. In all 3,700 feet of stream were revegetated with 9,382 plants.

Project Partners: WDFW, Numerous Businesses, Organizations, and Individuals
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,614
Volunteer Hours: 1046.5 =	\$ 13,081
Other Contributions:	\$ 8,135
Total Expenditures:	\$ 22,830

32) Stilly Stream Habitat Improvement (#58200178)

Funding, set aside for miscellaneous expenses for the Stillaguamish watershed area, supported habitat restoration projects through native species plantings, travel costs, etc. In all, 1,500 feet of stream were revegetated with 1,000 plants.

Project Partners: WDFW, Numerous Businesses, Organizations, and Individuals
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,557
Volunteer Hours: 860.5 =	\$ 10,756
Other Contributions:	\$ 1,680
Total Expenditures:	\$ 13,994

33) Stipend Program (#31001423)

These funds have encouraged groups to assist the Task Force with volunteer time in exchange for a stipend--an environmentally friendly way for groups to fund their programs.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 471
Volunteer Hours: 433.5 =	\$ 5,419
Other Contributions:	\$ 0
Total Expenditures:	\$ 5,890

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34) Tree Spade (#58200609)

This was an experimental revegetation salvage project in cooperation with Snohomish County Surface Water Management and Parks and Rec. Existing large trees (up to 30 feet in height) were salvaged and transplanted at two sites in Snohomish County, Riley Slough (23 planted, 21 survived) and Bob Heirman Park (90 trees planted, 88 survived).

Project Partners: WDFW, Snohomish County SWM & Parks & Rec,
Big Trees Incorporated, Landowner
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 6,000
Volunteer Hours: 100 =	\$ 1,250
Other Contributions:	\$ 25,638
Total Expenditures:	\$ 32,888

35) Weber Revegetation (#31010157)

A perched culvert was replaced to allow fish access to 1/2 mile quality rearing habitat. The work increased the hydrologic function of a wetland adjacent to the stream and included the planting of 600 cuttings and 1750 trees and shrubs along 900 feet of stream with an average buffer of 40 feet.

Project Partners: WDFW, USFWS, DOE, Stillaguamish Tribe, Sno Cons.
District, Sno County SWM
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,314
Volunteer Hours: 355 =	\$ 4,438
Other Contributions:	\$ 13,026
Total Expenditures:	\$ 21,778

36) Arlington Forestry Grant

This grant provided funds for purchasing trees and for offering educational outreach to the Portage Creek basin. This grant ran from October 1998 - December 1999, with money, donations and volunteer time noted for only the time period of July 1, 1999 - December 31, 1999. During this time four plantings were completed and one Stillaguamish watershed tour provided. At four sites, 233 trees were planted along 500 feet of stream. Those sites included Kent Prairie/Portage Creek, Krueger Creek, and Klein Farm, all in the Portage Creek subbasin, feeding into the Stillaguamish River.

Project Partners: WDFW, Arlington Forestry Grant, Environment Watch Club, WA DNR
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 600
Volunteer Hours: 282 =	\$ 3,525
Other Contributions:	\$ 2,537
Total Expenditures:	\$ 6,662

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NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Volunteer Coordinator Grant

Grant funding was provided by the Washington State Conservation Commission through the local Snohomish Conservation District. These funds supported all Task Force projects, from January 1, 2000 through June 30, 2001, including Earth Day 2000 & 2001, the first Pit Cleanup, and the Voyager Middle School program. Monies also supported Snohomish County SWM, Snohomish Conservation District, and Adopt A Stream Foundation projects. In addition, we worked with school and community groups and volunteers at the following sites: Riley Slough, Naval Support Complex, Kent Prairie/Portage Creek, Krueger Creek, My Creek, Prairie (Task Force projects); Weber, Pesce, Monkman, Kisse, Bergman, Old Stilly Channel (Snohomish Conservation District projects); Cloverdale and Groeneveld plantings (Adopt A Stream project), and multiple projects and salvages with Snohomish County SWM. Volunteer hours are matched to the Stillaguamish Stream Habitat Projects and Snohomish/Island County projects (see projects for more info).

The Volunteer Coordinator (VC) also organized and worked with Snohomish County Corrections Department, Washington State Juvenile Rehabilitation Program, Snohomish County Detention Alternatives, and juvenile and adult community service groups. School groups included Voyager Middle School, a year-long program that led to the creation of a salmon habitat curriculum. One-day projects were conducted for Sunnycrest Elementary in Lake Stevens, Post Middle School in Arlington and a Stanwood Elementary school. Several times we coordinated the YMCA Earth Service Corps. The Volunteer Coordinator also obtained media coverage for the Task Force at numerous events.

Project Partners: Snohomish Conservation District, Tulalip Tribes, Adopt
A Stream, Stillaguamish Tribe, Sno County SWM, WA Conservation
Commission (grant)

Project Status: Completed

Project Type: Multiple Types

Fiscal Summary

Volunteer Hours:	423.5
Volunteer Dollars @ \$12.50/hr	\$ 5,294
Other Contributions:	\$ 76,666
Total Expenditures:	\$ 81,960

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PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Fish Barrier Identification	\$ 1,000	0	\$ 0	\$ 2,600	\$ 3,600
2) Harper Estuary Design Project	\$ 1,000	0	\$ 0	\$ 0	\$ 1,000
3) Mahler Park Side Channel Project	\$ 362	0	\$ 0	\$ 0	\$ 362
4) Dogfish Creek Restoration	\$ 617	0	\$ 0	\$ 0	\$ 617
5) Project Support: Kitsap County	\$ 4,167	40	\$ 500	\$ 5,640	\$ 10,307
6) McDonald Side-Channel	\$ 6,506	731.5	\$ 9,144	\$ 6,247	\$ 21,897
7) Dogfish Creek Crum Fencing	\$ 926	0	\$ 0	\$ 309	\$ 1,235
8) Salmonberry Cr Habitat Restoration	\$ 406	0	\$ 0	\$ 1,090	\$ 1,496
9) Strategic Plan Development	\$ 1,000	43	\$ 538	\$ 0	\$ 1,538
10) Director 2001	\$ 18,517	0	\$ 0	\$ 0	\$ 18,517
11) Administration 2001	\$ 7,747	0	\$ 0	\$ 0	\$ 7,747
12) Stewardship & Maintenance	\$ 3,078	0	\$ 0	\$ 0	\$ 3,078
13) Director 2000	\$ 43,361	0	\$ 0	\$ 0	\$ 43,361
14) Administration 2000	\$ 18,725	0	\$ 0	\$ 3,950	\$ 22,675
15) NF Newaukum Cr Restoration	\$ 28,732	291.5	\$ 3,644	\$ 20,325	\$ 52,701
16) Dogfish Cr/Baskins Habitat Res	\$ 5,594	0	\$ 0	\$ 11,117	\$ 16,711
17) Monitoring Project	\$ 7,170	970	\$ 12,125	\$ 15,502	\$ 34,797
18) Volunteer Coordinator	\$ 19,381	0	\$ 0	\$ 0	\$ 19,381
19) Maplewood Heights Overwintering	\$ 0	120	\$ 1,500	\$ 0	\$ 1,500
20) Carcass Distribution	\$ 0	123	\$ 1,538	\$ 8,273	\$ 9,811
21) Community Forestry Program	\$ 0	1300	\$ 16,250	\$ 29,981	\$ 46,231
22) Enumclaw Mitigation	\$ 0	928	\$ 11,600	\$ 17,857	\$ 29,457
23) Grate-Mate Project	\$ 0	112	\$ 1,400	\$ 6,012	\$ 7,412
24) Horse Creek Restoration	\$ 0	690	\$ 8,625	\$ 30,814	\$ 39,439
25) Plant Nursery	\$ 0	429.5	\$ 5,369	\$ 4,244	\$ 9,613
26) Soosette Cr Restoration	\$ 0	30	\$ 375	\$ 1,848	\$ 2,223
27) Supplemental Planting Projects	\$ 0	155	\$ 1,938	\$ 5,400	\$ 7,338
28) Walmart Wetland Rest/Steele Cr	\$ 0	274	\$ 3,425	\$ 7,209	\$ 10,634
TOTALS	\$ 168,289	6237.5	\$ 77,969	\$ 178,418	\$ 424,676

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MISSION STATEMENT

The mission of the Mid-Puget Sound Fisheries Enhancement Group is to create and implement strategic actions, in partnership with the community, to maximize the productive capacity of salmonid habitat. These actions are aimed at achieving healthy ecosystems that will support genetically diverse, self-sustaining salmon populations in the mid-Puget Sound region for the benefit of all users.



OVERVIEW

We practice fisheries and stream restoration in the King and Kitsap Counties in Washington State. Our service area includes the Green/Duwamish River watershed, the Lake Washington/Cedar River watershed, isolated streams flowing into Puget Sound in King County, and all watersheds in eastern Kitsap County.

In 2000 alone, Mid Sound completed 40 volunteer restoration projects. These projects involve—

- plantings
- fencings
- earth-moving
- large wood installation projects

Mid Sound is currently composed of 4 paid staff, 12 Board Members, and 800 members. Members, who contribute through annual membership fees, volunteer hours and in-kind donations, include individuals from—

- the general public
- tribal communities
- government agencies
- businesses

Accomplishments for The Biennium:

Active Volunteers	2,250
Fencing (feet)	2,675
Projects	80
Trees and Shrubs Planted	22,413
Miles of Habitat Enhanced	5
In-Kind Services	\$167,488

HIGHLIGHTED PROJECTS

North Fork Newaukum Creek Salmon Habitat Restoration Project

Challenge: A landowner from the North Fork of Newaukum Creek in Enumclaw approached us with concerns about steep and slumping banks on three properties owned by separate landowners. The problems raised both safety and property loss concerns. This section of stream was a source of sediments. It was devoid of salmonid habitat structures such as large woody debris and consisted of mostly riffle or glide habitats with few pools.

Action: The three, willing landowners jumpstarted the project planning phase. Work began in August 2000. It took one week to complete the heavy-machinery phase. In total, 500 feet of bank on both sides were pulled back to a 2:1

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or 3:1 slope. We installed 35 large wood structures, including root wads, bank logs, fallen trees, and deflectors logs. After the excavation phase, the revegetation phase began. In four volunteer planting events between November 2000 and March 2001, we planted a 25-30 foot buffer of native trees and shrubs along the creek.

Results: This project restored 750 feet of riverine salmonid habitat. We continue to work at the site to conduct monitoring, maintenance, and additional plantings on Newaukum Creek, a tributary to the Green River. The landowners have been very pleased with our efforts.

North Fork Newaukum Creek: Smolt Trap, Spring 2000 & 2001

Challenge: This smolt trap project, conducted in the spring of 2000 and 2001, enabled us to monitor the results of a previous restoration project completed in 1998. Because of a fish passage barrier, we had relocated a portion of the North Fork of Newaukum Creek at river mile (RM) 2.0. In 1998, this project opened up .75 miles of Coho spawning habitat and also involved placement of large woody debris, creating cover and pool habitat for salmonids. We wanted to know the impact of the project on the number of fish using the site. The spring of 2000 was the first time we'd expected to have coho smolts migrating out of this newly opened habitat; coho salmon (*Oncorhynchus kisutch*) rear from 1-2 years in freshwater.



Action: Mid Sound installed V-shaped weir smolt trap immediately downstream of the restoration site in spring 2000, and we monitored it from April 1st-June 3rd, 2000 & 2001. We contracted out the development, construction and installation of the V-shaped weir smolt trap. Professional fisheries biologists designed the trap to catch all migrating smolts leaving the upper region of Newaukum Creek. A live box held the fish until released.

The trap consisted of V-shaped fence panels stretching the width of the stream, PVC pipe to transport the smolts, and a live box to hold them. The fence panels were lined with galvanized mesh, and the live box had a section partitioned off

by galvanized mesh. This compartment allowed fry and parr-sized fish to pass through the mesh and escape predation by larger fish in the box. The location of the smolt trap was ideal; the site had wide, level, graveled streambed banks with good vegetation and one to three inches of gravel. These conditions minimized the risk posed by high water flows.

Under normal conditions, the trap was checked twice daily. During inclement weather, the trap was checked more frequently since peak migrations and more debris come at these times. Each day we removed smolts from the live box, placed them in a bucket, and collected the following data: number, species identification, fork length, and apparent health. Following these measurements, we released the salmonids immediately downstream of the trap.

Results: During 2000, 202 coho smolts (50mm+), and 670 trout (50mm+) were caught migrating downstream past the trap site. From this data we estimated that from 1998-2000, the system above the trap produced 0.176 coho smolts/meter. In the year 2001, 305 coho smolts (50mm+) and 579 trout smolts and adults (50mm+) were caught migrating downstream past the trap site. The amount of trout observed leaving the system greatly outnumbered coho smolts, indicating that predation could be a significant factor in the survival of juvenile coho. Also, predation by cutthroat trout or other species could have occurred within the live box. Additionally, the larger and more aggressive cutthroat and rainbow trout compete with coho salmon for food and territory. The increase in number of coho smolts from 2000 to 2001 is an encouraging sign, but no causality can be drawn from the study at this time.

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Puget Sound Anglers

Josh Kahan
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Watershed Basin Steward

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REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG Funded Projects: Fiscal Biennium July 1, 1999-June 30, 2001

1) Fish Barrier Identification (#31000955)

The grant helped fund one staff person with Kitsap Conservation District to identify and prioritize stream passage barrier projects in Kitsap County. Mid-Sound FEG was then able to compile a prioritized list for selecting future projects.

Project Partners:WDFW, Kitsap Conservation District
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 2,600
Total Expenditures:	\$ 3,600

2) Harper Estuary Design Project (#31001410)

This project tested sediment quality in the estuary. We'd also like to do additional testing and continue pre-design work if needed in the next biennium.

Project Partners:WDFW
Project Status: Completed
Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,000

3) Mahler Park Side Channel Project (#31001411)

This project is currently on hold until the property can be purchased by the City of Enumclaw or other another entity.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 362
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 362

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Dogfish Creek Restoration (#31001413)

The project would include in-stream work and planting (currently on hold since the landowner may sell the property). Expended funds covered staff salary/benefits and travel time while coordinating the early stages of this project.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	617
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	617

5) Project Support: Kitsap County Projects (#31001414)

This general enhancement project for Kitsap County has included bridge removal, bank stabilization, fence building (575') and riparian planting. Project partners have included the Squamish Tribe, Trout Unlimited, and the Kitsap Poagie Club.

Project Partners:WDFW, Mid Sound Nursery, Suquamish Tribe, Kitsap
Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	4,167
Volunteer Hours: 40 =	\$	500
Other Contributions:	\$	5,640
Total Expenditures:	\$	10,307

6) McDonald Side-Channel (#3100145)

Along the North Fork Newaukum Creek, we have removed blackberry, done riparian re-vegetation, and placed large woody debris structures. Along with continuing this work, we plan to increase off-channel rearing habitat by excavating an historic stream meander.

Project Partners:WDFW, Fibers International, EIWI Systems,
Reed Logging
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	6,506
Volunteer Hours: 731.5 =	\$	9,144
Other Contributions:	\$	6,247
Total Expenditures:	\$	21,897

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

7) Dogfish Creek/Crum Fencing (#3010025)

We fenced off 500 feet of Dogfish Creek with an average buffer width of 25 feet. We may continue this fencing project in the future.

Project Partners: WDFW, Kitsap Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	926
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	309
Total Expenditures:	\$	1,235

8) Salmonberry Creek Habitat Restoration (#31010038)

This project will create off-channel habitat on six properties along Salmonberry Creek.

Project Partners: WDFW, Kitsap County
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	406
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	1,090
Total Expenditures:	\$	1,496

9) Strategic Plan Development (#31010354)

This project supports the efforts of MSFEG to develop a strategic plan. The plan will provide the group with a clear vision and action plan, focused on the role we play in our region's salmon recovery.

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$	1,000
Volunteer Hours: 43 =	\$	538
Other Contributions:	\$	0
Total Expenditures:	\$	1,538

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

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10) Director 2001 (#31010373)

This project supports the Executive Director starting January 1, 2001. Project activities include project identification, development and implementation, staff supervision, outreach, and administration.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 18,517
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 18,517

11) Administration 2001 (#31010374)

This project supported the day-to-day operations of the group. Expenses such as office rent, telephone charges, internet access, office supplies, and other administrative costs were covered.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 7,747
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 7,747

12) Project Support: Stewardship and Maintenance (#31010546)

An EarthCorps crew did maintenance on our projects on Newaukum Creek, including blackberry removal, watering, and removal of other invasive plants.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,078
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,078

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

13) Director 2000 (#58200219)

This project supported the Executive Director position from July 1, 1999 until early 2001. Matching contributions associated with this contract are included in direct project reports.

Project Partners:WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 43,361
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 43,361

14) Administration 2000 (#5820220)

This project supported day-to-day operations of the group, covering expenses such as office rent, telephone, internet access, office supplies, and other administrative costs.

Project Partners:WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 18,725
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 3,950
Total Expenditures:	\$ 22,675

15) North Fork Newaukum Creek Restoration (#3100412)

We restored 700 feet of the creek. The work included floodplain widening, installation of 43 LWD structures, riparian revegetation, and removal of invasive Japanese Knotweed. The project was conducted on a section of the creek owned by three private landowners.

Project Partners:WDFW, Quadrant Corp., Trout & Salmon Foundation, Resource Action Council, Seattle Aquarium, Reed Logging, Fibers Int., ELWD Systems
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 28,732
Volunteer Hours: 291.5 =	\$ 3,644
Other Contributions:	\$ 20,325
Total Expenditures:	\$ 52,701

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

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16) Dogfish Creek/Baskins Habitat Restoration (#3100039)

This project enabled us to enhance 500 feet of stream by placing six LWD Structures. This project complements fencing and planting previously completed. Although the original scope has been completed, we continue to do monitoring at the site.

Project Partners:WDFW, NRCS/WHIP, Baskins (landowners), King C.D.,
WA DOE WCC Crew
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,594
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 11,117
Total Expenditures:	\$ 16,711

17) Monitoring Project (#31010040)

This project has involved monitoring nearly every aspect of MSFEG's work. Projects have included instream structure, vegetation, spawning surveys, macroinvertebrate and outmigrant monitoring. All these activities have involved volunteers and other MSFEG partners.

Project Partners:WDFW, People for Salmon Muckleshoot Foundation,
EarthCorps Crew, Tony Zragger, Horizons Foundation
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 7,170
Volunteer Hours: 970 =	\$ 12,125
Other Contributions:	\$ 15,502
Total Expenditures:	\$ 34,797

18) Project Support: Volunteer Coordinator (#31010545)

This contract supports Volunteer Coordinator activities through salary/benefits, goods/services, and equipment. A laptop computer and power point projector have been purchased to increase outreach and education.

Project Partners:WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 19,381
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 19,381

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

19) Maplewood Heights Overwintering (#31010042)

The proposed project regards deepening, widening, and recreating old side channels off the Cedar River in Renton. Graduate students from University of Washington created the project design.

Project Partners: WDFW
 Project Status: Ongoing
 Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 120 =	\$ 1,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,500

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Community Forestry Program

The project focuses on salmonid habitat restoration, monitoring, and watershed stewardship. Students from Enumclaw High School planted the riparian zone in several projects and monitored macroinvertebrates and water quality parameters.

Project Partners: DNR, Muckleshoot Charity Fund, City of Enumclaw,
 Horizons Fund, Walmart, Individuals
 Project Status: Completed
 Project Type: Education

Fiscal Summary

Volunteer Hours:	1,300
Volunteer Dollars @ \$12.50/ hr	\$ 16,250
Other Contributions:	\$ 29,981
Total Expenditures:	\$ 46,231

2) Carcass Distribution

We distributed salmon carcasses from the Soos Creek Hatchery into the Green River and tributaries. Carcasses were also distributed from the Issaquah Hatchery into Lewis Creek in Bellevue.

Project Partners: WCC crew, King County, King County Parks, Resource
 Action Council, EarthCorps Crew,
 Issaquah Valley Llamas, City of Issaquah
 Project Status: Ongoing
 Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	123
Volunteer Dollars @ \$12.50/ hr	\$ 1,538
Other Contributions:	\$ 8,273
Total Expenditures:	\$ 9,811

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

3) Enumclaw Mitigation

This wetland mitigation project for the City of Enumclaw has included planting, installation of habitat structures, pond creation, and invasive vegetation removal.

Project Partners: City of Enumclaw,
Forest Concepts Inc., Calvin Magnusson
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	928
Volunteer Dollars @ \$12.50/ hr	\$ 11,600
Other Contributions:	\$ 17,857
Total Expenditures:	\$ 29,457

4) Grate-Mate Project

Enumclaw High School students installed the "grate-mates," catch-basin-inserts, into storm drains in Enumclaw parking lots. These "grate-mates" remove fine sediments, oil and garbage from storm water.

Project Partners: Planet CPR, QFC Stores, Conservation Commission
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	112
Volunteer Dollars @ \$12.50/ hr	\$ 1,400
Other Contributions:	\$ 6,012
Total Expenditures:	\$ 7,412

5) Horse Creek Restoration

This project restored a 300 foot section of Horse Creek (a tributary to the Sammamish River). We installed large wood, added spawning gravel addition, installed a bird house, planted native plants, and constructed rock paths.

Project Partners: King Conservation District, Jobs for the Environment
Crew (King County), King County, City of Bothell
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	690
Volunteer Dollars @ \$12.50/ hr	\$ 8,625
Other Contributions:	\$ 30,814
Total Expenditures:	\$ 39,439

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

6) Plant Nursery

Our native plant nursery is located in the Muckleshoot Indian Tribe's Keta Creek Hatchery. For the most part, volunteers and interns maintain our nursery.

Project Partners: King County, Ferguson Foundation, Horizons Foundation
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	429.5
Volunteer Dollars @ \$12.50/ hr	\$ 5,369
Other Contributions:	\$ 4,224
Total Expenditures:	\$ 9,613

7) Soosette Creek Restoration

The project has included removing blackberries, laying weed-block fabric, and planting native plants along Soosette Creek in Auburn, WA.

Project Partners: King Conservation District, Mid Sound Nursery
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	30
Volunteer Dollars @ \$12.50/ hr	\$ 375
Other Contributions:	\$ 1,848
Total Expenditures:	\$ 2,223

8) Supplemental Planting Projects

Three projects for past restoration sites on Newaukum Creek needed further planting.

Project Partners: Mid Sound Nursery
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	155
Volunteer Dollars @ \$12.50/ hr	\$ 1,938
Other Contributions:	\$ 5,400
Total Expenditures:	\$ 7,338

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

9) Walmart Wetland Restoration/ Steele Creek

The wetland restoration project created wetland ponds. The project also mitigated for damages to Steele Creek watershed. Bremerton Montessori School participated in volunteer planting of trees, shrubs and wetland emergent plants.

Project Partners: Walmart
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	274
Volunteer Dollars @ \$12.50/ hr	\$ 3,425
Other Contributions:	\$ 7,209
Total Expenditures:	\$ 10,634

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Sherwood Cr R/R Culvert Rep	\$ 6,590	32	\$ 400	\$ 1,640	\$ 8,630
2) Jorgenson Cr Culvert Rep	\$ 2,131	0	\$ 0	\$ 42,000	\$ 44,131
3) Puyallup Watershed Culverts	\$ 9,000	0	\$ 0	\$ 59,950	\$ 68,950
4) 96th Street Oxbow	\$ 2,658	80	\$ 1,000	\$ 50,276	\$ 53,934
5) Schumacher Cr Culvert	\$ 1,237	0	\$ 0	\$ 161,957	\$ 163,194
6) Kennedy Cr Salmon Trail	\$ 6,800	3,000	\$ 37,500	\$ 126,400	\$ 170,700
7) Puget Cr Culvert	\$ 37	0	\$ 0	\$ 32,150	\$ 32,187
8) Sherwood Tributary Culvert	\$ 0	16	\$ 200	\$ 99,683	\$ 99,883
9) Spring Cr Fish Passage	\$ 24,626	0	\$ 0	\$ 19,500	\$ 44,126
10) Summer Sportsman Oxbow	\$ 0	0	\$ 0	\$ 42,000	\$ 42,000
11) Muck Cr Fish passage	\$ 7,500	0	\$ 0	\$ 59,021	\$ 66,521
12) Little Bear Cr Culvert III	\$ 0	0	\$ 0	\$ 2,500	\$ 2,500
13) Administration FY 2000	\$ 81,071	1,000	\$ 12,500	\$ 8,640	\$ 102,211
14) Likes Fencing & Revegetation	\$ 879	40	\$ 500	\$ 2,725	\$ 4,104
15) Little Bear Culvert II	\$ 14,568	62	\$ 775	\$ 4,000	\$ 19,343
16) Monroe/Huston Cr Culvert Rep	\$ 3,946	124	\$ 1,550	\$ 15,500	\$ 20,996
17) Schoolhouse Cr II	\$ 1,296	0	\$ 0	\$ 7,080	\$ 8,376
18) GIS Support	\$ 3,840	40	\$ 500	\$ 9,560	\$ 13,900
19) Riparian Planting	\$ 5,590	132	\$ 1,650	\$ 250	\$ 7,490
20) Fish Food Support	\$ 0	60	\$ 750	\$ 0	\$ 750
21) Salmon Cr Habitat Enhancement	\$ 0	150	\$ 1,875	\$ 0	\$ 1,875
22) Clover Cr Fish Ladder	\$ 10,000	164	\$ 2,050	\$ 128,400	\$ 140,450
23) Clark's Cr Gravel Enhancement	\$ 1,158	120	\$ 1,500	\$ 0	\$ 2,658
24) Upper Puyallup Culvert	\$ 2,115	0	\$ 0	\$ 95,580	\$ 97,695
25) Percival Cr/Sapp Rd Culvert	\$ 0	0	\$ 0	\$ 132,000	\$ 132,000
26) Wollochet Cr Culvert	\$ 3,633	0	\$ 0	\$ 0	\$ 3,633
27) S Sound Coho Production	\$ 155	0	\$ 0	\$ 14,500	\$ 14,655
28) Recruit Volunteers	\$ 0	100	\$ 1,250	\$ 1,832	\$ 3,082
29) In Kind Contributions	\$ 0	0	\$ 0	\$ 1,319	\$ 1,319
30) Lead Entity Workshop	\$ 0	0	\$ 0	\$ 3,989	\$ 3,989
31) Project Monitoring	\$ 0	30	\$ 375	\$ 413	\$ 788
32) Kennedy Cr Coop	\$ 0	0	\$ 0	\$ 11,718	\$ 11,718
33) Volunteer II Revegetation Projects	\$ 0	730	\$ 9,125	\$ 6,250	\$ 15,375
34) Nisqually Riv Pond & Fish Ladder	\$ 0	0	\$ 0	\$ 55,280	\$ 55,280
35) WRIA Fish Passage Inventory	\$ 0	91	\$ 1,138	\$ 108,960	\$ 110,098
TOTALS	\$ 188,830	5,971	\$ 74,638	\$ 1,305,073	\$ 1,568,541

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The SPSSEG is a non-profit, volunteer-based organization that restores functioning salmon habitat, conducts salmon enhancement projects, and educates the community to increase salmon populations in the South Puget Sound Region.

OVERVIEW

South Puget Sound Salmon Enhancement Group covers a large area consisting of several counties and watersheds. The major river systems include the Puyallup, Nisqually, Deschutes and their respective tributaries. Our membership is comprised of individuals, families, and businesses, all contributing time and money toward the restoration and enhancement of salmon. The board offers a wealth of technical expertise; members represent three different Indian tribes, the NWIFC, and a former WDFW habitat biologist.

In the 1999-2001 biennium, we conducted numerous on-the-ground projects, including—

- culvert replacements: 6
- box connections: 2 (to be completed next season)
- feasibility/assessment studies: 1
- education/outreach activities: 1
- fish passages and ladders: 4
- fencing installation: 2 projects
- riparian zone planting : 4 projects (plus planting with culvert replacements)
- gravel placement in streams: 2 projects
- fish rearing: 2 projects

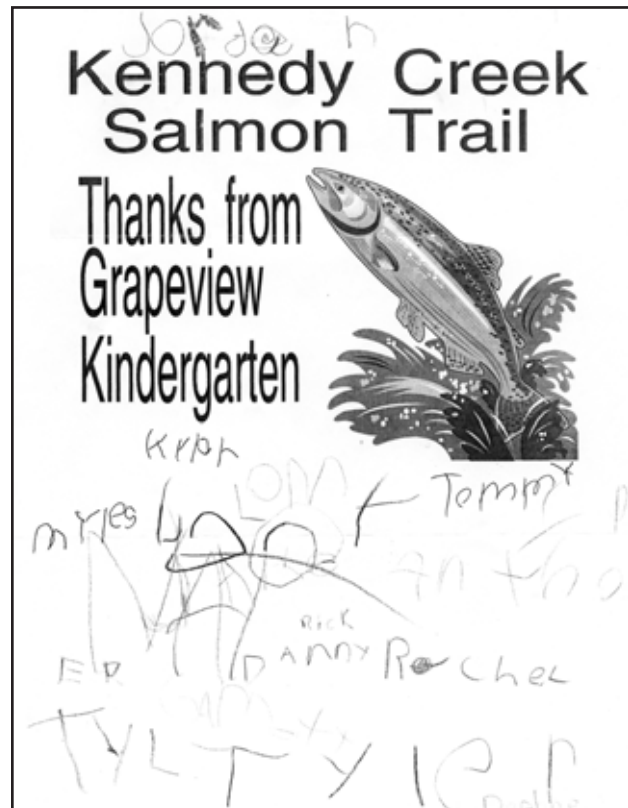
During this past biennium, we have grown. We started with one full-time staff person and now have three full-time staff, one part-time staff, and two work-study students. We moved to a new office location at the Puyallup Tribe's hatchery, down the hall from our president.

PROJECT HIGHLIGHTS

The Kennedy Creek Salmon Trail

Challenge: We wanted to provide the public and the schools with a dynamic interpretive and educational site to learn about salmon.

Action: We are especially proud of the Kennedy Creek Salmon Trail we had designed and constructed. Located near the Thurston/Mason County line, the trail borders Kennedy Creek, which has one of the last remaining healthy chum runs in the South Sound. The creek is about ten miles long and passes through a healthy second growth forest.



REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

This project was conceptualized in 1996. Trail building started in August 1999, and it opened in 2000. Many partners have joined us in this endeavor, including federal and state agencies, local tribes, NGO's, and the local conservation district. We received a generous lease for the land by Taylor United (shellfish growers) and access to the site by Champion Timber Company.

The trail is open weekends to the general public during November and December, and by reservation for large groups during the week. We've placed signs along the trail to inform visitors and have put in three viewing platforms. Volunteer docents, stationed on site, interpret the salmon spawning phenomenon and answer questions.

Results: The trail is intended for use by teachers, students, local residents, and any other interested parties. Visitors learn about salmon life cycles, the area's historical and cultural significance to local tribes and long-time residents, and native flora and fauna. The entire month of November 2001 was booked solid!



BOARD

Blake Smith, President (Puyallup Tribal Hatchery)
Marc Wicke, Vice President (formerly WDFW, now Tacoma Power)
Richard Johnson, Secretary (Muckleshoot Tribal Hatchery)
Terry Wright (NWIFC)
Jeanette Dorner (Nisqually Tribe Natural Resources Dept.)
Roy Lampson
Jeff Zenk, Director (Chinook Consulting)

STAFF

Lenore Jensen, Project Coordinator
Jacqueline Elliott, Salmon Operations Coordinator
Lance Winecka, Fish Passage Technician
Courtney Pariera, Fish Passage Technician
Kristin Williamson, Administrative Assistant (work study)
Lindsey Koepke, Administrative Assistant (work study)

CONTACT INFORMATION

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REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Sherwood Creek R/R Culvert Replacement (#58200154)

Sherwood Creek drains to North Bay, near Allyn, WA. The Puget Sound Railway intersects the large stream 6.5 miles upstream from the mouth. Two concrete culverts, 60 inches in diameter, channel the stream under the railway. The two culverts have been classified as fish passage barriers for all spawning salmonids. SPSSEG has prepared preliminary designs to identify alternative fish passageways. Currently, the U.S. Navy has taken the lead on the project.

Project Partners: WDFW, Various Individuals and Organizations
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 6,590
Volunteer Hours: 32 =	\$ 400
Other Contributions:	\$ 1,640
Total Expenditures:	\$ 8,630

2) Jorgenson Creek Culvert Replacement (#31010497)

Jorgenson Creek, a small, spring-fed stream draining a basin in Lacey, WA, has an existing 36" by 35' concrete culvert that is a complete passage barrier to upstream salmon habitat. The replacement of the culvert will reconnect approximately 3,600 lineal feet of spawning and rearing habitat.

Project Partners: WDFW, Thurston County, USFWS
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,131
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 42,000
Total Expenditures:	\$ 44,131

3) Puyallup Watershed Culverts (#31010028)

SPSSEG, in cooperation with Pierce Conservation District, will identify key areas in the Puyallup watershed considered to be critical salmon spawning/rearing habitat and take an inventory of potential restoration project sites. Secondly, SPSSEG will assess landowner willingness to participate in restoration projects in these key areas.

Project Partners: WDFW, SRFB
Project Status: Ongoing
Project Type: Assessment

Fiscal Summary

RFEG Funds Spent:	\$ 9,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 59,950
Total Expenditures:	\$ 68,950

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) 96th Street Oxbow (#58200158)

The 96th Street oxbow is a 4-acre area on the right bank of the Puyallup. As it stands, the oxbow serves no functional benefit to fish. The project will reconnect the oxbow to the main channel through the installation of an aluminum culvert. A channel will provide unrestricted access to the wetland. Invasive species will be cleared and native species will be replanted within six months of construction. Juvenile coho, chinook, steelhead, and cutthroat will benefit directly from the opened wetland.

Project Partners: WDFW, SRFB, Puyallup Tribe
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,658
Volunteer Hours: 80 =	\$ 1,000
Other Contributions:	\$ 50,276
Total Expenditures:	\$ 53,934

5) Schumacher Creek Culvert (#31001420)

We are replacing a failed culvert that was undersized in relation to the stream size. The replacement will provide and maintain passage to over 5 miles of spawning and rearing habitat, including an over 20 acre wetland directly upstream from the project site. The finished project provides unrestricted passage at all stream flows to coho, steelhead, and cutthroat species. In addition, the passage will facilitate the potential reintroduction of the sockeye salmon to the stream.

Project Partners: WDFW, SRFB, Mason County
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,237
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$161,957
Total Expenditures:	\$163,194

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

6) Kennedy Creek Salmon Trail (#58200145)

In the last five years, due to the collected works of SPSSEG and countless other partners, the five-acre plot of land adjacent to Kennedy Creek, donated by the Taylor Family, has evolved into a public outdoor classroom focused on conserving native salmon and their riparian habitat. The trail will be open to visitors four months out of the year (during chum spawning season) and have ten interpretive stations. (The cash value of the donated land is not included in the match funding)

Project Partners: WDFW, Numerous Organizations
Project Status: Ongoing
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 6,800
Volunteer Hours: 3000 =	\$ 38,900
Other Contributions:	\$ 126,400
Total Expenditures:	\$172,100

7) Puget Creek Culvert (#58200151)

The project is installing a series of rock weirs in a section of Puget Creek to allow salmonids to traverse this incline, currently impassable due to a series of rock step structures. The project is also stabilizing the bank. Added gravel will connect the fish ladder to the upstream end of the culvert. The planting of western red cedar, Douglas fir, bracken ferns, and willows will provide shade, cover and protection for salmonids.

Project Partners: WDFW, Numerous Organizations
Project Status: Ongoing
Project Type: Habitat restoration

Fiscal Summary

RFEG Funds Spent:	\$ 37
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 32,150
Total Expenditures:	\$ 32,187

8) Sherwood Tributary Culvert (#31001419)

We are replacing an undersized, barrier culvert. The project targets coho, chum, steelhead, and cutthroat salmonids and will open and maintain access to over two miles of spawning and rearing habitat. The replacement culvert will provide passage for juvenile and adults salmonids at all stream flows.

Project Partners: WDFW, NOAA, SRFB, and Others
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 16 =	\$ 200
Other Contributions:	\$ 99,683
Total Expenditures:	\$ 99,883

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9) Spring Creek Fish Passage (#58200155)

Spring Creek, a tributary of Deer Creek, supports chum, coho, and cutthroat salmonids. Fish passage is restricted near the mouth of the tributary by a culvert and an unused concrete water diversion weir. SPSSEG is removing the water diversion weir, and Mason County is replacing the culvert. These restoration endeavors will allow unrestricted fish passage to over 1.5 miles of spawning and rearing habitat.

Project Partners: WDFW, Pierce Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 24,626
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 19,500
Total Expenditures:	\$ 44,126

10) Summer Sportsman Oxbow (#58200156)

The focus of this project is the replacement of a fish passage barrier while maintaining flood control. It will open up 18 acres of wetlands and open water habitat that drains to the Puyallup River. Improvement/replacement of the culvert will provide overwintering and summer rearing habitat for juvenile salmonids. Opening of the wetlands will also improve water quality and flood storage capacity.

Project Partners: WDFW, SRFB, Pierce Conservation District, Puyallup Tribe
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 42,000
Total Expenditures:	\$ 42,000

11) Muck Creek Fish Passage (#31010027)

A tributary of the Nisqually River, Muck Creek is a major spawning area for area wild winter chum, steelhead, cutthroat, and, historically, coho salmon. In recent years, invasive Canary grass has choked the connection between Muck and Lacamas creeks, at Muck Lake, inhibiting salmon passage between the two tributaries. Additionally, Muck Lake has endured sediment build-up. By removing sediment and invasive canary grass, this project reestablishes the year-round connection between the streams, opening up over seven miles of enhanced spawning and rearing habitat.

Project Partners: WDFW, Nisqually Tribe, NOAA, Pail Tappel
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 7,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 59,021
Total Expenditures:	\$ 66,521

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12) Little Bear Creek Culvert III (#31010029)

SPSSEG identified the project, and is providing financial support, engineering services, and volunteer monitoring participation for the lead group, Mid Sound Fisheries Enhancement Group. The project entails the replacement of two culverts located under private drives along Little Bear Creek.

Project Partners: WDFW, Kitsap County
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	0
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	2,500
Total Expenditures:	\$	2,500

13) Administration Fiscal Year 2000 (#58200150)

Administrative funding helps support general overhead costs associated with the office and the staff. SPSSEG also receives various in-kind contributions and donated labor, namely from SPSSEG board members.

Project Partners: WDFW, SPSSEG Board Members
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$	81,071
Volunteer Hours: 1,000 =	\$	12,500
Other Contributions:	\$	8,640
Total Expenditures:	\$	102,211

14) Likes Fencing and Revegetation (#58200146)

SPSSEG led a project involving the fencing and planting of riparian vegetation on Billy Dew Creek, which flows through a pasture on the Likes property. Previously, very little vegetation existed along the creek. The project will directly benefit coho, steelhead, and cutthroat trout populations present in the watershed.

Project Partners: WDFW, SRFB
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	879
Volunteer Hours: 40 =	\$	500
Other Contributions:	\$	2,725
Total Expenditures:	\$	4,104

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15) Little Bear Culvert II (#58200147)

SPSSEG, in collaboration with the Kitsap Conservation District, has replaced a pre-existing culvert under a private drive. The old culvert acted as a velocity barrier for juvenile salmon. The new culvert will allow free passage for both adult and juvenile salmonids to upstream habitats.

Project Partners: WDFW, Various Contributors
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 14,568
Volunteer Hours: 62 =	\$ 775
Other Contributions:	\$ 4,000
Total Expenditures:	\$ 19,343

16) Monroe/Huston Creeks Culvert Replacement (#58200149)

This culvert replacement has allowed the stream to establish its own channel through the culvert, eliminating the outfall drop. We also revegetated the stream with native vegetation to provide shade and enhance habitat.

Project Partners: WDFW, Thurston County, NRSC
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,946
Volunteer Hours: 124 =	\$ 1,550
Other Contributions:	\$ 15,500
Total Expenditures:	\$ 20,996

17) Schoolhouse Creek II (#31001418)

Schoolhouse Creek is a small watershed, emptying into the Puget Sound. The stream serves as spawning habitat for several species of salmonids. SPSSEG, through the help of many volunteers and in-kind contributions from the Associated General Contractors, did some repair work on two log weirs and added gravel to the stream to enhance spawning habitat.

Project Partners: WDFW, Numerous Organizations and Businesses
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,296
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 7,080
Total Expenditures:	\$ 8,376

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18) GIS Support (#58200143)

This project, a continuation of a previous WDFW funded project, will fund the purchase of information technology, providing full use of GIS analysis in future projects.

Project Partners: WDFW, Various Contributors
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 3,840
Volunteer Hours: 40 =	\$ 500
Other Contributions:	\$ 9,560
Total Expenditures:	\$ 13,900

19) Riparian Planting (#3100180)

Project funding went to the provision of native plant materials for planting projects within the SPSSEG region. The native plants help reestablish riparian corridors by reducing stream temperatures and providing a source of large woody debris for protection and recruitment of salmonid species.

Project Partners: WDFW, Tom Wynne
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 5,590
Volunteer Hours: 132 =	\$ 1,650
Other Contributions:	\$ 250
Total Expenditures:	\$ 7,490

20) Fish Food Support (#58200142)

Project funding has gone go to the purchase of fish food for the rearing of 25,000 chinook salmon at the Wong and Rosedale pond sites.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEF Funds Spent:	\$ 0
Volunteer Hours: 60 =	\$ 750
Other Contributions:	\$ 0
Total Expenditures:	\$ 750

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21) Salmon Creek Habitat Enhancement (#58200152)

SPSSEG, working with several volunteers from Sumner High School, worked to re-establish the riparian corridor along a section of Salmon Creek in Sumner. Funding for the project went to purchase fencing materials and native plants. The project will generate protective shade and large woody debris for both adults and juvenile salmonids.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	0
Volunteer Hours: 150 =	\$	1,875
Other Contributions:	\$	0
Total Expenditures:	\$	1,875

22) Clover Creek Fish Ladder (#58200835)

Three newly constructed concrete fish ladders have provided passage around three-foot high waterfalls that were built back in the 1900's. The ladders have opened up eight miles of prime spawning and rearing habitat and provided additional habitat for resident populations in Lake Steilacoom.

Project Partners: WDFW, SRFB, Paul Tappel, Other Donors
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	10,000
Volunteer Hours: 164 =	\$	2,050
Other Contributions:	\$	128,400
Total Expenditures:	\$	140,450

23) Clark's Creek Gravel Enhancement (#58200139)

To increase available spawning substrate in Clark's Creek, we distributed gravel at four designated sites in a 750 foot section. Additionally, gravel was distributed in the Puyallup water overflow channel. The gravel-enriched substrate will increase egg development and survival rates.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	1,158
Volunteer Hours: 120 =	\$	1,500
Other Contributions:	\$	0
Total Expenditures:	\$	2,658

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24) Upper Puyallup Culvert (#58200157)

SPSSEG paired with other organizations to repair and replace several barrier culverts within the Upper Puyallup watershed, on Ohop Creek, Fox Creek, and Moose Junction.

Project Partners: WDFW, Natural Resource Conservation, USFWS, Champion Pacific
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,115
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 95,580
Total Expenditures:	\$ 97,695

25) Percival Creek/Sapp Road Culvert (#31010142)

A culvert on Percival Creek with concrete headwalls was replaced. The culvert had acted as a partial passage barrier, blocking migration flows during the high velocity fall and winter months. The replacement of the culvert has opened 840 square miles of spawning habitat and 8200 square miles of rearing habitat to coho, chum, chinook and cutthroat salmonids.

Project Partners: WDFW, City of Tumwater
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$132,000
Total Expenditures:	\$132,000

26) Wollotchet Creek Culvert (#31001455)

We replaced the existing culvert with an arched culvert, thereby providing fish passage into the reaches of the stream that have been restricted for 20 years.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,633
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,633

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27) Leach Creek Weir Repair (#58200653)

Started in 1995, the project repaired two failing weirs below a culvert in Leach Creek. However, the two weirs have been acting as fish passage barriers. The project will drop the level of the weirs, increasing fish passage to the upper reaches of the stream. Ongoing monitoring by SPSSEG volunteers will ensure long-term success of the project.

Project Partners: WDFW
 Project Status: Completed
 Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$	250
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	250

28) S. Sound Coho Production (Ecopath) (#31010030)

SPSSEG organized a modeling workshop for the South Puget Sound area featuring a model team from the University of British Columbia Fisheries Center.

Project Partners: WDFW, Squaxin Island Tribe, Puget Sound Water
 Quality Action Team, USFWS
 Project Status: Completed
 Project Type: Research

Fiscal Summary

RFEF Funds Spent:	\$	155
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	14,500
Total Expenditures:	\$	14,655

NON-RFEF FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Recruit Volunteers/Outreach

SPSSEG hosted several events aimed at recruiting a greater community volunteer base, increasing public awareness about the status of salmon in the Pacific Northwest, and educating people about the efforts of our group. Projects associated with this task have included selling salmon cookies (baked by school volunteers) and oysters at Oysterfest, and giving presentations on our work at the Skookum Rotary.

Project Partners: People for Salmon
 Project Status: Completed
 Project Type: Education

Fiscal Summary

Volunteer Hours:	100
Volunteer Dollars @ \$12.50/hr	\$ 1,250
Other Contributions:	\$ 1,852
Total Expenditures:	\$ 3,082

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2) In-Kind Contributions

Project Partners: People for Salmon
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 1,319
Total Expenditures:	\$ 1,319

3) Lead Entity Workshop

SPSSEG held a workshop bringing together 5 of the 25 Lead Entities with regional project implementers in the South Sound Region. The workshop introduced participants to the analytical tools used in the field of salmon recovery, and provided a detailed overview on how to put together a successful salmon enhancement project. Other topics included the Lead Entity process as a whole, fostering community support, the community's role in salmon enhancement, and future directions for Lead Entities.

Project Partners: People for Salmon
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 3,989
Total Expenditures:	\$ 3,989

4) Project Monitoring

Funding from People for Salmon will cover updating of databases and review of project lists to isolate 23 of past projects most critical for monitoring. In addition, the funds will go directly to monitoring process.

Project Partners: People for salmon
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

Volunteer Hours:	30
Volunteer Dollars @ \$12.50/hr	\$ 375
Other Contributions:	\$ 413
Total Expenditures:	\$ 788

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5) Kennedy Creek Coop

This particular contract pertains to an aspect of the RFEg project 58200145.

Project Partners: People for Salmon, ALEA Grant
Project Status: Ongoing
Project Type: Education

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 11,718
Total Expenditures:	\$ 11,718

6) Volunteer II Revegetation Projects

SPSSEG actively recruited volunteers to assist in revegetation efforts at project sites at Schneider Creek and Tumwater Golf Course.

Project Partners: People for Salmon
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	730
Volunteer Dollars @ \$12.50/hr	\$ 9,125
Other Contributions:	\$ 6,250
Total Expenditures:	\$ 15,375

7) Nisqually River Pond and Fish Ladder

The project is enlarging an off channel rearing pond. Rootwads and logs placed in the pond create protective habitat for juvenile salmonids. The project will result in the enhancement of habitat for juvenile salmonids, over-wintering coho presmolts, and cutthroat trout.

Project Partners: SRFB, Other Donators
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 55,280
Total Expenditures:	\$ 55,280

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8) WRIA 14 Fish Passage Inventory

The Project is providing a comprehensive inventory of all instream structures located on public or private lands within WRIA 14. Information collected from the inventory is given to the SSHIAP program of the NWIFC and WDFW. It will also be made available to any interested parties via the SPSSEG website and CD-ROM.

Project Partners: SRFB, Squaxin Island Tribe, Mason County, Northwest
Indian Fisheries Commission, Simpson Lumber

Project Status: Ongoing

Project Type: Assessment

Fiscal Summary

Volunteer Hours:	91
Volunteer Dollars @ \$12.50/hr	\$ 1,138
Other Contributions:	\$108,960
Total Expenditures:	\$110,098

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PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Administrative Assistant	\$ 29,832	0	\$ 0	\$ 0	\$ 29,832
2) Administration Costs	\$ 27,310	0	\$ 0	\$ 0	\$ 27,310
3) Big Beef Fall Chinook	\$ 1,981	0	\$ 0	\$ 0	\$ 1,981
4) Habitat Restoration/Evaluation	\$ 74,667	0	\$ 0	\$ 0	\$ 74,667
5) Strategic Plan	\$ 1,000	0	\$ 0	\$ 0	\$ 1,000
6)Habitat Restoration	\$ 50,039	0	\$ 0	\$ 0	\$ 50,039
6)Executive Director	\$ 6,330	0	\$ 0	\$ 36,000	\$ 42,330
7)DNR Student Interns	\$ 0	0	\$ 0	\$ 10,000	\$ 10,000
8)Nature Conservancy:Stavis Creek	\$ 0	0	\$ 0	\$ 10,000	\$ 10,000
9)Big Beef Creek Well	\$ 0	0	\$ 0	\$ 100,000	\$ 100,000
10) Seabeck Alki Pie Grant	\$ 0	0	\$ 0	\$ 13,739	\$ 13,739
11) Americorps Volunteers	\$ 0	12,750	\$ 159,375	\$ 38,000	\$ 197,375
12) Union SC Trap Volunteer	\$ 0	1,652	\$ 20,650	\$ 0	\$ 20,650
13) Volunteers: July-Sept, 1999	\$ 0	806	\$ 10,075	\$ 0	\$ 10,075
14) Volunteers: Oct-Dec, 1999	\$ 0	693	\$ 8,663	\$ 0	\$ 8,663
15) Volunteers: Jan-Mar, 2000	\$ 0	723	\$ 9,038	\$ 0	\$ 9,038
16) Volunteers: Apr-June, 2000	\$ 0	1,312	\$ 16,400	\$ 0	\$ 16,400
17) NFWF	\$ 0	0	\$ 0	\$ 300,000	\$ 300,000
18) USFWS #134109J409	\$ 0	0	\$ 0	\$ 85,000	\$ 85,000
19) Mason County	\$ 0	511	\$ 6,388	\$ 248,643	\$ 255,031
20) WSDNR	\$ 0	288	\$ 3,600	\$ 40,000	\$ 43,600
21) WSDNR/JFE	\$ 0	443	\$ 5,538	\$ 155,000	\$ 160,538
22) Ace Paving	\$ 0	0	\$ 0	\$ 24,776	\$ 24,776
23) MCD Volunteer Coordinator	\$ 0	0	\$ 0	\$ 41,666	\$ 41,666
24) USFWS	\$ 0	0	\$ 0	\$ 144,373	\$ 144,373
TOTALS	\$ 191,159	19,178	\$ 239,725	\$ 1,247,197	\$ 1,678,081

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MISSION

To protect and enhance the genetic diversity and populations of wild salmon in Hood Canal by the protection and restoration of habitats, water quality, education, wild salmon incubators and other means. Adopted in 1990, modified in 1999.



Photo: Lilliwaup Creek, 101 crossing

OVERVIEW

The region covered by the Hood Canal Salmon Enhancement Group includes all streams emptying into Hood Canal south of the Hood Canal Floating Bridge. Among them, the Skokomish River is the largest drainage, and the Dosewallips, Duckabush and the Hama Hama Rivers are also significant. 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 are larger than those of the west side of Hood Canal and include some of the most intact salmon habitat on the Kitsap Peninsula. These streams generally have more accessible spawning habitat and more extensive estuaries.

The Hood Canal region supports fall chinook, summer chum, pinks, fall chum, coho, winter steelhead and sea-run cutthroat trout. We do all projects and goals of HCSEG in conjunction with the managers of the Salmon Resource and the Technical Work Group: Long Live The Kings, Washington Department of Fish and Wildlife, U.S. Fish and Wildlife Service, National Marine Fisheries Service, Hood Canal Tribes, Department of Natural Resources, U. S. Forest Service, and local counties. Ten years of working together have created a better future for wild salmon in Hood Canal.

As an organization, we've utilized our state and federal pass through funds for basic infrastructure and support for the programs and projects we undertake. Each year we become better at creative financing and do more and more projects for wild salmon restoration.

In the 1999-2001 Biennium, the Hood Canal Salmon Enhancement Group—

- Removed 2 fish screens and installed 1 fish ladder
- Replaced 14 culverts, and removed 2 culverts and 1 bridge
- Released 100,000 steelhead, 1,000,000 fall chum, 50,000 summer chum, and 100,000 chinook
- Did 25 outreach presentations
- Completed 1 estuary assessment
- Opened 29 miles of spawning habitat
- Gridded and did baseline monitoring over 27 miles of rivers and streams
- Opened over 7,000 acres of watershed for overwinter and summer habitat

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PROJECT HIGHLIGHTS

Habitat:

Challenge: HCSEG, regulators, the tribes, and local residents were concerned about habitat degradation in the Hood Canal watershed. Habitat problems have originated from urban runoff, forestry practices, gravel pits, and stream blockages by roadway culverts—to name a few.

Action: In 1995, HCSEG formed a habitat committee to address the degradation of salmon habitat. Because of the large scope of the problem, we decided to start with the worst and most obvious problems. The committee adopted as its initial goal the removal of fish passage barriers in all the watersheds that make up the Hood Canal watershed. The Dewatto River watershed became the site of the pilot project. The committee planned to take what they learned and apply it to other watersheds in our area.



Photo: The interns set out for a day of stream gridding on the Tahuya River.

In the Dewatto River watershed, culverts blocked eight major tributary streams. By October 15, 1998, we had removed seven and repaired the streams. Mason County acquired the funding for the eighth, White Creek, and it was repaired in 1999. Removing the Dewatto River watershed blockages cost approximately \$600,000. In the summer of 1999, work began on other Hood Canal watersheds. Partners for all these projects have included Mason CD, Mason County, USFWS, WDFW, Manke Lumber, DNR, JFE and local landowners.

Results: The original work on the Dewatto Watershed opened up 12 miles of prime spawning stream and 4,500 acres of watershed for salmon. The work begun in 1999 on other watersheds has included the completion of 10 culvert / fish ladder projects for a total project cost of \$625,007. These projects have opened up 19.7 miles of stream and recovered 557 wetland acres.

Hama Hama Project:

Challenge: We wanted to increase the production of wild salmon.

Action: For four years HCSEG has run a Summer Chum Supplementation Project on the Hama Hama River, spawning summer chum. Utilizing beach seine nets, dedicated volunteers caught a percentage of the natural run of summer chum. They were spawned in 2x2 or 3x3 crosses to maintain stock diversity. Then the eggs were divided between three Wild Salmon Incubator sites in the upper Hama Hama watershed to spread the risk of natural disasters. After the eggs were eyed, we marked their otoliths (ear bones) and returned them to the wild salmon incubators. They emerged from the WSI's as fry and entered raceways at their own volition. Partners involved in this project are part of a Technical Work Group made up of members from WDFW, USFWS, NMFS, Pt-No-Pt. Treaty Tribes, Skokomish Tribes, Long Live the Kings, and HCSEG. Long Live the Kings provides a full-time employee to work on the project.

Results: This project increases the survival of summer chum from egg to smolt, while maintaining genetic diversity.

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Bob Hager, Board Member



Photo: The Union River adult fish trap is run by volunteers 24 hours a day, during a 3-month period.

STAFF

Neil Werner, Executive Director
Eileen Palmer, Administrative Assistant
Dan Hannafious, GIS Technician
Melissa Palmer, Special Project Coordinator
Lee Boad, Salmon Project Director

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RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Strategic Plan (#31010444)

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,000

2) Habitat Restoration and Evaluation (#582-00074)

This project supported our GIS Technician, engineering for culvert projects on North Shore and Union River, and videos covering the projects. The six culvert projects were completed in 2000.

Project Partners: WDFW
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

RFEG Funds Spent:	\$ 74,667
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 74,667

3) Executive Director (#5820076)

This project helped fund the salary for the executive director, who is heavily involved with education, outreach, and administration.

Project Partners: WDFW, USFWS
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 6,330
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 36,000
Total Expenditures:	\$ 42,330

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4) Administrative Assistant (#58200077)

These funds supported the administrative assistant.

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 29,832
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 29,832

5) Administration Costs (#58200078)

This project covered administration costs and office rent. Costs included postage, printing/copies, phone, office supplies, photos, insurance, etc.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 27,310
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 27,310

6) Big Beef Fall Chinook (#58200081)

The grant purchased fish food for the Big Beef Chinook Production Project. HCSEG is into the 11th year for raising chinook salmon at Big Beef. The program started in September 1990 when 2 adult chinook were spawned, resulting in 6,500 fry. In May 2000, 200,000 chinook were released into Big Beef Creek, which flows into Hood Canal. In the fall of 2000, over 900 chinook returned to Big Beef.

Project Partners: WDFW
Project Status: Completed
Project Type: Production

Fiscal Summary

RFEG Funds Spent:	\$ 1,981
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,981

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

7) Habitat Restoration (#31010037)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 50,039
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 50,039

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) DNR Student Interns

DNR helped support our Intern Program by providing funds to hire three high school interns who worked through the summer. Our intern team walked and gridded each stream in the watershed, placed permanent markers every 100 meters, and gathered Salmon Habitat data--GPS points for Database.

Project Partners: DNR
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 10,000
Total Expenditures:	\$ 10,000

2) Nature Conservancy: Stavis Creek

This project funded the gridding of Stavis Creek, including benchmarks every 100 meters, GPS points.

Project Partners: Nature Conservancy
Project Status: Completed
Project Type: Assessment

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 10,000
Total Expenditures:	\$ 10,000

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

3) Big Beef Creek Well

The drilling of a new well at the UW Research Station on Big Beef Creek supported fish production projects and research projects.

Project Partners: IAC (SRFB)
Project Status: Yes
Project Type: Fish Production

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$100,000
Total Expenditures:	\$100,000

4) Seabeck Alki Salmon Team Pie Grant

Seabeck Alki Salmon Team wrote, illustrated and published books on salmon. The team also created a slide show and made presentations to many schools and groups.

Project Partners: PSWQAT
Project Status: Completed
Project Type: Education

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$ 13,739
Total Expenditures:	\$ 13,739

5) USFWS #134100J010

This project supported our Wild Salmon Conservancies - summer chum, steelhead and chinook. It provided for engineering for culvert projects, and it supported monitoring, GIS Technician, Nutrifcation Research Project ,and our Intern Program. The funds also contributed to covering our executive director and administrative costs.

Project Partners: USFWS
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

Volunteer Hours:	0
Volunteer Dollars @ \$12.50/hr	\$ 0
Other Contributions:	\$144,373
Total Expenditures:	\$144,373

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

OTHER PROJECTS: R F E G AND NON-R F E G F U N D E D

Mason Conservation District Volunteer Coordinator #99-12-RF

July 1, 1999 thru June 30, 2001

Total Budget: 41,666

Funds were used to coordinate volunteers and run our salmon projects.

USFWS Agreement #134109J409

June 1, 1999 thru July 30, 2000

Budget: \$85,000

This grant was used for our—

- Wild Salmon Conservancy Projects (\$5,742 and \$799 travel),
- Habitat Design and Intern Program (\$7,240 for project development and \$22,934 for interns)
- Administration (\$20,214 for executive director, \$989 for travel and \$7,082 for office expenses)

National Fish & Wildlife Foundation –Hood Canal Projects 2000

Budget: \$300,000

Admin Assist - \$7,395

Federal Audit - \$4,000

Project Manager - \$28,812

Travel - \$1,106

Construction - \$258,687

The majority of this grant was used for construction projects: Schoolhouse Creek Culvert, Charly's Creek Culvert, Twin Lakes Culverts, Erdman Lake Culvert, Stringer Creek Culvert removal, Johnson Ck Culvert, Hall Ck Culvert, two culverts on Bear Creek, Everson Creek Culvert, and Courtney Creek Culvert.

Education and Outreach:

HCSEG is involved with an extensive education and outreach program with the Hood Canal Watershed Project Center and North Mason High School, including workshops, lectures, forums, field work, exhibits, and presentations. Funding for this project comes from federal and state. HCSEG provided 8 - \$1,500 scholarships in May 2000 and 6 internships at \$3,000 each.

Mason County Department of Public Works

2000

Budget: \$248,643.00

Culvert Project

Johnson Ck - \$54,190.00

Hall Ck - \$46,961.00

Erdman Lk Ck - \$55,542.00

Courtney Ck - \$48,031.00

Everson Ck - \$43,919.00

Schoolhouse Ck - \$73,873.00

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

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Department of Natural Resources

2000
Budget: \$40,000.00
Culvert Projects and Student Interns
Stringer Ck - \$20,000.00
WRIA 15-0465 - \$10,000.00
Student Interns - \$10,000.00

Washington State Jobs for the Environment

Budget: \$155,000.00
Culvert Projects
Stringer Ck - \$34,257.00
Charly's Ck - \$48,006.00
Schoolhouse Ck - \$3,200.00
Monitoring - \$68,537.00

Ace Paving, Inc.

Budget: \$24,776.00
Culvert Projects
Stringer Ck - \$4,400.00
WRIA 15-0465 - \$5,400.00
Johnson Ck - \$2,700.00
Hall Ck - \$2,700.00
Charly's Ck - \$1,800.00
Erdman Lk Ck - \$1,872.00
Twin Lks Ck - \$864.00
Courtney Ck - \$3,240.00
Everson Ck - \$1,800.00

AmeriCorps

Budget: \$150,000.00

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

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PROJECTS: 1999-2001 BIENNIUM

Courtney Creek culvert replacement
Everson Creek culvert replacement
Upper Bear Creek culvert replacement
Lower Bear Creek culvert replacement
Twin Lakes culvert replacement
0465 culvert replacement
Stringer Creek bridge removal
Outlet Creek LWD placement
Erdman Lake Creek culvert replacement
Johnson Creek culvert replacement
Hall Creek culvert replacement
Upper Stimson culvert replacement
School House creek culvert replacement
Big Beef Creek water supply project
Big Beef Creek estuary monitoring project
Stavis Creek baseline monitoring project
Dewatto River baseline monitoring project
Tahuya River baseline monitoring project
Union River baseline monitoring project
Tahuya Peninsula adult salmon spawner surveys
Dewatto River Nutrification research study
Union River Summer Chum supplementation project
Hama Hama River Chinook supplementation project
Hama Hama River Steelhead supplementation project
Hama Hama River Summer Chum supplementation project
Duckabush River Chinook supplementation project
Lilliwaup River supplementation projects
Skokomish River Chinook supplementation project
Hood Canal School Fall Chum supplementation project
Sweetwater Creek Fall Chum supplementation project
Fish counting research (various sites)
Smolt trap monitoring projects (10 sites)
Scholarship/internship program

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROGRAM EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Director	\$ 37,948	576.0	\$ 7,200	\$ 12,000	\$ 57,148
2) Dungeness Elwa Nutrient Enhancement	\$ 288	50.0	\$ 625	\$ 0	\$ 913
3) East Twin	\$ 7,000	30.0	\$ 375	\$ 1,000	\$ 8,375
4) Houck Pond Erosion Control	\$ 4,015	0.0	\$ 0	\$ 1,000	\$ 5,015
5) Jimmycomelately Summer Chum	\$ 500	364.5	\$ 4,556	\$ 5,700	\$ 10,756
6) Louie Lee	\$ 7,785	92.0	\$ 1,150	\$ 0	\$ 8,935
7) Matriotti Creek Fencing	\$ 700	0.0	\$ 0	\$ 700	\$ 1,400
8) Salt Creek	\$ 36,130	114.0	\$ 1,425	\$ 25,000	\$ 62,555
9) Volunteer Coordinator	\$ 4,887	2,758.0	\$ 34,475	\$ 56,666	\$ 96,028
10) Lower Elwa Natures Pond	\$ 1,887	0.0	\$ 0	\$ 0	\$ 1,887
11) Bishop BMP Implementation	\$ 2,985	0.0	\$ 0	\$ 0	\$ 2,985
12) Chimacum Sediment Trap Excavation	\$ 1,300	0.0	\$ 0	\$ 0	\$ 1,300
13) Bishop Culvert	\$ 6,800	0.0	\$ 0	\$ 0	\$ 6,800
14) Project Support: Administration 2000	\$ 10,117	0.0	\$ 0	\$ 0	\$ 10,117
15) Safety	\$ 0	70.0	\$ 875	\$ 2,750	\$ 3,625
16) Summer Chum Facilities	\$ 0	1,200.0	\$ 15,000	\$ 19,500	\$ 34,500
17) WF Chimucum Cr Restoration	\$ 0	408.0	\$ 5,100	\$ 37,646	\$ 42,746
18) Chimum Cr Planting 2000 & 2001	\$ 0	1,178.0	\$ 14,725	\$ 0	\$ 14,725
19) Christian Planting	\$ 0	184.0	\$ 2,300	\$ 8,000	\$ 10,300
20) Hatcheries 2000 & 2001	\$ 0	2,416.0	\$ 30,200	\$ 19,500	\$ 49,700
21) Scholtz-Durgan	\$ 2,847	48.0	\$ 600	\$ 0	\$ 3,447
22) Smolt Trap	\$ 0	64.0	\$ 800	\$ 0	\$ 800
23) Snow Creek Coho Recovery	\$ 0	688.0	\$ 8,600	\$ 0	\$ 8,600
24) Spawning Survey	\$ 0	790.0	\$ 9,875	\$ 0	\$ 9,875
25) Barnhouse 2001	\$ 0	64.0	\$ 800	\$ 0	\$ 800
26) Dungeness Elwa Nutrient Enhancement	\$ 0	50.0	\$ 625	\$ 0	\$ 625
27) Jimmycomelately Summer Chum	\$ 0	142.0	\$ 1,775	\$ 0	\$ 1,775
TOTALS	\$ 125,189	11,286.5	\$ 141,081	\$ 189,462	\$ 455,732

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

North Olympic Salmon Coalition's mission is to protect, restore and increase salmon stocks in the North Olympic Peninsula watersheds.

OVERVIEW

The North Olympic Salmon Coalition (NOSC) is a non-profit, community-based salmon recovery organization. We provide funding, guidance, technical assistance, and ongoing support for salmon habitat restoration and enhancement. NOSC partners include public agencies, landowners and community members. Our area covers the watersheds along the coast of the Strait of Juan de Fuca, from the Hood Canal Bridge west to Neah Bay.



Photo: Volunteers remove otoliths while conducting spawning surveys for summer chum.

NOSC works to restore and increase the quality and quantity of spawning and rearing habitat for chinook, coho, chum, steelhead, and cutthroat trout. We are working to protect and restore estuarine and nearshore habitat. NOSC also provides community-based outreach and education activities and programs to local schools, community groups, and service organizations.

BIENNIUM ACCOMPLISHMENTS

In the last two years NOSC worked on over 20 projects, including facilitating the conservation easement of 100 acres with the Jefferson Land Trust. Other accomplishments have included—

- 12 acres of riparian planting
- 2 miles of stream fencing
- 2,000 ft of stream restoration
- 6 acres of opened wetlands
- 3 culvert replacements

PROJECT HIGHLIGHTS

Summer Chum Return to Chimacum Creek: The Story of Chimacum Creek

Challenge: Historically, thirty-mile long Chimacum Creek provided habitat for native coho, summer chum, cutthroat trout, and steelhead. Located in the rain shadow of the Olympic Mountains, the Chimacum has a low ratio of average annual discharge to watershed area compared to other streams on the Olympic Peninsula; however, historically the groundwater has offered adequate stream flow and habitat conditions to support native salmon populations.

Unfortunately, by 1989 the summer chum in Chimacum Creek had officially gone extinct and the other salmon populations were depressed. In 1983, events impacted the fate of the summer chum run. Two landslides in logged-off areas sent sediment into the spawning grounds. For weeks the brown plume from the creek's estuary covered Port Townsend Bay in Puget Sound. The excessive sediment turned the salmon spawning gravel into a cement-hard bed.

Action: Over the last ten years, NOSC has worked with many groups and individuals to re-establish the Chimacum summer chum. Playing a key role in this historic effort, we've coordinated restoration projects, easement acquisition, salmon stock restoration and watershed monitoring.

REGION 7 – NORTH OLYMPIC SALMON COALITION

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Our partners in the Chimacum watershed have included Wild Olympic Salmon (WOS), the Jefferson County Conservation District, Trout Unlimited, WDFW, the Jefferson Land Trust, and Point No Point Treaty Council, as well as local schools, Jefferson County, WSU Cooperative Extension, People for Salmon, numerous landowners, and community groups.



Photo: Summer chum fry released in Chimacum Creek.

The Quilcene-Snow Restoration Crew, a Jobs For the Environment team comprised of displaced timber workers and commercial fishermen, contributed a great deal to the effort. The crew worked on stream rehabilitation, seventeen miles of livestock fencing, tree planting, culvert repair and installation of a sediment basin. NOSC and the Jefferson County Conservation District provided matching funds, and technical and community support for these restoration efforts.

With local citizens' persistence and help from WDFW biologists, volunteers instituted a broodstock program on Salmon Creek, the closest watershed to Chimacum Creek, in hopes of increasing the native summer chum return to the Chimacum watershed. WOS/NOSC volunteers and state biologists collected adult fish from Salmon Creek to rear in the Salmon Creek facility, increasing that stock by 60%.

Annually since 1996, workers have transferred thousands of eggs to a WOS/NOSC hatchery on a tributary of Chimacum Creek. When they hatch in December or January, the volunteers feed the fry in tanks and then move the fry by truck and bucket brigade to the lower mile of Chimacum Creek for release in April. Kala Point Homeowners Association allowed installation of a net pen float to provide a salt water rearing option in 2001. Several members of the Association have become daily volunteers, feeding and monitoring the young fish.

Results: The fall of 1999 marked the return of the first 35 broodstock fish in Chimacum Creek, all three-years-old. That same year the Hood Canal Strait of Juan de Fuca Summer chum run was listed under the Endangered Species Act. The 2000 run of three and four-year olds brought 54 returning spawners. But the return in 2001 of three, four, and five-year-olds exceeded all hopes. There were 900 fish returning to the formerly silt ridden gravels, becoming a geologic force themselves!

It has taken many years of hard work to bring back the summer chum run and invigorate the other runs. Meanwhile in 1999, NOSC's summer chum recovery efforts expanded to Jimmycomelately Creek in Clallam County, where we've established a volunteer broodstock program with Wild Olympic Salmon and WDFW.

NOSC's efforts across the peninsula were boosted in 2000 and 2001 through grants from the WA Conservation Commission and People for Salmon to implement volunteer projects. NOSC's activities focused on organizing school and community groups to plant, maintain and monitor riparian revegetation projects. The projects include establishment of plant nurseries on two organic farms in Chimacum Valley and a third at the Chimacum School. These plant materials are held for an extra season and then planted along stream banks in the watershed. This work will ensure a healthy home for our returning chums.

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

BOARD

Tom Ammeter	President
Walt Blendermann	Vice President
Ray Lowrie	Secretary/Treasurer
Harry Bell	Board Member
Lige Christian	Board Member
Dick Schneider	Board Member
Curtis Dawley	Board Member
Ted Schmidt	Board Member
Pete Schroeder	Board Member



Photo: NOSC's Nearshore survey volunteers work directly with scientists in baseline monitoring.

STAFF

Paula Mackrow, Executive Director
Neil Harrington, Volunteer Coordinator

CONTACT INFORMATION

North Olympic Salmon Coalition (NOSC)
P.O. Box 699
Port Townsend, WA 98368
(360) 379-8051
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REGION 7 – NORTH OLYMPIC SALMON COALITION

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R F E G F U N D E D P R O J E C T S : F I S C A L B I E N N I U M J U L Y 1 , 1 9 9 9 - J U N E 3 0 , 2 0 0 1

1) Director (#58200135)

Funds were used for community outreach and education, project identification, development, and grant writing. Activities included obtaining \$500,000 in successful grants, participating in RFEAG Advisory Board and committees, and partnering in the strategic planning process.

Project Partners: WDFW, People for Salmon
Project Status: Ongoing
Project Type: Multiple Types

Fiscal Summary

RFEAG Funds Spent:	\$ 37,948
Volunteer Hours: 576 =	\$ 7,200
Other Contributions:	\$ 12,000
Total Expenditures:	\$ 57,148

2) Dungeness Elwha Nutrient Enhancement (#31010139)

The project provided travel expense compensation to volunteers placing carcasses in the Dungeness and Elwha watersheds.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEAG Funds Spent:	\$ 288
Volunteer Hours: 50 =	\$ 625
Other Contributions:	\$ 0
Total Expenditures:	\$ 913

3) East Twin (#58200133)

To alleviate stranding and potential predation problems with the 1998 project design, the Clallam CD/JFE crew excavated the side channel and repositioned LWD. The crew also added LWD with two constructed log jams positioned to eliminate bank erosion and create pool structure.

Project Partners: WDFW, L. Elwha Kallam, Biologist
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEAG Funds Spent:	\$ 7,000
Volunteer Hours: 30 =	\$ 375
Other Contributions:	\$ 1,000
Total Expenditures:	\$ 8,375

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4) Houck Pond Erosion Control (#31010138)

Funds provided engineering concept and plans to control erosion and stabilize side slopes in runoff tributary to Salmon Creek.

Project Partners: WDFW, Jefferson Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 4,115
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 1,000
Total Expenditures:	\$ 5,115

5) Jimmycomelately Summer Chum (#31010355)

Wild Olympic Salmon and NOSC volunteers, and WDFW biologists and hatchery specialists participated. They operated a broodstock program for summer chum on Jimmeycomelately Creek. In spring 2001, 25,900 fry were released.

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEF Funds Spent:	\$ 500
Volunteer Hours: 364.5 =	\$ 4,556
Other Contributions:	\$ 5,700
Total Expenditures:	\$ 10,756

6) Louie Lee (#58200329)

Project maintenance on this 3000 feet of recent channel were needed after excessive storm flows in 1999. Two log weirs were repaired, and 75 large boulders and LWD were placed in the channel to dissipate energy during high flows in the new high gradient reach.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 7,785
Volunteer Hours: 92 =	\$ 1,150
Other Contributions:	\$ 0
Total Expenditures:	\$ 8,935

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7) Matriotti Creek Fencing (#58200290)

Cost share with Clallum Conservation District provided livestock exclusion fencing on Matriotti Creek.

Project Partners: WDFW, Clallum Conservation District
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	700
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	700
Total Expenditures:	\$	1,400

8) Salt Creek (#58200138)

About 1,800 feet of channel was reconfigured in a ditched wetland pasture on a tributary to Salt Creek. The work included installing seven control logs, five rock weirs, six lateral ditch ponds, two new culverts, one foot bridge, instream rocks, LWD and 4,355 feet of five-strand barbed wire fencing. In all, over six acres of livestock exclusion wetland and riparian area was planted with deciduous and coniferous native plants.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	36,130
Volunteer Hours: 114 =	\$	1,425
Other Contributions:	\$	25,000
Total Expenditures:	\$	62,555

9) Volunteer Coordinator (#58200136)

These funds provided community outreach and education opportunities in salmon enhancement. Activities included project identification, development, presentations to schools and the general public, spawning surveys, nurseries, plantings, monitoring, and maintenance in a variety of watersheds.

Project Partners: WDFW, People for Salmon, WA Conservation Commission
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	4,887
Volunteer Hours: 2,758 =	\$	34,475
Other Contributions:	\$	56,666
Total Expenditures:	\$	96,028

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10) Lower Elwha Natures Pond (#5800325)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,887
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,887

11) Bishop BMP Implementation (#31010026)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,985
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,985

12) Chimacum Sediment Trap Excavation (#58200592)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,300
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,300

13) Bishop Culvert (#31010140)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 6,800
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 6,800

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14) Project Support: Administration FY 2000 (#58200134)

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 10,117
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 10,117

15) Scholtz-Durgan Habitat Restoration (58200330)

In 1999, Wild Olympic Salmon and Jobs for the Environment established new pools utilizing logs and LWD to enhance fish habitat. Deciduous and coniferous trees were also planted to create a 100 foot riparian buffer along 1300 feet of stream. Planting and maintenance continued on the project in 2000.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,847
Volunteer Hours: 48 =	\$ 600
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,447

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Safety

NOSC safety committee prepared a safety training plan for volunteer activities with the assistance of WDFW, People for Salmon, and Associated General Contractors. Safety materials needed for implementing the program were purchased.

Project Partners: ALEA-WDFW, AGC, People for Salmon
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	70
Volunteer Dollars @ \$12.50/hr	\$ 875
Other Contributions:	\$ 2,750
Total Expenditures:	\$ 3,625

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

2) West Fork Chimacum Creek Restoration

This project designed and engineered the replacement of a concrete culvert with a bridge. Over a half-mile mile of Chimacum Creek, crews improved habitat for coho, steelhead and cutthroat trout by restoring channel complexity w/LWD, widening channel floodplain features, and restoring riparian vegetation.

Project Partners: Trout Unlimited,
Smayda Environmental Association,
People For Salmon, SRFB-HCCC LE
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	408
Volunteer Dollars @ \$12.50/hr	\$ 5,100
Other Contributions:	\$ 37,646
Total Expenditures:	\$ 42,746

3) Summer Chum Facilities

Since 1992, NOSC partners have worked to rebuild summer chum stock in Salmon Creek and reintroduce that stock to Chimacum Creek. The project is included in the NMFS approved summer chum recovery in Hood Canal and the Strait of Juan de Fuca.

Project Partners: Jefferson Conservation District, ALEA-WDFW,
GSRO-Jefferson County
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

Volunteer Hours:	1,200
Volunteer Dollars @ \$12.50/hr	\$ 15,000
Other Contributions:	\$ 19,500
Total Expenditures:	\$ 34,500

4) Chimacum Creek Planting 2000 & 2001

Deciduous and conifer tree seedlings were planted in several restoration sites along Chimacum Creek to provide a riparian corridor. To promote tree seedling survival, volunteers placed tree tubes around trees and controlled weeds.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	1,178
Volunteer Dollars @ \$12.50/hr	\$ 14,726
Other Contributions:	\$ 0
Total Expenditures:	\$ 14,726

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

5) Christian Planting

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	184
Volunteer Dollars @ \$12.50/hr	\$ 2,300
Other Contributions:	\$ 8,000
Total Expenditures:	\$ 10,300

6) Hatcheries 2000 & 2001

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

Volunteer Hours:	2,416
Volunteer Dollars @ \$12.50/hr	\$ 30,200
Other Contributions:	\$ 19,500
Total Expenditures:	\$ 49,700

7) Salt Creek

In 1999, weirs, six lateral ditch ponds, two new culverts, one foot bridge, in-stream rocks, LWD, and 4,355 feet of five strand barbed wire fencing were installed, providing winter coho habitat. Deciduous and coniferous native trees were planted over 6 acres of wetland and riparian area. Planting and maintenance continued on the project in 2000 and 2001.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	97
Volunteer Dollars @ \$12.50/hr	\$ 1,213
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,213

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

8) Smolt Trap

Volunteers assisted the Lower Elwha S'Klallam Tribe in installing smolt traps on the little Hoko, Deep Creek and the East Twin Rivers.

Project Partners: Volunteers
Project Status: Completed
Project Type: Research

Fiscal Summary

Volunteer Hours:		64
Volunteer Dollars @ \$12.50/hr	\$	800
Other Contributions:	\$	0
Total Expenditures:	\$	800

9) Snow Creek Coho Recovery

In cooperation with the WDFW, we set up Remote Site Incubators (RSIs) for coho on Snow Creek. Volunteers set up and monitored this RSI, and they also helped with smolt trapping at Snow Creek Research Station (WDFW) to monitor the success of their efforts.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:		688
Volunteer Dollars @ \$12.50/hr	\$	8,600
Other Contributions:	\$	0
Total Expenditures:	\$	8,600

10) Spawning Survey

Volunteers surveyed coho and chum in Chimacum Creek, Salmon Creek, Matriotii Creek, and Bell Creek. In Chimacum Creek and Salmon Creek, where endangered chum are present, the dead salmon were measured and scales taken. The otolith was taken for identification purposes.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:		790
Volunteer Dollars @ \$12.50/hr	\$	9,875
Other Contributions:	\$	0
Total Expenditures:	\$	9,875

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

11) Barnhouse 2001

The Barnhouse property has an established 31 acre conservation easement with the Jefferson Land Trust. Salmon habitat improvements to Barnhouse Creek include tree plantings, livestock fencing and installation of a culvert to allow fish passage.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	64
Volunteer Dollars @ \$12.50/hr	\$ 800
Other Contributions:	\$ 0
Total Expenditures:	\$ 800

12) Jimmycomelately Summer Chum

Wild Olympic Salmon and NOSC worked with WDFW biologists and hatchery specialists to operate a broodstock program for summer chum on Jimmycomelately Creek in Clallum County. There were 25,900 fry released in the spring of 2001.

Project Partners: Volunteers
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	142
Volunteer Dollars @ \$12.50/hr	\$ 1,775
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,775

13) Dungeness & Elwa Nutrient Enhancement

The project provided travel expense compensation to volunteers placing carcasses in Dungeness and Elwa watersheds.

Project Partners: Volunteers
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	50
Volunteer Dollars @ \$12.50/hr	\$ 625
Other Contributions:	\$ 0
Total Expenditures:	\$ 625

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Administrative Costs FY00	\$ 13,715	350	\$ 4,375	\$ 0	\$ 18,090
2) Beaver Falls Spring Overwintering	\$ 0	28	\$ 350	\$ 0	\$ 350
3) Bogi Springs Habitat Improvement	\$ 4,000	0	\$ 0	\$ 2,000	\$ 6,000
4) Director/Volunteer Coordinator	\$ 60,754	0	\$ 0	\$ 0	\$ 60,754
5) Ellis Creek Stream Survey	\$ 8,000	40	\$ 500	\$ 1,000	\$ 9,500
6) Forks HS Salmon Rearing	\$ 558	0	\$ 0	\$ 0	\$ 558
7) Ho Hum Cr Culvert Replacement	\$ 4,803	28	\$ 0	\$ 0	\$ 5,153
8) Labrador Wetlands	\$ 2,500	0	\$ 0	\$ 37,500	\$ 40,000
9) Lee's Cr Culvert Replacement	\$ 5,000	40	\$ 500	\$ 6,000	\$ 11,500
10) Loushin Culvert Replacement	\$ 7,859	24	\$ 300	\$ 0	\$ 8,159
11) Lower Hoh River Riparian	\$ 0	0	\$ 0	\$ 122,000	\$ 122,000
12) Quillayute River Nutrient Enrich	\$ 5,253	1,500	\$ 18,750	\$ 0	\$ 24,003
13) Selbery Cr Restoration	\$ 5,940	26	\$ 325	\$ 126,000	\$ 132,265
14) Smith Overwintering Pond	\$ 1,508	120	\$ 1,500	\$ 0	\$ 3,008
15) Treckle Ponds Habitat	\$ 266	0	\$ 0	\$ 0	\$ 266
16) Upper Tassel Cr Culvert Modification	\$ 15,000	0	\$ 0	\$ 85,000	\$ 100,000
17) Warner Cr Outlet	\$ 0	26	\$ 325	\$ 0	\$ 325
18) N Jefferson County Fish Passage	\$ 25,007	0	\$ 0	\$ 133,800	\$ 158,807
19) M&R Springs Habitat Improvement	\$ 2,493	0	\$ 0	\$ 47,400	\$ 49,893
20) NF Calawah Habitat Restoration	\$ 6,500	0	\$ 0	\$ 7,000	\$ 13,500
21) Pins Creek Engineering	\$ 0	50	\$ 625	\$ 0	\$ 625
22) Prairie Falls Cr Restoration	\$ 13,940	0	\$ 0	\$ 120,000	\$ 133,940
TOTALS	\$ 183,096	2,232	\$ 27,900	\$ 687,700	\$ 898,696

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The Pacific Coast Salmon Coalition is a regional fisheries enhancement group actively involved in local volunteer-based habitat restoration to achieve a healthy salmonid resource within our region.

OVERVIEW AND PROJECT HIGHLIGHTS

The Pacific Coast Salmon Coalition, based in Forks, Washington, is located approximately 250 miles northwest of Seattle. Our region encompasses the western portion of the Olympic Peninsula. Much of the area lies within Olympic National Park, Olympic National Forest, and Native American reservations.

Major challenges include balancing the needs of salmon with the area's economic dependency on fishing and logging. In addition, the predominance of federal and other lands means we put a high priority on coordinating with other agencies.

We pride ourselves on our landowner relationships; we believe that habitat projects should benefit landowners as well as salmon. We also have good working partnerships with three of the local Native American tribes.

One of our recent projects provides an example of our collaborations. Sixty years ago the Army Corps of Engineers diverted a meandering section of Prairie Falls Creek. To restore the stream to its natural path, we worked with the Quileute Tribe, People for Salmon, and the WDFW SSHEAR Program. Not only did we contribute the culvert; we also established working relationships with the landowners, essential to the project's success.

Another high priority of the board is our nutrient enhancement project. We take surplus salmon carcasses from our local hatcheries and place them into streams and rivers for juvenile salmonid, insects, scavengers, and other animals to feed on. The success of this project depends on the efforts of our dedicated volunteers.

Like other RFEs, our niche within the salmon habitat restoration community comes from our on-the-ground relationship with landowners and our ability to encourage volunteerism among the local citizenry.

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CONTACT INFORMATION

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Forks, WA 98331
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REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Administrative Costs FY 2000 (#58200221)

Administrative funds have been critical in the continued success of the Pacific Coast Salmon Coalition. These funds have paid for mileage and all manner of bills associated with maintaining an office, from the purchase of a PC to the monthly rent and power bill.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 13,715
Volunteer Hours: 350 =	\$ 4,375
Other Contributions:	\$ 0
Total Expenditures:	\$ 18,090

2) Beaver Falls Spring Overwintering (#58200236)

The Beaver Falls Spring pond project will replace a nonfunctioning impassable culvert with a functioning culvert. In cooperation with the USFS, we will build a series of rock structures to maintain pond level and allow access to salmonid. The pond would provide valuable spawning and rearing habitat to juvenile salmonid.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 28 =	\$ 350
Other Contributions:	\$ 0
Total Expenditures:	\$ 350

3) Bogi Springs Habitat Improvement (#31001425)

The Bogi Springs project created a pond and channel configuration to provide off channel and overwintering habitat to juvenile salmonid. In December 2000, the channel was flooded with debris and disconnected from the series of ponds that had been rearing a small number of juvenile coho. PCSC, in cooperation with the USFS, reconnected the channel to the series of ponds, adding two log structures to increase the available spawning and rearing habitat.

Project Partners: WDFW, USFS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 2,000
Total Expenditures:	\$ 6,000

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Director/Volunteer Coordinator (#58200234)

This project pays for the administrator's salary.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 60,754
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 60,754

5) Ellis Creek Stream Survey (#31010356)

The Pacific Coast Salmon Coalition, in cooperation with Crown Pacific, Rayonier and the Makah tribe, did a stream survey on Ellis Creek. Ellis Creek is a large tributary to Hoko River. Only a minimal amount of outdated information is available on the area. PCSC took the lead in surveying the stream to assess blockages, types of fish usage and distribution.

Project Partners: WDFW, Olympic Environmental
Project Status: Completed
Project Type: Assessment

Fiscal Summary

RFEG Funds Spent:	\$ 8,000
Volunteer Hours: 40 =	\$ 500
Other Contributions:	\$ 1,000
Total Expenditures:	\$ 9,500

6) Forks High School Salmon Rearing Facility (#58200232)

The Forks High School has maintained this facility for a number of years. The primary goal of the facility is assisting the Quileute Tribe in the production of chinook salmon. However, the facility has primarily focused on rearing cutthroat trout.

Project Partners: WDFW
Project Status: Completed
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$ 558
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 558

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

7) Hoh Hum Creek Culvert Replacement (#58200235)

On Hoh Hum Creek an undersized non-functioning culvert was replaced with a properly- sized, appropriately-placed culvert. The landowner assisted in the implementation of the project. The new culvert will allow juvenile salmonid access to a pond located just above the culvert, providing valuable off channel habitat. The completion of this project is a good start to a multi-phase project occurring on the Hoh Hum Ranch, including a livestock exclusion fence, watering points and a bridge to keep animals and equipment out of the stream.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,803
Volunteer Hours: 28 =	\$ 350
Other Contributions:	\$ 0
Total Expenditures:	\$ 5,153

8) Labrador Wetlands (#31001793)

The Pacific Coast Salmon Coalition, partnering with SSHEAR and Green Crow, stabilized a wetland within a forested wetland. Labrador Creek crosses an abandoned logging road where the culvert had plugged. Primarily road fill had increased the available wetland habitat. We removed the nonfunctioning culvert and still maintained the wetland.

Project Partners: WDFW, SSHEAR, Green Cow
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 37,500
Total Expenditures:	\$ 40,000

9) Lee's Creek Culvert Replacement (#58200237)

The Lee's Creek project removed an undersized, completely collapsed culvert and replaced it with an appropriately sized culvert pipe. The Pacific Coast Salmon Coalition bought the culvert, and the landowner purchased the rock and placed the new pipe. The new pipe allows salmonoid access to more than a mile of both spawning and rearing habitat.

Project Partners: WDFW, Landowner
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,000
Volunteer Hours: 40 =	\$ 500
Other Contributions:	\$ 6,000
Total Expenditures:	\$ 11,500

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

10) Loushin Culvert Replacement (#58200223)

The Loushin Culvert project replaced several nonfunctioning and rusted pipes on two separate tributaries. We installed larger culverts that allow fish to migrate up into several miles of previously inaccessible pristine habitat. The new culverts also allow LWD to migrate downstream and function in the streams.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 7,859
Volunteer Hours: 24 =	\$ 300
Other Contributions:	\$ 0
Total Expenditures:	\$ 8,159

11) Lower Hoh Riparian/ Log Jam (#58200240)

The Lower Hoh Log Jam project is a partnership between Pacific Coast Salmon Coalition and the Hoh Tribe. The Pacific Coast Salmon Coalition will buy the whole trees that will be placed at the mouth of the Hoh River to reduce erosion and provide cover for salmon. The Hoh Tribe will be transporting and placing the whole trees primarily to act as key logs attracting and incorporating LWD from the system.

Project Partners: WDFW, Hoh Tribe
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 122,000
Total Expenditures:	\$ 122,000

12) Quillayute River Nutrient Enhancement (#58200224)

The Nutrient Enrichment Program has been and continues to be one of our best projects. Each year we have placed 10,000 to 15,000 coho and steelhead carcasses from the Sol Duc and Bogachiel Hatcheries back into the Quillayute system, providing valuable nutrients to juvenile salmonid. Several other indigenous species such as bear and eagles, who depend on salmon for their high nutrition, benefit as well.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,253
Volunteer Hours: 1,500 =	\$ 18,750
Other Contributions:	\$ 0
Total Expenditures:	\$ 24,003

REGION 8 – PACIFIC COAST SALMON COALITION

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13) Selberg Creek Restoration

The Solberg Cr. Restoration Project was a cooperative project between the PSCS, Makah Tribe and Green Crow. A non-functioning culvert was removed and replaced with a bridge. LWD was placed in the stream above and below the bridge to reduce sediment input and increase pools and cover for salmon.

Project Partners: WDFW, Makah Tribe, Green Crow
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,940
Volunteer Hours: 26 =	\$ 325
Other Contributions:	\$ 126,000
Total Expenditures:	\$ 132,265

14) Smith Overwintering Pond (#31001794)

The Pacific Coast Salmon Coalition would like to open a contract for Smith Overwintering pond. The project would fence off and plant around this spring-fed pond and channel. Last summer a baffled culvert was placed at the outlet where the pond joins the Sol Duc River, in a cooperative project with the land owner and the SSHEAR group.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,508
Volunteer Hours: 120 =	\$ 1,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,008

15) Triekle Ponds Off-Channel Habitat (#31001424)

The first stage of the Triekle Ponds project involves diverting water through a channel to Triekle Ponds to see if they will hold water throughout the summer months. The second stage (if the first is successful) is making this "channel" fish passable. The third stage would open the mouth of the channel so fish can gain access.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 266
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 266

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

16) Upper Tassel Creek Culvert Modification (#58200227)

PCSC partnered with the landowner and the Quileute tribe to place a 65 foot bridge on Upper Tassel Creek. The bridge replaced an aging and perched 9 foot culvert. Bridge stumps and root wads were placed in the stream to provide cover for juvenile salmonid and to incorporate more LWD into structures.

Project Partners: WDFW, Quileute Tribe
Project Status: Completed
Project Type: Habitat restoration

Fiscal Summary

RFEF Funds Spent:	\$ 15,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 85,000
Total Expenditures:	\$ 100,000

17) Warner Creek Outlet (#31001798)

Funds will pay for the design and engineering of the project. Warner Creek is a tributary to Mill Creek. Where the two meet, it is close to the road and there is a drop of three feet. We would like to move the outlet over and construct a fishway so juveniles could utilize the upper reaches of Warner Creek.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 0
Volunteer Hours: 26 =	\$ 325
Other Contributions:	\$ 0
Total Expenditures:	\$ 325

18) West Jefferson County Fish Passage (#58200241)

The West Jefferson County project was a series of projects identifying 20 problem culverts throughout the Hoh watershed. Pacific Coast Salmon Coalition partnered with Jefferson County and the Hoh Tribe. They had identified the various projects and assisted in replacing four nonfunctioning culverts with two larger functioning culverts and two bridges. LWD was placed in stream, and the banks were pulled back and stabilized.

Project Partners: WDFW, Hoh Tribe, Jefferson County
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 25,007
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 133,800
Total Expenditures:	\$ 158,807

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

19) M & R Springs Habitat Improvement (#31001427)

The M&R Springs project improved an existing length of stream, added wooden weirs and LWD, and excavated a large pond. The spring and the run-off are separated by road fill material. The coalition partnered with SSHEAR and M&R Timber Company, removing the roadbed material that separates the springs and creating a large spring pond. The resulting stream and pond provide valuable spawning, rearing and overwintering habitat for coho salmon.

Project Partners: WDFW, SSHEAR, M & R
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 2,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 47,400
Total Expenditures:	\$ 49,900

20) North Fork Calawah Habitat Restoration (#58200239)

The North Fork Calawah project placed logs and rootwads in a half-mile section of creek. The creek had a high gradient with exposed bedrock. The combination of these factors made passage for salmon difficult and spawning impossible. Since the initial placement of LWD spawning, the creek has incorporated gravel and formed pools, allowing passage and spawning. Several reds were spotted this year, and there has been a significant increase in usage by coho and steelhead.

Project Partners: WDFW, USFS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 6,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 7,000
Total Expenditures:	\$ 13,500

21) Pins Creek Engineering (#31001790)

The Pins Creek Engineering Project would involve finding the best location and length of bridge to span Pins Creek. Currently, the landowner fords the creek to reach a separate portion of his field. Livestock, cows, llamas, and vehicles cross the creek consistently. Once the project has been engineered, we intend to span the creek with a railcar bridge and fence the entire length of stream on the landowner's property.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 0
Volunteer Hours: 50 =	\$ 625
Other Contributions:	\$ 0
Total Expenditures:	\$ 625

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

22) Prairie Falls Creek Restoration (#31001426)

The Prairie Falls project put Prairie Falls Creek back into its historic channel after more than 60 years. In the early 1940's the Army Corp of Engineers built a road out on to the Prairie; they rerouted the stream to the most direct path to the Sol Duc River. Unfortunately, the most direct path to the River was over a 35-foot cliff. Approximately 1050 meters of pristine stream, forested wetlands and ponds, created by Beaver dams, were separated from the river. The Pacific Coast Salmon Coalition has partnered with SSHEAR, People For Salmon, the Quileute tribe, Clallam County, Richard Chesmore, the landowner, and Rayonier to see the project completed and the available habitat reconnected to the Sol Duc River. The money from PCSC was primarily used to pay the cost of the culvert pipe that will cross under the road reconnecting the creek with the river along its historic channel.

Project Partners: WDFW, SSHEAR, Quileute Tribe
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 13,940
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 120,000
Total Expenditures:	\$ 133,940

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) CBFTF Administration	\$ 16,049	3,000	\$ 37,500	\$ 24,000	\$ 77,549
2) Merryman/Carlisle Rearing Pond	\$ 0	800	\$ 10,000	\$ 0	\$ 10,000
3) Chehalis Chinook Broadstocking	\$ 68	200	\$ 2,500	\$ 0	\$ 2,568
3) Creamers Smolt Migration	\$ 4,915	200	\$ 2,500	\$ 1,000	\$ 8,415
4) Creamers Spawning	\$ 24,529	400	\$ 5,000	\$ 0	\$ 29,529
5) Kelly Cr Culvert Replacement	\$ 4,985	100	\$ 1,250	\$ 0	\$ 6,235
6) Mayre Ponds Rearing Facility	\$ 14,400	0	\$ 0	\$ 12,000	\$ 26,400
7) Project Administration	\$ 18,433	1,000	\$ 12,500	\$ 0	\$ 30,933
8) Project Support Oversight 2000	\$ 5,882	1,000	\$ 12,500	\$ 0	\$ 18,382
9) Remund Fencing	\$ 39,654	600	\$ 7,500	\$ 3,762	\$ 50,916
10) Muller/Satsop Springs	\$ 34,391	10,000	\$ 125,000	\$ 170,000	\$ 329,391
11) Thompson/Wishkah Culvert	\$ 4,599	700	\$ 8,750	\$ 3,000	\$ 16,349
12) Carlisle/Upper Chehalis	\$ 0	2,625	\$ 32,813	\$ 1,792	\$ 34,605
13) Satsop Steelhead	\$ 0	4,200	\$ 52,500	\$ 54,000	\$ 106,500
14) Grays Harbor Gineeres/Ruggles	\$ 0	1,200	\$ 15,000	\$ 700	\$ 15,700
15) Gaddis Creek	\$ 0	200	\$ 2,500	\$ 40,110	\$ 42,610
16) Singer Creek	\$ 0	300	\$ 3,750	\$ 228,431	\$ 232,181
17) Unnamed Creek	\$ 0	400	\$ 5,000	\$ 299,040	\$ 304,040
TOTALS	\$ 167,905	26,925	\$ 336,563	\$ 837,835	\$ 1,342,303

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The Chehalis Basin Fisheries Task Force is dedicated to:

- producing salmon for sport and commercial fisheries;
- enhancing Steelhead and searun Cutthroat trout resources; and
- restoring, enhancing, and protecting stream habitat critical to these anadromous species.

Overview

The Chehalis Basin Fisheries Task Force, in existence since 1980, has served as a template for the entire Regional Fisheries Enhancement Program. The Task Force receives sponsorship from the local community and from area businesses and governmental organizations, such as Weyerhaeuser Company, Port of Grays Harbor, Grays Harbor County, and Simpson Timber. We also rely upon many volunteers to carry out our mission.

The region encompasses the entire Chehalis River watershed, including most of Grays Harbor County and smaller parts of numerous other counties. Topographically, this area is less steep than most of Western Washington. The resulting low-gradient streams create uniquely adapted fish stocks.

Core staff consists of two area coordinators and a part-time administrative assistant. The area coordinators serve as liaisons between agencies, the Task Force, and landowners and project participants. Frequently, the area coordinators remain involved with projects from inception to completion.

Project Highlights

Remund Fencing Project

Challenge: We wanted to provide a buffer and keep livestock out of Lincoln Creek, a tributary of the Chehalis River. Cutthroat trout populate Lincoln Creek, and coho salmon return to spawn there every year. Searun cutthroat and steelhead utilize the creek at various life stages, and we hoped to protect their habitat.

Action: The Chehalis Basin Fisheries Task Force installed 16,000 feet of five-strand barbed wire, protecting both sides of the creek. Along the fencing, we placed 251 H-brace and bed log corner posts and built four hard rock crossings with gates. In addition, volunteers helped construct berms around the crossings to help avoid overflow during high water events.

Results: Our work helped stabilize the system on this section of Lincoln Creek and minimize silting downstream. Future projects will involve revegetation of the stream banks with native grasses, bushes, and trees.

Native Broodstocking

Challenge: Left to nature, only about 20% of eggs spawned will survive and hatch. With broodstocking assistance, up to 80% of all eggs survive.

Action: When the fall rains arrive, adult salmon and steelhead begin their migration to native rivers. Volunteers capture the returning fish and transfer them to hatchery holding ponds. The fish remain there until they spawn. The young fry hatch and briefly stay in the hatchery until large enough to release in their native rivers.

Results: This intensive volunteer effort will likely result in dramatically increased numbers of native fish returning to spawn.

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

Native Broodstocking Projects in the Chehalis Basin

- Chehalis Native Chinook Project
Capturing Chehalis wild chinook, sponsored by Elma Game Club.
- Satsop Springs Chinook
Capturing wild chinook on the East Fork Satsop River, sponsored by Elma Game Club.
- Long Live the Kings
Capturing wild chinook on the Wishkah River, sponsored by Long Live the Kings.
- Satsop Steelhead
Capturing wild steelhead on the Satsop River—administered by Elma Game Club for Trout Unlimited and many other volunteer organizations.
- Chehalis Steelhead
Capturing Chehalis wild steelhead—sponsored by Upper Chehalis Enhancement Association.

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John Penberth, At Large

Duane Byrant
Ronn Schuutie
Scott Brummer
Bob Balcombe
Pat McCrary
Steve Barnowe-Meyer
Terry Baltzell
Allan Hollingsworth
Dick Fricke
Ken Rausch

STAFF

Frank (Corky) Smith, Upper Basin Coordinator
Lonnie Crumley, Lower Basin Coordinator
Administrative Assistant

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REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) CBFTF Administration (#58200180)

Project Sponsor: WDFW, Weyerhaeuser
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 16,049
Volunteer Hours: 3,000 =	\$ 37,500
Other Contributions:	\$ 24,000
Total Expenditures:	\$ 77,549

2) Merryman/Carlisle Rearing Pond (#58200194)

Project Sponsor: WDFW
Project Status: Completed
Project Type: Production

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 800 =	\$ 10,000
Other Contributions:	\$ 0
Total Expenditures:	\$ 10,000

3) Chehalis Chinook Broodstocking (#58200192)

Project Sponsor: WDFW
Project Status: Ongoing
Project Type: Production

Fiscal Summary

RFEG Funds Spent:	\$ 68
Volunteer Hours: 200 =	\$ 2,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,568

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

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4) Creamers Spawning Channel Smolt Migration (#31010357)

This grant funded the construction of a trap box and six, ten-foot long leads to work with the trap box. We purchased steel fence posts for leads and trap box anchoring. One load of washed rock was delivered for gravel bags to support trap leads, 200 gravel bags were delivered to the site, and the trap was transported to the site.

Project Sponsor: WDFW, Muller/Satsop Springs
Project Status: Ongoing
Project Type: Monitoring

Fiscal Summary

RFEG Funds Spent:	\$ 4,915
Volunteer Hours: 200 =	\$ 2,500
Other Contributions:	\$ 1,000
Total Expenditures:	\$ 8,415

5) Creamers Off-Channel Spawning (#31001791)

We removed a sediment barrier from the lower 300 feet of the spawning channel, roughly 6,000 cubic yds of material. We made corrections to flooding side flow channels, added large rock weirs to control high flows, seeded grass and planted willows on the bank area, and removed gravel deposits blocking the channel due to 1996 flooding event.

Project Sponsor: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 24,529
Volunteer Hours: 400 =	\$ 5,000
Other Contributions:	\$ 0
Total Expenditures:	\$ 29,529

6) Kelly Creek Culvert Replacement (#31010032)

This project included removing an 18 inch, elevated, fish-blocking culvert and replacing it with a six feet diameter culvert countersunk into the streambed. We seeded grass in the construction area, planted natural vegetation, and then regravelled the area over the new culvert.

Project Sponsor: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,985
Volunteer Hours: 100 =	\$ 1,250
Other Contributions:	\$ 0
Total Expenditures:	\$ 6,235

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7) Mayre Ponds Rearing Facility O & M (#31001396)

Project Sponsor: WDFW, Port Grays Harbor
Project Status: Ongoing
Project Type: Production

Fiscal Summary

RFEG Funds Spent:	\$ 14,400
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 12,000
Total Expenditures:	\$ 26,400

8) Project Administration & Oversight (#58200187)

CBFTF completed habitat projects.

Project Sponsor: WDFW
Project Status: Ongoing
Project Type: Administration & Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 18,433
Volunteer Hours: 1000 =	\$ 12,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 30,933

9) Project Support Oversight 2000 (#31010033)

Project Sponsor: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,882
Volunteer Hours: 1000 =	\$ 12,500
Other Contributions:	\$ 0
Total Expenditures:	\$ 18,382

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10) Remund Fencing (#58200191)

This project has built over 38,000 feet of fence, planted over 4,500 trees for buffer and built 5 wet crossings. The remaining funds will go to build another 3,600 feet of fencing, plant another 360 trees, and build one more wet crossing.

Project Sponsor: WDFW, USFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 39,654
Volunteer Hours: 600 =	\$ 7,500
Other Contributions:	\$ 3,762
Total Expenditures:	\$ 50,916

11) Muller/Satsop Springs (#58200193)

The project broodstocked and spawned native chinook, chum, and steelhead adults. We reared and released 1,000,000 coho, 400,000 chinook, and 100,000 chum smolts, and we reared and released 600 trophy rainbow trout into local lakes.

Project Sponsor: WDFW, ALEA, WDFW, Local Businesses
Project Status: Ongoing
Project Type: Production

Fiscal Summary

RFEF Funds Spent:	\$ 34,391
Volunteer Hours: 10,000 =	\$ 125,000
Other Contributions:	\$ 170,000
Total Expenditures:	\$ 329,391

12) Thompson/Wishkah Culvert (#58200189)

We completed installation of six log weirs and elevated waterlevel to 1/3 the pipe diameter. Then we cut low flow notches and grass seeded the area of project.

Project Sponsor: WDFW, James Thompson
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEF Funds Spent:	\$ 4,599
Volunteer Hours: 700 =	\$ 8,750
Other Contributions:	\$ 3,000
Total Expenditures:	\$ 16,349

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

13) Carlisle/Upper Chehalis (#58200194)

Thirty-five pairs of adult native steelhead were captured and released from a conditioning pond. The funds helped operate conditioning pond for 100,000 Skookumchuck mitigation coho smolt.

Project Sponsor: WDFW, UCFEA
Project Status: Ongoing
Project Type: Production

Fiscal Summary

RFEG Funds Spent:	\$	0
Volunteer Hours: 2,625 =	\$	32,813
Other Contributions:	\$	1,792
Total Expenditures:	\$	34,605

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Satsop Steelhead

We captured 55 pairs of spawner adult native Satsop steelhead each year and transported them to WDFW's Bingham Hatchery.

Project Partners: Local Citizens, ALEA, Volunteers
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

Volunteer Hours:		4,200
Volunteer Dollars @ \$12.50/hr	\$	52,500
Other Contributions:	\$	54,000
Total Expenditures:	\$	106,500

2) Greys Harbor Gineeres/ Ruggles

We incubated and reared 100,000 coho fry, and planted them in designated streams.

Project Partners: Grays Harbor County
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

Volunteer Hours:		1,200
Volunteer Dollars @ \$12.50/hr	\$	15,000
Other Contributions:	\$	700
Total Expenditures:	\$	15,700

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

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3) Gaddis Creek

We removed an elevated undersized blocking culvert from under a county road and replaced it with a 12' 4" wide and 7' 9" high structural plate arched culvert. Then we replanted the construction site with grass and native trees--fir, alder, spruce, and cedar. In addition, we matted the tapered bank with jut netting and planted willows on the stream edge.

Project Partners: USFWS, Grays Harbor County
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	200
Volunteer Dollars @ \$12.50/hr	\$ 2,500
Other Contributions:	\$ 40,110
Total Expenditures:	\$ 42,610

4) Singer Creek

We've completed the engineering design, selected the contractor, and finished obtaining landowner agreements, permitting for HPA, shorelines, SEPA, and NMFS. We have gravel, rock sources, and staging area.

Project Partners: SRFB/ GHC, USFWS
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	300
Volunteer Dollars @ \$12.50/hr	\$ 3,750
Other Contributions:	\$ 228,431
Total Expenditures:	\$232,181

5) Unnamed Creek

Engineering is completed, the contractor has been selected, and the permitting is almost done. The project should begin July 2001.

Project Partners: SRFB, Grays Harbor County
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	400
Volunteer Dollars @ \$12.50/hr	\$ 5,000
Other Contributions:	\$ 299,040
Total Expenditures:	\$ 304,040

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Project Support: Administration	\$ 11,357	0	\$ 0	\$ 0	\$ 11,357
2) Nemah/Neselle Assessment	\$ 10,000	0	\$ 0	\$ 0	\$ 10,000
3) Elk Creek Restoration	\$ 5,287	0	\$ 0	\$ 0	\$ 5,287
4) Grant Writing/Pre-Engineering	\$ 33,334	0	\$ 0	\$ 0	\$ 33,334
5) Long Island habitat	\$ 7,503	0	\$ 0	\$ 0	\$ 7,503
6) Mill Creek Restoration	\$ 8,857	0	\$ 0	\$ 0	\$ 8,857
7) Salmon Egg Project	\$ 7,226	0	\$ 0	\$ 0	\$ 7,226
8) Trap Creek Restoration	\$ 1,198	0	\$ 0	\$ 0	\$ 1,198
9) Culvert Replacement	\$ 37,439	0	\$ 0	\$ 0	\$ 37,439
10) Pre-Engineering					
Construction/Elk Prairie	\$ 3,100	0	\$ 0	\$ 15,000	\$ 18,100
11) Weyerhauser Cr Fish Passage	\$ 9,030	312	\$ 3,900	\$ 15,000	\$ 27,930
12) Faulkner Exclusion Fencing	\$ 2,530	0	\$ 0	\$ 6,000	\$ 8,530
13) Green Cr Gravel Supplementation	\$ 3,198	242	\$ 3,025	\$ 937	\$ 7,160
14) Project Coordinator	\$ 8,000	0	\$ 0	\$ 0	\$ 8,000
15) Hills Pond Chinook Rearing	\$ 800	0	\$ 0	\$ 0	\$ 800
16) RSI Maintenance	\$ 952	72	\$ 900	\$ 0	\$ 1,852
17) McNamera Pond Chinook Rearing	\$ 800	0	\$ 0	\$ 0	\$ 800
18) Elk Prairie Creek Culvert Replacement	\$ 24,000	45	\$ 563	\$ 0	\$ 24,563
19) North River Tidelands Recovery	\$ 10,000	0	\$ 0	\$ 33,706	\$ 43,706
20) Neimzciek Rearing Pond	\$ 800	0	\$ 0	\$ 0	\$ 800
21) Administration FY 2000	\$ 16,715	0	\$ 0	\$ 0	\$ 16,715
22) Willapa Refuge Headquarters Stream	\$ 0	1,460	\$ 18,250	\$ 107,579	\$ 125,829
23) Lead Entity	\$ 0	480	\$ 6,000	\$ 102,368	\$ 108,368
24) Willapa Refuge Lewis Porter	\$ 0	2,200	\$ 27,500	\$ 288,283	\$ 315,783
25) Volunteer Coordinator	\$ 0	229	\$ 2,863	\$ 41,888	\$ 44,751
TOTALS	\$ 202,126	5,040	\$ 63,000	\$ 610,761	\$ 875,887

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MISSION STATEMENT

The mission of the Willapa Bay Fisheries Enhancement Group is to enhance and restore salmon in the Willapa Bay Watershed. This involves working with all parameters, which directly affect salmon in the Willapa Bay Watershed. Key to accomplishment of our mission is the involvement of local citizens and local landowners in the development of projects that are beneficial to salmon and cost effective.



OVERVIEW

Volunteers accomplish the majority of our work. The Board of Directors has set our goal: operating with the lowest possible administrative costs. We wish to maximize the amount spent on habitat restoration and fish enhancement projects. This strategy will move us toward our stated vision, restoring natural spawning salmon to the rivers and streams of the Willapa Bay. Covering all the streams draining into Willapa Bay, our area includes most of Pacific County and a small part of Grays Harbor County.

During this biennium, RFEG funds have supported preparation of 22 proposals. Of those, we accomplished 15. Five proposals are still pending funding and two projects in the works are managed by the Washington State Department of Fish and Wildlife. We spent \$202,000 of our RFEG funds for match for these completed projects, which in turn leveraged \$1,441,000 funds for actual projects. We have another \$1,730,174.00 funds pending award. This amounts to a leverage of 13:1. Our administrative costs are very low; all wages, supplies, and expenses, etc. are 7.3% of our total budget.

We also updated and completed our Strategic Plan during this period. We set a strategy for pursuing our "vision" of recovering natural spawning salmon to the rivers and streams of the Willapa Bay.

PROJECT HIGHLIGHTS

Habitat Restoration Program

Challenge: We aim to restore lost biological processes and functions to rivers and streams of the Willapa Bay watershed.

Actions: We focus our efforts on habitat restoration, including rearing habitat, spawning beds and the removal of blockages.

Results: We have restored 11.2 miles of spawning and rearing habitat, replaced or removed culvert blockages and opened over 635 acres of fresh water rearing habitat for coho, chinook, chum, steelhead and cutthroat trout. Salmon have been observed using the new habitat.

Fish Enhancement Program

Challenge: We wish to return to the traditional levels of salmon in streams and rivers of the Willapa Bay Watershed. We plan for a co-manager partnership and dependable, consistent egg allocations.

Action: We raised salmon in RSI's and other hatcheries programs and have sought alternative support for these programs.

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Results: During the 1999-2001 biennium we planted and released about 800,000 salmon in 16 remote sites. In this period of 2001/2002, we will release about 1,400,000 salmon in 23 remote sites.

Nutrient Enhancement Program

Challenge: We want to increase nutrient loads in the rivers and streams of the Willapa Bay watershed to restore the loss of biomass that has, in many cases, created a nutritional desert.

Action: We placed 20,000 carcasses at 35 sites in various streams and rivers in the Willapa Bay watershed where nutrient levels were known to be low.

Results: There have been greater numbers of juvenile salmonid use where nutrification was increased. The result contrasted to very low numbers prior to the carcass placements.

Education/Public Outreach Program

Challenge: We intend to educate the public about the importance of salmon in our environment and to garner support for continuing salmon restoration.

Action: We've coordinated with local schools to integrate monitoring programs within science classes. We've made presentations to and partnered with governmental agencies, private businesses, civic organizations and wildlife refuges.

Results: We have partnered with a number of community organizations: South Bend School District, City of South Bend, Pacific County, Weyerhaeuser, DNR, Bonneville Power Authority, Washington Department of Fish and Wildlife, Willapa Bay Organization, Willapa Wildlife Refuge, and many private landowners. We have assisted in the development of a revised curriculum for the South Bend School District. The new curriculum has focused on salmon as a part of their aquaculture program. We've increased our viability through legislative tours and media.



REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Project Support Administration (#31010144)

This fund was used to cover various administrative costs: postage, office supplies, salaries for administrative help, etc.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 11,357
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 11,357

2) Nemah/Naselle Assessment (#31010358)

We assessed these two major watersheds, obtaining data for possible future restoration projects.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Assessment

Fiscal Summary

RFEG Funds Spent:	\$ 10,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 10,000

3) Elk Creek Restoration (#310101148)

We restored about 2100 feet of stream for spawning and rearing.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,287
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 5,287

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Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Grant Writing and Pre-Engineering (#31001399)

Funds were used for grant writing and pre-engineering and associated costs.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 33,334
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 33,334

5) Long Island Habitat (#58200642)

Funds supported replacement of blocking culverts on Long Island.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 7,503
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 7,503

6) Mill Creek Restoration (#310101146)

This project restored a salmon stream that had been blocked for 120 years.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:\$ 8,857	
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 8,857

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7) Salmon Egg Project (#31010145)

Project Partners: WDFW
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 7,226
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 7,226

8) Trap Creek Restoration (#310101359)

The funds are helping us restore about 1.2 miles of Trap Creek for spawning.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,198
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,198

9) Culvert Replacement (#31001805)

These funds were used to install a new culvert on Bear Creek. This was a salmon blocking culvert and was listed as a high priority for replacement. The replacement will open about 2.5 miles of spawning habitat.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 37,439
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 37,439

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10) Pre-Engineering Construction: Elk Prairie (#31010031)

These funds were used for Bear Creek culvert replacement. This new culvert will open up about 2.5 miles of spawning habitat.

Project Partners: WDFW, Top Pacific
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,100
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 15,000
Total Expenditures:	\$ 18,100

11) Weyerhauser Creek Fish Passage (#58200204)

These funds were used to construct the stream bypass.

Project Partners: WDFW, Top Pacific Consulting
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 9,030
Volunteer Hours: 312 =	\$ 3,900
Other Contributions:	\$ 15,000
Total Expenditures:	\$ 27,930

12) Faulkner Exclusion Fencing (#58200206)

These funds were used for the fencing materials for the project.

Project Partners: WDFW, Pacific Conservation District
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,530
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 6,000
Total Expenditures:	\$ 8,530

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13) Green Creek Gravel Supplementation (#58200207)

Gravel was purchased and placed in the stream.

Project Partners: WDFW, Sleepy Meadow Farm
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,198
Volunteer Hours: 242 =	\$ 3,025
Other Contributions:	\$ 937
Total Expenditures:	\$ 7,160

14) Project Coordinator (#58200210)

The project coordinator managed 15 RSI sites, which released about 800,000 salmon.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 8,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 8,000

15) Hills Pond Chinook Rearing (#58200212)

Funds were spent for pond rental.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 800
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 800

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16) RSI Maintenance (#58200213)

Funds were used to purchase new and replacement equipment for servicing 15 RSI sites.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	952
Volunteer Hours: 72 =	\$	900
Other Contributions:	\$	0
Total Expenditures:	\$	1,872

17) McNamera Pond Chinook Rearing (#58200214)

We used the funds to rent the pond.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	800
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	800

18) Elk Prairie Creek Culvert Replacement (#58200643)

Controls were constructed upstream and downstream of the culvert.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$	24,000
Volunteer Hours: 45 =	\$	563
Other Contributions:	\$	0
Total Expenditures:	\$	24,563

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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19) North River Tidelands Recovery (#31001398)

These funds paid for the design for breaching the dike on North River. This will open about 35 acres for salmon rearing. The location is at a critical area in the mouth of the North River and will provide important habitat for salmon.

Project Partners: WDFW, SRFB
Project Status: Completed
Project Type: Project Development

Fiscal Summary

RFEG Funds Spent:	\$ 10,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 33,706
Total Expenditures:	\$ 43,706

20) Neimzciek Rearing Pond (#58200209)

Project Partners: WDFW
Project Status: Completed
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 800
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 800

21) Administration FY 2000 (#58200208)

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 16,715
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 16,715

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

22) Willapa Refuge Headquarters Stream

We restored 3/4 mile of the stream at the Willapa Wildlife Refuge. We also removed blocking, tidegate, and culverts.

Project Partners: SRFB, USFWS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	1460
Volunteer Dollars @ \$12.50/hr	\$ 18,250
Other Contributions:	\$ 107,579
Total Expenditures:	\$ 125,829

23) Lead Entity

The funds were used to develop the lead entity process for Pacific County, which involved instruction of the Citizen's Committee (Willapa Bay Water Resource Coordinating Council). We developed a preliminary and a final strategic plan, a TAG process document, Grounds Rules for the TAG and WBWRCC, and schedules for the SRFB proposal submittals. We also participated in the TAG and WBWRCC meetings, and we prepared and submitted Lead Entity proposals to SRFB, and attended SRFB TAG meetings and the SRFB meetings.

Project Partners: Pacific County
Project Status: Completed
Project Type: Administration

Fiscal Summary

Volunteer Hours:	480
Volunteer Dollars @ \$12.50/hr	\$ 6,000
Other Contributions:	\$ 102,368
Total Expenditures:	\$ 108,368

24) Willapa Refuge Lewis Porter

The Salmon Recovery Funding Board funded us to design two fish ladders for the Lewis and Porter projects. These two fish ladders will open about 300 acres of fresh water habitat and about 2.5 miles of streams for spawning for salmon.

Project Partners: SRFB, USFWS
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

Volunteer Hours:	2200
Volunteer Dollars @ \$12.50/hr	\$ 27,527
Other Contributions:	\$288,283
Total Expenditures:	\$315,809

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25) Volunteer Coordinator

These funds provided general coordination within Willapa Bay for various groups. We prepared 18 proposals with these funds and received funding for 16 projects. We visited schools and service groups informing them of our organization and projects.

Project Partners: Pacific Conservation District/ Conservation Commission
Project Status: Completed
Project Type: Administration

Fiscal Summary

Volunteer Hours:	229
Volunteer Dollars @ \$12.50/hr	\$ 2,863
Other Contributions:	\$ 41,888
Total Expenditures:	\$ 44,751

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

1999/2000/2001 PROJECTS :

Project	Location	Improvements
Lewis Unit, Fish Ladder (#24 Non-RFEG Willapa Refuge Lewis Porter)	Bear River, Willapa Refuge	Opens about 250 acres of fresh water rearing and about 1,25 miles of spawning habitat.
Porter Unit, Fish Ladder (#24 Non-RFEG Willapa Refuge Lewis Porter)	Bear River, Willapa Refuge	Opens about 300 acres for fresh water rearing and about 1.25 miles for spawning.
Headwaters Stream Restoration (#22 Non-RFEG Willapa Refuge Headquarters Stream)	Willapa Refuge	Removed tide-gate, removed blocking dam, restored stream. Planted Chum salmon in 1997, salmon returned this year to spawn for the first time in 61 years
Rixon Road (#22 Non-RFEG Willapa Refuge Headquarters Stream)	2.6 miles up Rixon Road, South Bend, Wa.	Replaced salmon blocking culvert, corrected a major sitation problem.
Rixon Road (#22 Non-RFEG Willapa Refuge Headquarters Stream)	3.6 miles up Rixon Road, South Bend, Wa.	Replaced a salmon blocking culvert, opened about 2.5 miles of spawning habitat.
Elk Prairie Road (#18 RFEG Elk Prairie culvert replacement)	Bear Creek	Replaced a blocking culvert, added upstream and downstream controls, and opened about 2.5 miles for spawning.
North River Estuary (#19 RFEG & Non-RFEG North River Tidelands Recovery)	Mouth of North River	Completed design for breaching the dike on the North River.
125 Acre South Bend Estuary (#23 Non-RFEG Lead Entity)	City of South Bend	Provides for education and public outreach, award pending.
South Bend Mill Pond (#6 RFEG Mill Creek Restoration)	City of South Bend	Restored a salmon stream that has been blocked for 120 years. Community project restores spawning for Chum salmon.
Elk Creek (#3 RFEG Elk Creek Restoration)	City of Raymond	Restores about 2100 feet of stream spawning and rearing.
Butte Creek (#22 Non-RFEG Willapa Refuge Headquarters Stream)	City of Raymond	Restores about 4300 feet of stream for spawning and rearing.
Green Creek (#13 RFEG Green Creek Gravel Supplementation)	Pacific County	Restored about 300 feet of stream for spawning.
Trap Creek (#8 RFEG Trap Creek Restoration)	Pacific County	Restored about 1.2 miles of this creek for spawning.
Nemah/Naselle (#2 RFEG Nemah/Naselle Assessment)	Pacific County	Assessment of these two major watersheds to obtain data to propose future restoration projects.
Anderson Creek (#22 Non-RFEG Willapa Refuge Headquarters Stream)	Pacific County	Removed a fish barrier, made a fish ladder to allow access to about 2.1 miles of spawning habitat.
Long Island (#5 RFEG Long Island Habitat)	Willapa Refuge	Supported replacement of blocking culverts on Long Island.

REGION 11 – LOWER COLUMBIA FISHERIES ENAHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Administration FY 00	\$ 6,704	300	\$ 3,750	\$ 0	\$ 10,454
2) Fencing Materials	\$ 60,000	300	\$ 3,750	\$ 13,500	\$ 77,250
3) Hardy Cr Trail Stabilization	\$ 0	0	\$ 0	\$ 26,000	\$ 26,000
4) Little Washougal Restoration	\$ 8,000	0	\$ 0	\$ 12,505	\$ 20,505
5) Monahan Cr Culvert Repair Project	\$ 10,000	30	\$ 375	\$ 67,000	\$ 77,375
6) Nutrient Replacement Premonitoring	\$ 2,644	20	\$ 250	\$ 0	\$ 2,894
7) Culvert Study Lewis County	\$ 19,973	20	\$ 250	\$ 0	\$ 20,223
8) Waterline Replacement/SF Toutle	\$ 150	5	\$ 63	\$ 0	\$ 213
9) Sea Resources Berm/Rearing	\$ 12,150	0	\$ 0	\$ 0	\$ 12,150
10) Project Support: Habitat Inventory	\$ 5,000	0	\$ 0	\$ 0	\$ 5,000
11) Culvert Replacements: Longview	\$ 5,908	20	\$ 250	\$ 228,853	\$ 235,011
12) Planting Materials	\$ 2,500	0	\$ 0	\$ 0	\$ 2,500
13) Whittle Cr Assessment	\$ 4,813	0	\$ 0	\$ 0	\$ 4,813
TOTALS	\$ 137,842	695	\$ 8,688	\$ 347,858	\$ 494,388

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION STATEMENT

The Lower Columbia Fish Enhancement Group is dedicated to restoring runs in the Lower Columbia Region through habitat restoration, education, and developing regional and local partnerships.

VISION STATEMENTS

- * We envision a cultural and natural environment that supports healthy salmon runs.
- * We envision watershed residents who are good stewards of the land and water, and, through their stewardship, enhance salmon resources throughout the region.
- * We envision strong community-based partnerships that lead to habitat restoration.

OVERVIEW

The Lower Columbia Fish Enhancement Group has functioned as a volunteer organization for 11 years. During that time, we've established partnerships with conservation districts, landowners, volunteers, and school groups.

We work with all who are interested in restoring viable fish runs to the lower Columbia River. Our projects have included—

- Giving fencing materials to small farmers for excluding livestock from waterways in Clark, Lewis, and Wahkiakum Counties.
- Providing riparian planting materials for several streams in Clark and Lewis Counties.
- Placing several log weirs and constructing a stream crossing at a site in Clark County.
- Replacing a culvert—a migration barrier—with a bridge on the Washougal River.
- Creating an off-channel rearing pond, constructing a series of pools to hold spawning gravel, and putting in a logjam—also on the Washougal River.

PROJECT HIGHLIGHTS

Longview Fibre Culvert Replacement Project

Challenge: We wanted to improve fish habitat on industrial timberland.

Action: LCFEG developed a partnership with NFWF and Longview Fibre, and we replaced two culverts.

Result: One culvert opened mile of habitat to ESA listed winter steelhead. The other culvert replacement opened 2 miles of habitat. Searun cutthroat trout and coho salmon also use this area, and they are both candidates for possible listing under ESA.

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

BOARD MEMBERS

Jim Stolarzyk, President
Richard Kennon, Vice-President
Tony Myers, Secretary/Treasurer
Ted Farnsworth
Mike Hirko

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REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Administration FY 2000 (#58200118)

Funds were used for reimbursement for bookkeeping service, insurance, postage, telephone, and travel for meetings.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 6,704
Volunteer Hours: 300 =	\$ 3,750
Other Contributions:	\$ 0
Total Expenditures:	\$ 10,454

2) Fencing Materials (#31001406)

Fencing materials provided to landowners enabled them to construct livestock fence exclusion from riparian areas around water sources that flow into area rivers and streams. Alternate watering facilities were also provided. Each landowner was to build the exclusion fence and install the tanks.

Project Partners: WDFW, Landowners
Project Status: Ongoing
Project Type: Habitat restoration

Fiscal Summary

RFEG Funds Spent:	\$ 60,000
Volunteer Hours: 300 =	\$ 3,750
Other Contributions:	\$ 13,500
Total Expenditures:	\$ 77,250

3) Hardy Creek Trail Stabilization (#58200114)

The original project stabilized a slide in the upper reaches of Hardy Creek; the slide was a source of siltation for the creek. The project included the placement of a pole crib to help contain the slide and to replant the area.

Project Partners: WDFW, Local Trusts w/ Chinook Trail Association
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 0
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 26,000
Total Expenditures:	\$ 26,000

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Little Washougal Restoration (#58200116)

The project consisted of the removal of an impassable culvert and the replacement with a small bridge. The placement of five log and two rock weirs helped create spawning areas and holding pools in the stream.

Project Partners: WDFW, Landowners
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 8,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 12,505
Total Expenditures:	\$ 20,505

5) Monahan Creek Culvert Repair Design Project (#58200117)

A consultant was hired to design a fix for the partial barrier of Monahan Creek box culverts. The BA has been submitted for approval to the federal agencies and is to be followed by construction. Construction funds approved include \$200,000 from WSDOT and \$146,000 from NFWF.

Project Partners: WDFW, People for Salmon, Cowlitz Public Works
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 10,000
Volunteer Hours: 30 =	\$ 375
Other Contributions:	\$ 67,000
Total Expenditures:	\$ 77,375

6) Nutrient Replacement Premonitoring (#31010361)

The proposed project would enable us to monitor select sites for possible placement of slow release fertilizer at one or more segments recently opened to salmonid access. The objective is to test for the level of chemicals, nitrites and nitrate, to determine if slow release fertilizers are warranted for these streams.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,644
Volunteer Hours: 20 =	\$ 250
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,894

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

7) Culvert Survey Lewis County (#31010134)

The Lewis County Conservation District surveyed private culverts in the Olequa, LaCamas, Mill, and Salmon Creek drainages for salmonid passage problems.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 19,973
Volunteer Hours: 20 =	\$ 250
Other Contributions:	\$ 0
Total Expenditures:	\$ 20,223

8) Waterline Replacement-South Fork Toutle (#31001407)

The Cowlitz Game and Anglers propose to rework an existing facility on the South Fork Toutle River by replacing the existing raceways with two rearing ponds, construct a settling pond to remove silt from the water source, construct a storage building, and install an alarm system.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Fish Production

Fiscal Summary

RFEG Funds Spent:	\$ 150
Volunteer Hours: 5 =	\$ 63
Other Contributions:	\$ 0
Total Expenditures:	\$ 213

9) Sea Resources Berm/Rearing (#58200119)

Project Partners: WDFW
Project Status: Completed
Project Type: Multiple Types

Fiscal Summary

RFEG Funds Spent:	\$ 12,150
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 12,150

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

10) Project Support: Habitat Inventory (#58200122)

Project Partners: WDFW
Project Status: Completed
Project Type: Assessment

Fiscal Summary

RFEG Funds Spent:	\$ 5,000
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 5,000

11) Culvert Replacements: Longview (#31001408)

Two culverts were replaced on industrial timber land, in conjunction with a number of partners.

Project Partners: WDFW, NFWF, Longview Fibre
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 5,908
Volunteer Hours: 20 =	\$ 250
Other Contributions:	\$ 228,853
Total Expenditures:	\$ 235,011

12) Planting Materials (#31010360)

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,500
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,500

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

13) Whittle Creek Assessment (#58200124)

The Cowlitz Game and Anglers submitted a request to the Lead Entity for the modernization of the Brownell Creek intake screen facility. This upgrade will allow upstream fish passage and downstream migration of smolt. The intake is the water source for the ponds. These funds constitute a portion of the match for the SRFB grant.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Assessment

Fiscal Summary

RFEG Funds Spent:	\$	4,813
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	4,813

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEF Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Brunson Riparian Fencing	\$ 2,772	0	\$ 0	\$ 0	\$ 2,772
2) Cowiche Canyon Conservency	\$ 991	0	\$ 0	\$ 0	\$ 991
3) Henne Acquisition	\$ 20,906	0	\$ 0	\$ 223,500	\$ 244,406
4) Lower Jewett Cr Habitat Enhancement	\$ 503	16	\$ 200	\$ 0	\$ 703
5) Rosa Cr Alcove Lease Agreement	\$ 600	0	\$ 0	\$ 0	\$ 600
6) Stovall Property Restoration	\$ 3,930	0	\$ 0	\$ 0	\$ 4,230
7) Strategic Plan	\$ 1,000	8	\$ 100	\$ 0	\$ 1,100
8) White Cr Restoration	\$ 11,717	24	\$ 300	\$ 3,000	\$ 15,017
9) Wide Hollow Cr Diversion Dam	\$ 2,647	56	\$ 700	\$ 0	\$ 3,347
10) Southworth Cr Restoration/Rev	\$ 2,499	0	\$ 0	\$ 0	\$ 2,499
11) Westman Stabilization	\$ 3,655	0	\$ 0	\$ 0	\$ 3,655
12) Salmon Cr Habitat Restoration	\$ 2,400	0	\$ 0	\$ 0	\$ 2,400
13) Plants for Stream Restoration	\$ 340	0	\$ 0	\$ 0	\$ 340
14) Dart Bank Stabilization	\$ 12,714	0	\$ 0	\$ 0	\$ 12,714
15) Habitat Project Maintenance	\$ 11,000	0	\$ 0	\$ 0	\$ 11,000
16) Koch Fish Restoration	\$ 2,949	0	\$ 0	\$ 0	\$ 2,949
17) Buckskin Slough Restoration	\$ 31,107	0	\$ 0	\$ 0	\$ 31,107
TOTALS	\$ 111,730	104	\$ 1,300	\$ 226,800	\$ 339,830

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

OVERVIEW

Formerly the Eastern Washington Fisheries Enhancement Group, this region encompassed all Eastern Washington watersheds prior to 2000. At that time, three groups split up this large area. Now the Mid Columbia Fisheries Enhancement Group works closely with the Yakima Indian Nation on riparian acquisition and restoration efforts. The new boundaries allow MCFG to focus on the Yakima partnership programs.

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Brunson Riparian Fencing (#31001401)

We built a four-strand 1,450 foot barbwire fence to keep cattle out of the Yakima River riparian zone.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,772
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,772

2) Cowiche Canyon Conservancy (#31010163)

Project Partners: WDFW
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 991
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 991

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

3) Henne Acquisition (#31001795)

The purchase of 149 acres of substantial fish and wildlife habitat along the Yakima River near Union Gap assured the permanent protection of habitat values. The area includes cottonwood forest, side channels, backwater sloughs and wetlands.

Project Partners: WDFW, BPA
Project Status: Completed
Project Type: Habitat Acquisition

Fiscal Summary

RFEG Funds Spent:	\$ 20,750
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$223,500
Total Expenditures:	\$244,250

4) Lower Jewett Creek Habitat Enhancement (#58200200)

The project included the placement of weirs and extensive planting of native plants along Jewett Creek, a tributary to the Columbia River.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 503
Volunteer Hours: 16 =	\$ 200
Other Contributions:	\$ 0
Total Expenditures:	\$ 703

5) Rosa Creek Alcove Lease Agreement (#58200324)

We are assuming payments for the Burlington Northern indefinite term lease. A salmonid rearing alcove will be constructed immediately downstream of Roza Creek.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 600
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 600

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

6) Stovall Property Restoration (#31010036)

Restoration included the placement of three rock barbs, LWD, and native plants on a highly erosive bank along Taneum Creek

Project Partners: WDFW, Landowner
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 3,930
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 300
Total Expenditures:	\$ 4,230

7) Strategic Plan (#31010445)

We developed a long-range plan for Eastern Washington RFEGs.

Project Partners: WDFW
Project Status: Completed
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 1,000
Volunteer Hours: 8 =	\$ 100
Other Contributions:	\$ 0
Total Expenditures:	\$ 1,100

8) White Creek Restoration (#31010034)

Project Partners: WDFW, Klickitat Conservation District
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 4,660
Volunteer Hours: 24 =	\$ 300
Other Contributions:	\$ 3,000
Total Expenditures:	\$ 7,960

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

9) Wide Hollow Creek Diversion Dam (#58200659)

The project eliminated two diversions on Wide Hollow Creek, allowing for salmonid fish passage, and included the planting of native vegetation.

Project Partners: WDFW
Project Status: Completed
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 2,647
Volunteer Hours: 56 =	\$ 700
Other Contributions:	\$ 0
Total Expenditures:	\$ 3,347

OTHER RFEG FUNDED PROJECTS:

Project Name	RFEG Funds
Southworth Cr Restoration/Rev	\$ 2,499
Westman Stabilization	\$ 3,655
Salmon Cr Habitat Restoration	\$ 2,400
Plants for Stream Restoration	\$ 340
Dart Bank Stabilization	\$ 12,714
Habitat Project Maintenance	\$ 11,000
Koch Fish Restoration	\$ 2,949
Buckskin Slough Restoration	\$ 31,107

REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: DECEMBER 15, 2000-JUNE 30, 2001

TSS Project	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Project Support:Administration	\$ 9,437	0	\$ 0	\$ 0	\$ 9,437
2) Volunteer Projects	\$ 0	362	\$ 4,525	\$ 0	\$ 4,525
TOTAL	\$ 9,437	362	\$ 4,525	\$ 0	\$ 13,962

REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION

The Tri-State Steelheaders Fisheries Enhancement Group, by completing habitat enhancement projects, crafting coalitions with conservation organizations, conducting educational outreach and securing volunteer assistance will perpetuate salmonid populations and create measurable increases in their habitat in southeastern Washington, northeastern Oregon, and north central Idaho.

OVERVIEW

Organized in 1965, the Tri-State Steelheaders has been actively engaged in salmonid habitat restoration and educational outreach activities for more than three decades. The organization has been a registered non-profit 501 (c) 3 corporation in Washington State since 1989. Based in Walla Walla, the group has approximately 150 individual and 60 business members. The Tri-State Steelheaders Fisheries Enhancement Group was created in December, 2000. The RFEF administrative funds we received during our first six months as a Regional Fisheries Enhancement Group have enabled us to organize and facilitate the habitat restoration and education programs listed in the section on projects. Volunteers carried out the work.

During the December 15, 2000 – June 30, 2001 time period, Tri-State Steelheaders did the following:

- Habitat restoration: 100 volunteers for 362 hours @ \$12.50 = \$4,525 value.
- Youth education: 878 youngsters participated in activities or lessons.
- Community education: 555 community members participated in educational activities.

Project partners with Tri-State Steelheaders during the December 15, 2000 – June 30, 2001 time period.

Walla Walla County Conservation District	Walla Walla High School
NRCS	Garrison Middle School
People for Salmon	Governor's SRFB
WDFW	National Fish and Wildlife Foundation
Whitman College	U.S. Forest Service
Walla Walla College	National Park Service
Walla Walla Community College	City of College Place
District 140's Opportunity Program	Walla Walla County Migrant Labor Camp

And more than sixty local businesses who've supported programs and events.

Yellowhawk Fish Counting Station photos 1 and 2:

Volunteers place the fish counting station in Yellowhawk Creek. Operating under WDFW supervision, TSS volunteers man this station from February 1 to May 1 each year. This station provides vital information regarding the upstream migration of ESA listed steelhead destined to spawn in Mill Creek. A total of 12 volunteers donated 102 hours of labor toward this project.

Mill Creek Planting photos 1 and 2:

Environmental biology students from Whitman College brave wind and rain to install aquatic plants in a constructed wetland and willows along a restored stream bank. This work was conducted on Mill Creek (Walla Walla County) on a Tri-State Steelheader project funded by a grant from the National Fish and Wildlife Foundation. A total of 36 volunteers donated 151 hours to habitat plantings on this site.

REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

BOARD OFFICERS

President: Larry Zalaznik, Vice-President, Banner Bank
Vice President: Steve Gwinn, Retired Educator
Treasurer: Mike Loney, Retired Auto Parts Retailer

BOARD MEMBERS :

Mark Jones, Optician
Fred Sporleder, Founder, Sporleder's Men's Wear
Paul Cilvik, Medical Technician
Tom Harmon, Owner, Coachman Inc.
Leonard Rizzuti, Farmer
Bob Carson, Professor, Whitman College
John Lyden, Superior Court Judge, Retired
Jerry Chavez, Retired Educator
Jim Nestler , Professor, Walla Walla College
Jon Cole, Professor, Walla Walla College
Jed Volkman, Biologist, CTUIR
Dean Bowers, Farmer
Bob Rupa, V.P. Marketing, Nelson Irrigation
Tom Turnbow, Retired, US Army Crps of Engineers
Ryan Reese, Student, Walla Walla High School

STAFF :

John Geidl, Executive Director
Steve Gwinn, Volunteer Coordinator (part time)
Cheryl Cockerline, Secretary (part time)

CONTACT INFORMATION :

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REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

Administration (#31010391)

Project Partners: WDFW
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 9,437
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 9,437

Catalogue of Projects December 15, 2000, through June 30, 2001.

- TSS assisted WDFW hatchery personnel as they planted approximately 160,000 steelhead smolts in the lower Walla Walla River. TSS members made prior arrangements with landowners for access across private property, met the transports, and guided them to the planting locations. 2 volunteers - 39 hours total
- We installed, maintained, and later removed a fish counting station on Yellowhawk Creek (Walla Walla County). The counting station was operated from February 1 through May 15. This monitoring station provides precise information on upstream migration of ESA listed steelhead destined to spawn in Mill Creek (Walla Walla County). 12 volunteers – 102 hours total
- Volunteers removed a fish passage barrier composed of household trash and automobile tires downstream from the fish counting station on Yellowhawk Creek. No steelhead had passed through the counting station prior to the barrier being removed. The first upstream bound steelhead was counted three days later. Three volunteers – 9 hours.
- At the Lower Mill Creek volunteer riparian habitat planting #1, 19 environmental biology students from Whitman College, the landowner, and 2 TSS members planted 516 native willows and cottonwoods on newly reconstructed stream bank on lower Mill Creek. Work was done on a National Fish and Wildlife Foundation funded project that installed fish friendly in-stream structures and repaired damage done to the stream bank by the 1996 flood. 78 hours total volunteer donation.
- For Lower Mill Creek volunteer riparian habitat planting #2, 17 environmental biology students from Whitman College, the landowner, and 3 TSS members planted 225 cattails, bulrushes, and sedges in a constructed wetland on the lower Mill Creek NFWF project site. 73 hours total volunteer donation.
- We assisted WDFW with April 28th statewide angler creel census. Volunteers collected information for WDFW. 4 volunteers for 16 hours total.
- TSS created and staffed an informational booth that provided photo, video, and written information regarding the historical presence of spring chinook salmon in the Walla Walla River watershed. This activity was part of a local shopping mall's Father's Day promotion. Two TSS volunteers for 11 hours total.

REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

- We provided equipment, field books and lab books for Walla Walla Community College environmental studies students to use while conducting water quality monitoring activities on local streams. Twenty-eight students participated in the monitoring activities.
- TSS coordinated WDFW's "Salmon in the Classroom" program for Walla Walla High School, Garrison Middle School, and District 140's Opportunity Program. TSS transported trout eggs from the hatchery to the designated schools, provided technical assistance to teachers, helped with emergency repairs to aquariums, and assisted teachers to complete the required record keeping. Three teachers and approximately fifteen separate classes of students participated in this activity.
- At the Whitman Mission National Historic Site maintenance project (Mill Creek in Walla Walla County), volunteers hand-weeded a restored riparian habitat site and replaced approximately 50 dead native shrubs from an earlier planting. Thirteen volunteers – 26 hours total.
- Working on the Bughi (Walla Walla River in Walla Walla County) maintenance and replanting project, volunteers replaced approximately 250 native trees and shrubs that had died following an earlier restoration effort. They also hand- weeded the site. Fifteen volunteers – 45 hours total.
- For Gardena Irrigation District project maintenance, we hand weeded a restored riparian site on Walla Walla River (Walla Walla County). Thirteen volunteers – 13 hours.
- TSS made presentations to twenty-one science classes at Walla Walla High School with total participation of 546 students. These presentations included an explanation of the life cycle of steelhead trout and spring chinook salmon in the Walla Walla River watershed and a video describing the extirpation, and later reintroduction, of spring Chinook in the Walla Walla River.
- We presented ethical angling/conservation classes to approximately 74 fifth grade students at Berney Elementary School. Students received information regarding the life cycle of steelhead trout in local streams and an explanation of angling closures on local streams to protect juvenile and smolting steelhead trout.
- Volunteers also presented ethical angling/conservation classes in Spanish language to fourteen youths and four adults at the Walla Walla County Farm Labor Camp. Instructors described the life cycle of the ESA listed steelhead trout in local streams and explained the reasons for angling closures to protect juvenile and smolting steelhead. Three volunteers for a total of eleven hours.
- We put on the group's annual "Crab Feed" celebrating the Tri-State Steelheaders' on-going steelhead and salmon restoration activities in the Walla Walla River watershed. Exactly 500 adults attended the 2001 event. Twenty-one volunteers donated 126 hours organizing and putting on the event.
- TSS operated a booth providing free hot dogs and soda to 210 youngsters participating in free fishing day event at Bennington (Walla Walla County) Lake. Eight volunteers donated 51 hours.
- TSS provided scholarships for two area high school students to attend the Inland Empire Natural Resources Youth Camp at Lake Coeur d'Alene. This week of camp provides students with hands on experience in a number of natural resource oriented activities.

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

PROJECT EXPENDITURES: JULY 1, 1999-JUNE 30, 2001

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Administration	\$ 7,077	120	\$ 1,500	\$ 1,200	\$ 9,777
2) Aeneas Creek	\$ 1,900	0	\$ 0	\$ 6,500	\$ 8,400
3) Project Support: Education	\$ 2,494	0	\$ 0	\$ 0	\$ 2,494
4) Project Support: Membership	\$ 700	0	\$ 0	\$ 0	\$ 700
5) New RFEG Start-up Funding	\$ 0	80	\$ 1,000	\$ 1,800	\$ 2,800
TOTALS	\$ 12,171	200	\$ 2,500	\$ 9,500	\$ 24,171

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

MISSION

The Upper Columbia Regional Fisheries Enhancement Group works with willing landowners to protect good habitat and to facilitate and implement fish restoration projects. UCRFEG also informs the public through education, training, and public information to improve the health of our region's environment, increase fish populations, promote a more sustainable and environmentally sound regional economy, and minimize community conflicts over natural resource management.

OVERVIEW AND PROJECT HIGHLIGHTS

The Upper Columbia Regional Fisheries Enhancement Group, one of the recently formed RFEs, is proud to work with landowners of the four north central Washington counties. The landowners initiate all restoration projects on private land. UCRFEG sponsors watershed committees and meets with groups of neighbors. These committees plan and execute many projects including clean-up, barrier removal, riparian fencing, and planting. The UCRFEG assists the local groups in obtaining funding, and coordinates volunteers and in-kind donations.

UCRFEG is also pioneering projects involving salmon restoration and economic development. One example, the Driscoll Island Restoration Project, will both enhance habitat and promote tourism. The site, located on private, state, and federal land near Oroville, covers almost 900 acres and 9 miles of river frontage at the confluence of the Okanogan and Similkameen Rivers. UCRFEG is planning the project with a broad partnership of conservation, sportsmen's and tourism groups, and local and state economic development boards.

The site will showcase various restoration techniques and will feature developed footpaths, signage, printed materials, and volunteer guides. Ongoing discussions with the Canadian Okanogan Nation may link this project with others in a driving tour.

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

1) Administration (#31010663)

UCRFEG was established; numerous projects are underway, including partnerships with many local and regional groups. A membership drive is underway, and educational efforts are being developed. The Executive Director was hired and an active board of directors recruited. Our website was developed and promoted and media coverage obtained. We are beginning a drive for outside funding.

Project Partners: WDFW, Internet West, LLC
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

RFEG Funds Spent:	\$ 7,077
Volunteer Hours: 120 =	\$ 1,500
Other Contributions:	\$ 1,200
Total Expenditures:	\$ 9,777

2) Aneas Creek (#31010664)

This project has just begun. We have completed the riparian fencing and the underwater survey. This project allows us to restore the entire length of this creek from the headwaters to the Okanogan River. The creek provides a plume of very cold water to the river in summer as well as a thermal refuge for migrating salmon and steelhead.

Project Partners: WDFW, Landowner, Terraqua, Inc.
Project Status: Ongoing
Project Type: Habitat Restoration

Fiscal Summary

RFEG Funds Spent:	\$ 1,900
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 6,500
Total Expenditures:	\$ 8,400

3) Project Support - Education (#31010665)

Although in its early stages, our education program already has reached many people through radio appearances, an informational website, and personal appearances at watershed meetings.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Education/ Outreach

Fiscal Summary

RFEG Funds Spent:	\$ 2,494
Volunteer Hours: 0 =	\$ 0
Other Contributions:	\$ 0
Total Expenditures:	\$ 2,494

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Biennium Report for July 1, 1999 - June 30, 2001

4) Project Support - Membership (#31010666)

Still in the early stages, this project so far has concentrated on establishing the UCRFEG name as a significant element in salmon recovery for the region through media appearances, newspaper articles, and personal appearances.

Project Partners: WDFW
Project Status: Ongoing
Project Type: Education

Fiscal Summary

RFEG Funds Spent:	\$	700
Volunteer Hours: 0 =	\$	0
Other Contributions:	\$	0
Total Expenditures:	\$	700

NON-RFEG FUNDED PROJECTS: FISCAL BIENNIUM JULY 1, 1999-JUNE 30, 2001

5) New RFEG Start-up Funding

The ALEA funding allowed us to establish ourselves, obtain our 501(c)(3) approval and begin building partnerships with other groups in the region.

Project Partners: Internet West, LLC
Project Status: Ongoing
Project Type: Administration

Fiscal Summary

Volunteer Hours:		80
Volunteer Dollars @ \$12.50/hr	\$	1,000
Other Contributions:	\$	1,800
Total Expenditures:	\$	2,800



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