

REGIONAL FISHERIES ENHANCEMENT PROGRAM

Annual Report for July 1, 2002 - June 30, 2003

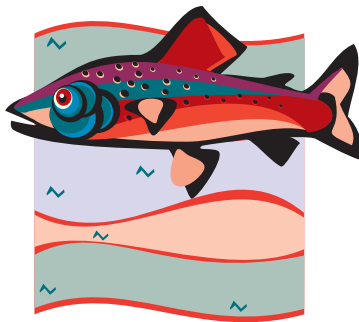




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EXECUTIVE SUMMARY

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R F E G P R O G R A M O V E R V I E W

In 1990, the Washington State Legislature created the Regional Fisheries Enhancement Group Program to involve local communities, citizen volunteers, and landowners in the state's salmon recovery efforts.

The 14 Regional Fisheries Enhancement Groups (RFEs) share the unique role of working within their own communities across the state to recover salmon. The RFEs have a common goal of restoring salmonid populations and habitat to their regions, relying on support in local communities. The RFEs create dynamic partnerships with local, state and federal agencies; Native American tribes; local businesses; community members; and landowners. Through these collaborative efforts, RFEs help lead their communities in successful restoration, education and monitoring projects.

“The Willapa Bay Fisheries Enhancement Group stream restoration (project)...provided us the perfect opportunity to demonstrate to the public the effectiveness of small scale habitat restoration efforts. The restored creek’s easy access...encouraged us to develop a first-of-its-kind interpretative trail where commissioned artwork illustrates the connectivity of salmon and human habitats. The trail has already become a destination priority for Refuge visitors.”

-Bev Arnoldy, Friends of Willapa National Wildlife Refuge

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

Each RFE works within a specific geographic region based on watershed boundaries. Every group is a separate, nonprofit organization led by their own board of directors and supported by their members.

The RFE Advisory Board, made up of citizens appointed by the Director of the Washington Department of Fish and Wildlife (WDFW), advocates for and helps coordinate the efforts of the RFE Program. Each RFE, the Advisory Board and the WDFW unit administering the RFE Program has developed a strategic plan. These Strategic Plans together have resulted in a clear, long-term direction for all partners in the RFE Program.

The RFEs form an integral part of Washington State's local salmon recovery Lead Entity processes. Lead Entities are charged with developing local strategies to recover endangered salmonid species and prioritize projects for funding by Washington's Salmon Recovery Funding Board.

F U N D I N G F O R T H E R F E G P R O G R A M

Partial funding for the RFE program comes from a portion of commercial and recreational fishing license fees, administered by the WDFW. A portion of the revenues generated by the state's sale of salmon eggs and carcasses also go toward the program. In recent years the RFE Program has also worked with U.S. Representatives and Senators to secure funding from the United States Fish and

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Wildlife Service. The RFEGs also obtain many individual grants from government and private entities to supplement declining income through the WDFW program. Individual donations and in-kind contributions from local community members and businesses are also essential to the success of each RFEG.

“Landowners have taught me that they want to do what is right for their stream. They have a vision for their property and want to be part of the solution. The goal of the Tenmile Project, with the help of the Nooksack Salmon Enhancement Association, is to help them achieve these goals. Together we will have ‘Healthy Streams: Neighbor to Neighbor’.”

—Dorie Belisle, Whatcom County Farmer

RFEG 2002-03 ACCOMPLISHMENTS AND OUTCOMES

The cumulative effect of RFEG activities around the state is impressive. During the last year, RFEGs used the \$1.1 million generated by WDFW and federal appropriations to leverage more than \$9.9 million from other sources. Volunteers donated nearly 107,000 hours to salmon enhancement efforts through the RFEG Program during this same period. These hours extrapolate to nearly \$1.5 million dollars in salmon restoration attributed to volunteers, or the equivalent to over 50 full-time, year-round employees.

Over the last year, volunteers with the RFEG program were involved with:

- Completing more than 134 projects to recover salmon populations
- Releasing 3,346,646 juvenile fish into rivers and streams
- Correcting 26 fish passage problems by removing, replacing and repairing damaged culverts
- Opening nearly 70 miles of spawning and rearing habitat for salmon
- Restoring more than 41 miles of rivers and streams including planting, fencing, rechanneling and reconstruction
- Redistributing over 99,000 salmon carcasses to rivers for nutrient enhancement

The RFEG program makes a special contribution to Washington’s salmon recovery efforts by leveraging local and private money; promoting stewardship through volunteer involvement; working cooperatively with diverse interest groups; and building on the success of its 12 year history. To read more about the specific activities of each RFEG, please refer to the Regional Fisheries Enhancement Group Program’s Annual Report for 2002-2003.

“Allowing students the opportunity to experience science in the real world has been a gift that the (Stilly Snohomish Fisheries) Task Force has given to our future citizens, leaders, and voters.”

—Steve Malmstead, Allen Creek Elementary School Teacher

REGIONAL FISHERIES ENHANCEMENT GROUP ADVISORY BOARD

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MISSION

The Board acts in an advisory capacity to the department in setting operational and financial policies to promote and support the Regional Fisheries Enhancement Group Program.

OVERVIEW

The RFEG Advisory Board is made up of eight members. The director of the Department of Fish and Wildlife appoints seven members, of which two represent commercial fishing interests, two represent recreational fishing interests, and three are at-large positions. At least two of the advisory board members are required to be members of a regional fisheries enhancement group. The two tribal fisheries commissions also may each nominate one Board member.

The Board, at its quarterly public meetings, reviews RFEG project proposals and makes recommendations to the director for funding approval. The Board operates under a committee structure with representatives from the RFEGs and board members. These committees are: 1) Administration & Finance, 2) Project Review, and 3) RFEG Representative.

BOARD MEMBERS

Diane Jones – At-Large Position, Hansville, WA

Bob Lake – Commercial Fishing Interests, Grayland, WA

Geoff Lebon – Commercial Fishing Interests, Olympia, WA

Meg Moorehead – At-Large Position, Seattle, WA

Jeanne Robinson – At-Large Position, Shelton, WA

Jason Scott – Recreational Fishing Interests, Spokane, WA

Paul Szewczykowski – Recreational Fishing Interests, Bothell, WA

Terry Wright – Northwest Indian Fisheries Commission, 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 and to recreational fishing licenses. Revenues generated by the state's sale of salmon eggs and carcasses also go to the RFEG Program.

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

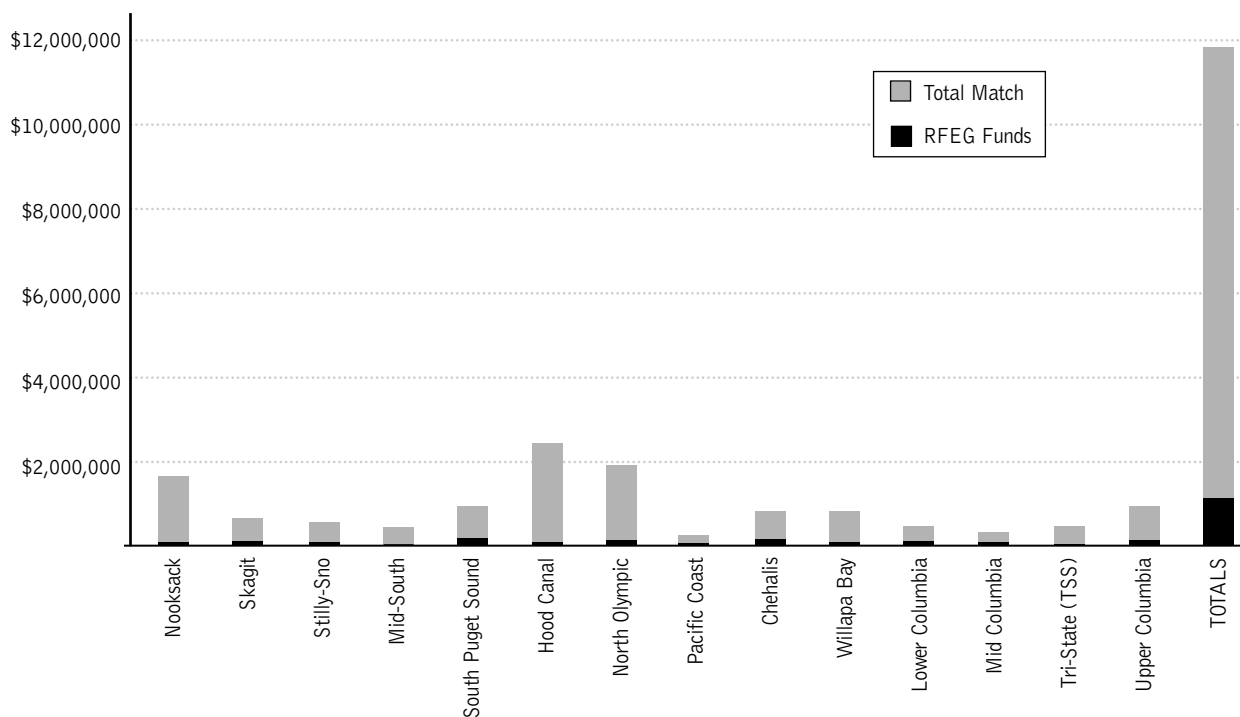
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REGIONAL FISHERIES ENHANCEMENT PROGRAM EXPENDITURES: ANNUAL REPORT FOR JULY 1, 2001-JUNE 30, 2002

GROUP	RFEG Funds	Vol Hours	Vol Dollars	*Other Funds	Total
1) Nooksack	\$ 31,831	43,470	\$ 543,375	\$ 1,024,374	\$ 1,599,580
2) Skagit	\$ 89,498	5,761	\$ 72,007	\$ 368,458	\$ 529,963
3) Stilly-Sno	\$ 75,965	11,944	\$ 149,300	\$ 229,428	\$ 454,693
4) Mid-Sound	\$ 28,385	1,367	\$ 17,081	\$ 338,284	\$ 385,117
5) South Puget Sound	\$ 166,202	1,749	\$ 35,734	\$ 546,337	\$ 748,273
6) Hood Canal	\$ 69,939	13,648	\$ 170,601	\$ 2,116,061	\$ 2,356,601
7) North Olympic	\$ 114,102	3,520	\$ 44,000	\$ 1,801,776	\$ 1,959,878
8) Pacific Coast	\$ 34,414	1,208	\$ 61,417	\$ 160,711	\$ 155,222
9) Chehalis	\$ 137,155	10,690	\$ 133,622	\$ 494,430	\$ 631,585
10) Willapa Bay	\$ 63,911	2,200	\$ 100,000	\$ 565,372	\$ 729,283
11) Lower Columbia	\$ 85,743	1,061	\$ 14,127	\$ 251,512	\$ 338,026
12) Mid-Columbia	\$ 72,136	6,013	\$ 75,163	\$ 64,200	\$ 211,498
13) Tri-State (TSS)	\$ 32,378	2,457	\$ 30,708	\$ 342,580	\$ 405,666
14) Upper Columbia	\$ 120,500	1,835	\$ 38,906	\$ 613,346	\$ 774,525
TOTAL	\$ 1,122,159	106,923	\$ 1,486,041	\$ 8,416,869	\$ 10,779,910

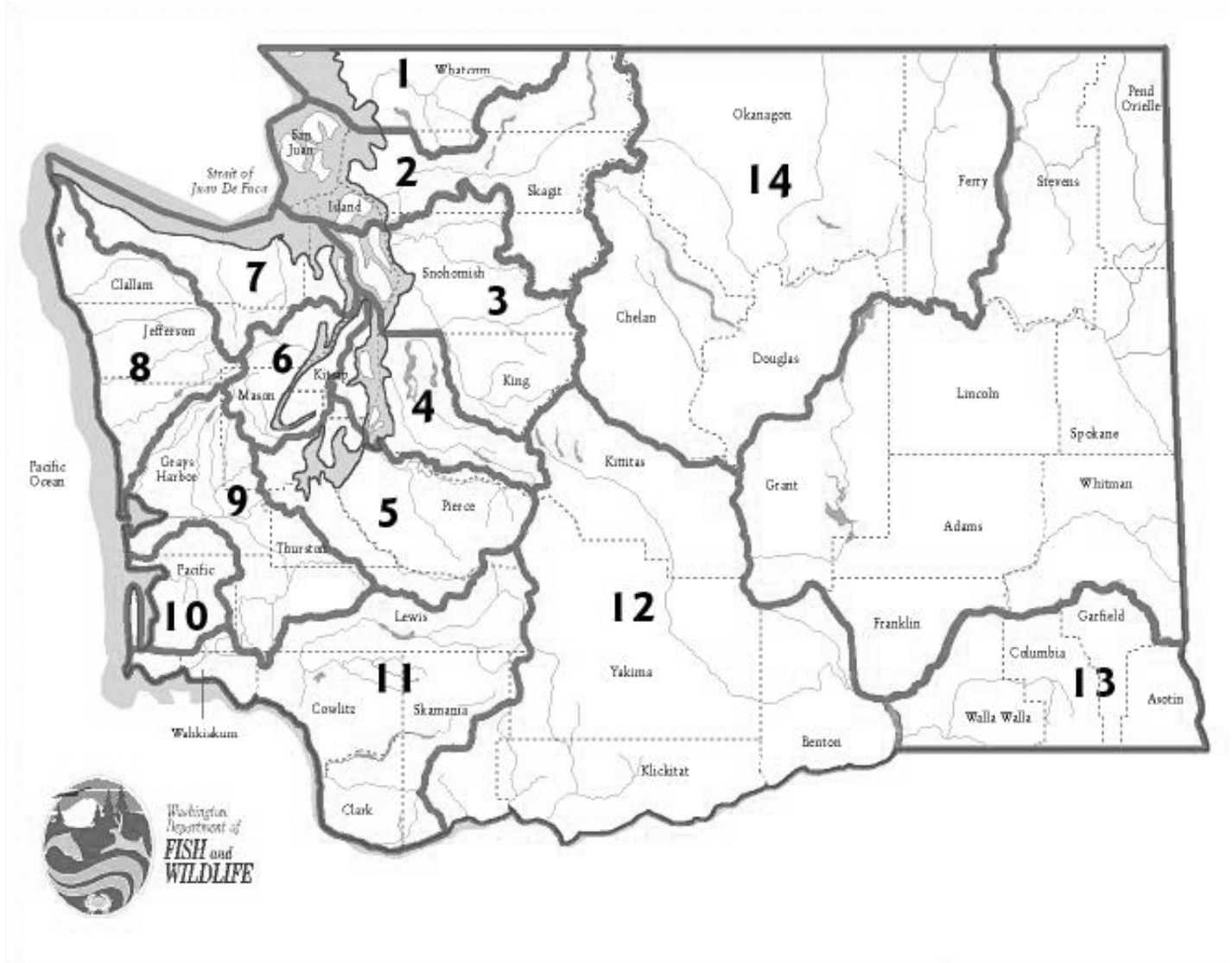
* Volunteer hours calculated at \$12.50/hr, except where professional were offered.

RATIO OF RFEG FUNDS TO TOTAL MATCH



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 WRIs 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 WRIs 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 WRIs 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 WRIs 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 WRIs 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.

REGIONAL FISHERIES ENHANCEMENT GROUP CONTACT LIST

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Skagit Fisheries Enhancement Group
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(360)336-0172 Office (360)336-0701 Fax
e-mail: sfeg@skagitfisheries.org
website: www.skagitfisheries.org

Stilly-Snohomish Fisheries Enhancement Task Force
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Mid-Sound Fisheries Enhancement Group
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website: www.midsoundfisheries.org

South Puget Sound Salmon Enhancement Group
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Olympia, WA 98516
(360)412-0808
website: www.spsseg.org

Hood Canal Salmon Enhancement Group
22871 NE State Route 3
Belfair, WA 98528
(360)275-3575 Office (360)275-0648 Fax
e-mail: hcseg@hctc.com
website: www.hcseg.com

North Olympic Salmon Coalition
Post Office Box 699
Port Townsend, Wa 98368
(360)379-8051 Office
e-mail: nosc@olympus.net
website: www.nosc.org

Pacific Coast Salmon Coalition
Post Office Box 2527
Forks, WA 98331
(360)374-8873 Office
e-mail: pacsac@olypen.com
website: www.cohosalmon.com

Chehalis Basin Fisheries Task Force
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Willapa Bay Regional Fisheries Enhancement Group
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Mid-Columbia Regional Fisheries Enhancement Group
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Tri-State Steelheaders Regional Fisheries Enhancement Group
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Walla Walla, WA 99362
(509)529-3543 Office
e-mail: tssf@charterinternet.com

Upper Columbia Regional Fisheries Enhancement Group
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RFEG OVERVIEWS AND PROJECT DESCRIPTIONS

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REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

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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.

R F E G O V E R V I E W

Nooksack Salmon Enhancement Association crews and volunteers worked on 95 project sites in the past year in WRIA 1. NSEA continued to grow its budget, numbers of crews, volunteers and capacity to accomplish significant on-the ground riparian, instream, fish passage, education and salmon recovery projects. NSEA staff coordinated 1205 community volunteers and 1200 students in schools who worked on NSEA project sites, in addition to involvement from business partners and donors who supported NSEA's mission through labor, cash, and in-kind donations.

P R O J E C T H I G H L I G H T S

Riparian revegetation projects

<i>SF Nooksack</i>	Land owners: Cavan, Fischer, Knudson, Bisset, Rhor, Martines Riparian planting: 1600 feet Livestock fencing: 600 feet Maintenance: 7000 feet
<i>NF Nooksack</i>	Landowners: Freeman, Bennett, Woodlyn Farms, Cronk, Rightmire, Grove, Zender, Whatcom County (Eagle Watch Park) Riparian planting: 4160 feet Maintenance:3000+ feet Livestock fencing: 2700 feet
<i>Bertrand Creek</i>	Landowners: Stauffer, Devries, Stauffer, Groen, Bode, Dehaan Riparian planting: 200 feet Maintenance: 5000+ feet
<i>Fishtrap Creek</i>	Landowner: City of Lynden Parks Dept. Riparian planting: 800 feet
<i>Nooksack Mainstem</i>	Landowner: Sigurdson Riparian planting: 5200 feet
<i>Scott Ditch</i>	Landowners: Elenbaas, Nolte Riparian planting: 5200 feet
<i>Silver Creek</i>	Landowners: Robbin, Greer, DeZell, Whitcomb, Jordon, Cole, Weinberg Riparian planting: 2500 feet
<i>Tenmile Creek</i>	Landowners: Crowder, Vanderploeg, Zawicki, Casort, Davies, Brar, Lancaster, Muencher, Blok, Huizenga, Sterk, Parker, Thompson, Hull, Klander, Halderman, Tenmile Elementary, Caitac USA Corp. / North Bellingham Golf Course Riparian planting: 17,250 feet Maintenance: 2,000 feet
<i>Saar Creek</i>	Landowners: Tellefson, Schulz, Vreugdenhil, Burger and Kooistra Riparian planting: 22,000
<i>Arnold's Slough</i>	Landowners: Shultz Riparian planting: 2000'

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In-stream habitat projects

North Fork Nooksack

Installed 26 LWD (Large Woody Debris) structures under guidance of USFS. A Cooperative Project with following partners: NSEA, US Forest Service, National Park Service, Lummi Natural Resources, Harkness Contracting, Dept of Ecology, WA Conservation Corps, and the WA SRFB.

Hutchinson Creek

Landowner: Fischer Project: installed one LWD structure

Bonnors Creek

Landowner: Cronk Project: 1900 feet minor rechannelization, 14 log structures

Anderson Creek

Landowner: Hirshkorn Project: Installed one LWD structure

Kendall Creek

Landowner: Rightmire Project: 600 feet rechannelization, 6 log structures

Landowner: Grove Project: 1200 feet minor rechannelization, 10 LWD structures

Tenmile Creek

Landowner-Stone: installed 15 LWD structures

Fish passage projects

Canyon Creek

Landowner : The Logs Resort Project: Modified fish barrier to improve passage

South Fork Nooksack and North Fork Nooksack

Conducted culvert surveys under the guidance of Whatcom County

Education

- 44 teachers located in 20 schools throughout Whatcom County participated in NSEA's Students for Salmon educational program. Five teacher training workshops were held, and ongoing technical support for teachers was provided throughout the year. Over 1,200 students from 44 classes participated in classroom and field activities.
- NSEA supported students at Western Washington University, Whatcom Community College, Northwest Indian College, and Bellingham Technical College with volunteer, service learning, research, and internship opportunities.



Dislocated fisherman cables instream ballasted log structures on North Fork Nooksack

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Community Outreach

- Over 55 presentations were made to Elderhostel groups, Cub Scouts, Girl Scouts, Boy Scouts, Rotary Clubs, Neighborhood Associations, and other community groups.
- NSEA staff led ten stream talks and stream walks focusing on salmon at Birch Bay State Park
- NSEA led 30 meetings with five Stream Steward groups in five watersheds, including Padden, Whatcom, Squalicum, Schell, and Terrell Creeks.
- NSEA supported conference planning, registration, displays and speakers for the Nooksack Recovery Team's Annual Salmon Summit Conference with 350 attendees in October 2002.

Fish Enhancement/Recovery: Spring Chinook Acclimation Program In spring 2003, over 400,000 spring chinook fry were released to the wild after acclimating in the upper reaches of the North Fork Nooksack River in a site at the Deadhorse Creek tributary. Down to a low of 10 natural spawners in 1990, WA Department of Fish and Wildlife estimated 3,687 Threatened North Fork Nooksack Spring Chinook returned to spawn in the wild in 2002. NSEA provided program coordination, materials, equipment, volunteer recruitment, training, and support. Mount Baker-Snoqualmie National Forest (U.S. Forest Service) provided the acclimation sites at Deadhorse and Kidney Creeks, and Excelsior campground. WDFW provided technical support at all of the acclimation sites and WDFW's Kendall Hatchery provided spring chinook fry for the program. NSEA coordinated the operation and volunteer components of the program, which resulted in 1069 hours of volunteer time spent at the acclimation sites.

Assessment, monitoring, research

- Squalicum Creek Fish Passage Study: NSEA contracted with GeoEngineers to complete a feasibility study to restore fish passage and enhance fish habitat in Squalicum Creek. The project led to five alternative designs and costs estimates.
- Riparian Restoration Methods: NSEA worked with the Whatcom County Riparian Restoration Working Group, meeting to research and produce a publication on methods of riparian restoration.
- Spawner Surveys: Conducted salmon spawner surveys on 15 selected Whatcom County streams.
- Terrell Creek: NSEA teamed up with the BP Cherry Point Refinery to complete a habitat assessment of Terrell Creek.

Padden Creek

Fairhaven Park: Fairhaven Middle School students removed invasives and added native plants.

Daylighting Projects: Jones Engineers donated engineering services for the Padden Creek Daylighting Project. Hydrology Analysis and Preliminary Design valued at \$86,100.

Fish trucking: 50+ volunteers moved 189 chum and coho above the 100+ year-old impassable barrier.

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Whatcom Creek

6 riparian restoration work parties, including site prep, maintenance and interplanting

Squalicum Creek

Cornwall Park: Fish passage project – improved fish passage.

Earth Day site: Riparian planting/ Maintenance: All 9 local Starbucks stores adopted this site and worked quarterly to plant and maintain site at Meridian + Squalicum Pkwy

Columbia Neighborhood Association Site: Riparian planting and maintenance

Other

AmeriCorps/Washington Conservation Corps: NSEA trained and supervised two Washington Conservation Corps Crews and three AmeriCorps volunteers this past year. These young adults, ages 18-25, work full-time to accomplish restoration, monitoring, education and volunteer projects.

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PROJECT EXPENDITURES: JULY 1, 2002-JUNE 30, 2003

Project Name	RFEG Funds	Vol Hours	Vol @\$12.50/hr	Other Funds	TOTAL
1) Spring Chinook Acclimation		1,069	\$ 13,363	\$ 12,493	\$ 26,925
2) Students for Salmon School Program	\$ 1,622	1,700	\$ 21,250	\$ 11,511	\$ 36,083
3) Monitoring	\$ 2,790	1,700	\$ 21,250		\$ 25,740
4) Volunteer Support	\$ 2,032	7,817	\$ 97,712	\$ 5,075	\$ 112,636
5) Birch Bay State Park Ed.				\$ 600	\$ 600
6) Bertrand Creek Assessment				\$ 5,987	\$ 5,987
7) WA Conservation Corps	\$ 4,166	18,720	\$ 234,000	\$ 59,817	\$ 316,703
8) Drainage Improvement District Riparian Projects		12,464	\$ 155,800	\$ 47,492	\$ 215,756
9) Tools and Materials	\$ 537			\$ 11,326	\$ 11,863
10) Beaver Research				\$ 591	\$ 591
11) Tenmile Riparian Restoration				\$ 97,003	\$ 97,003
12) South Fork Tribes Restoration				\$ 27,929	\$ 27,929
13) Lower Tribes Restoration				\$ 1,482	\$ 1,482
14) CREP Project				\$ 2,196	\$ 2,196
15) LWD funds				\$ 37,696	\$ 37,696
16) Administration-Dudley Foundation				\$ 8,420	\$ 8,420
17) Fish Passage Assessment				\$ 13,636	\$ 13,636
18) Forest Service Instream				\$ 10,000	\$ 10,000
19) Global Re-leaf trees				\$ 2,498	\$ 2,498
20) Jobs in the Woods- Riparian and instream				\$ 195,592	\$ 195,592
21) Squalicum Creek-NFWF/NOAA				\$ 24,739	\$ 24,739
22) Whatcom/Nooksack Restoration-NFWF				\$ 15,190	\$ 15,190
23)RFEG Support-NFWF	\$ 5,678			\$ 91,287	\$ 96,965
24) NRCS- Restoration				\$ 1,367	\$ 1,367
25) Grouse Butte Roads-Sediment				\$ 104,716	\$ 104,716
26) North Fork Ballasted Log Structure				\$ 89,841	\$ 89,841
27) Middle Fork Log Structures				\$ 14,415	\$ 14,415
28) Terrell Creek Habitat Assessment				\$ 7,631	\$ 7,631
29) Stream Stewards	\$ 15,006			\$ 5,879	\$ 20,885
30) Donations/engineering				\$ 31,865	\$ 31,865
TOTALS	\$31,831	43,470	\$ 543,375	\$ 938,274	\$ 1,556,950

REGION 1 – NOOKSACK SALMON ENHANCEMENT ASSOCIATION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

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STAFF MEMBERS

Wendy Scherrer, Executive Director
Kenneth Bronstein, Finance Manager
Darrell Gray, Project Manager
Rachel Deryckx, Program Coordinator
Shannon Moore, DID Project Manager
Washington Service Corps/AmeriCorps
Anne Brenchley, Lee Krancus, Colleen Smeade, Brad Lystra
Dislocated Natural Resource Worker Crew
Dave Barker, John Hymas, Leif Swanson, Dan Weeks

CREW INFORMATION

Washington Conservation Corps Crews
Crew Supervisors: Frank Corey and Angela Nelson
Crewmembers: Marissa Barker, Lisa Hicks, Alicia Guterrez, Seth Alexander, Alex Benskin, Andrew Steadham, Malcom Benskin, Erin Mattson, Misty Fall, Yvonne Frazier, Eric Logsdon-Hughes, Craig Wilson, Kristi Pudell, Mick Holsbeek, Nic Carter, Sharyn Wolfenbarger, Dave Timmer, Isaiah Webb

Whatcom Co. Sheriff's Dept Alternative Corrections Crews

Crew Supervisors: Gary DeBeld and Dave Charlton

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REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

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.

R F E G O V E R V I E W

The Skagit Fisheries Enhancement Group's (SFEG) region offers unique restoration opportunities that do not exist in the other more heavily urbanized Puget Sound watersheds. Our role is challenging in the statewide recovery of salmon since the Skagit watershed alone is the largest Puget Sound drainage and it supports the largest wild runs of chinook salmon, pink salmon, and bull trout in Puget Sound. This year SFEG implemented restoration projects at 16 sites as well managed 5 monitoring programs, developed 10 new projects for future years, and implemented a wide variety of educational programs. Major partnerships with the *USDA's Wetlands Reserve Program, Seattle City Light, National Fish and Wildlife Foundation, Salmon Recovery Funding Board, US Forest*



SFEG's restoration crew installing large woody debris at the East Fork Nookachamps project.

Service, City of Mount Vernon, Skagit County, and The Nature Conservancy greatly contributed to our success with these projects this past year. Many other smaller, but just as critical partnerships, with landowners, community members, businesses, tribes, foundations, state agencies and federal agencies added to our accomplishments as well. Community members contributed 5,761 hours valued at over \$72,000 to salmon enhancement this year by planting native trees, monitoring restoration sites, designing new restoration projects, counting returning salmon, distributing salmon carcasses, educating the community, and much more. Educational programs were delivered to over 1,771 students and adults to build awareness for salmon and their habitat. There were several new developments with the Skagit Fisheries Enhancement Group this year including hiring a new Restoration Crew Supervisor, expanding our Board of Directors from 8 to 12 members, receiving new foundation support and also working with a new WDFW Watershed Steward. Each of these new developments has posed a new challenge but is also helping to increase our capacity to restore habitat and educate our community into the future.

SUMMARY OF ACCOMPLISHMENTS 2002 - 2003 :

Habitat Enhancement:	Riparian plantings	10,230 feet
	Riparian maintenance	203 acres
	Instream habitat enhancement	1,200 feet
	Estuary restoration	27 acres
	Nutrient enhancement	16,024 carcasses
Community Outreach:	Community education	1,771 individuals
	Volunteer involvement	5,761 hours

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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PROJECT HIGHLIGHTS

Riparian Plantings

Native Plant Nursery: SFEG volunteers watered, weeded, maintained, transplanted and potted native plants at SFEG's nursery to produce a higher quality plant in greater quantities than what is available at local nurseries. The native plant growing operation enables SFEG to use plants at any time during the growing season rather than the limited time plants are available at nurseries. SFEG's nursery can hold roughly 4,500 plants in four raised beds. This past year over 2,400 potted plants were planted at over ten restoration sites. Over 2,700 new plants of 27 different species were brought into the nursery and potted by volunteers for future planting. A plant labeling method was instituted which allows nursery volunteers to know when the plants were potted and when they should be transplanted out to restoration sites by the color of the label. About one third of the plants are ready to be planted this fall.

East Fork Nookachamps Creek: Riparian restoration occurred at three sites associated with the East Fork of Nookachamps Creek all on Wetlands Reserve Program conservation easements. Work on two easements restored 3,840 feet of the East Fork by planting thousands of native plants. An additional one half mile of Turner Creek, a tributary to East Fork Nookachamps was also restored through establishment of native riparian plants. These sites are all privately owned with permanent conservation easements on them to maintain their wetland habitat values. SFEG has entered in a contract with the USDA's Wetland Reserve Program and will continue to maintain these riparian plantings to ensure their survival.

French Creek: Approximately 1,500 feet of French Creek was restored by planting native vegetation on 75 acres. The restoration occurred on two properties with permanent conservation easements through the Wetland Reserve Program. SFEG has entered in a contract with the USDA's Wetland Reserve Program and will continue to maintain these riparian plantings to ensure their survival.

SFEG's restoration crew and volunteers completed a variety of other smaller riparian restoration projects throughout the Skagit and Samish watersheds this past year. Nine volunteer work parties were held at 6 different sites that involved over 120 people. The restoration crew also worked at several sites in conjunction with the City of Mount Vernon's restoration efforts. A large amount of time and energy was devoted to establishing native plants at sites where planting had occurred. This maintenance work is absolutely essential at many of the sites where we work. Native plants need to be protected and invasive species need to be controlled in order to ensure riparian restoration efforts succeed. This year we performed maintenance work at over 203 acres including mowing, weedwacking, spraying herbicide and protecting trees with tree wraps.



Erin Mader, Washington Conservation Corps member, helps students plant trees along a local creek.

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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In-stream Habitat Projects:

East Fork Nookachamps Creek: This project illustrates a unique SFEG partnership with local landowners and federal agencies. The USDA's Wetlands Reserve Program worked with a local dairy farmer to secure a permanent conservation easement on 33 acres of wetland property on either side of the East Fork of Nookachamps Creek. The protected stream reach is an important migration route for many salmonid species including chinook, chum, coho, cutthroat and steelhead. SFEG worked with the Wetlands Reserve Program to design a restoration project that would re-establish floodplain processes and maximize rearing habitat for juvenile salmon. Historic photos indicate that the stream reach was channelized and riparian vegetation removed about 50 years ago significantly reducing the length of the channel and decreasing habitat complexity necessary for salmon survival. A SRFB grant funded the 1,200 foot stream channel enhancement through the installation of six large woody debris structures and removal of wetland fill in order to promote natural channel meandering, develop pool-riffle habitat, and enhance large woody debris recruitment. Over 2,500 native trees and shrubs were planted by volunteers and paid restoration staff this past year. These riparian restoration efforts will continue in the coming year with maintenance work to ensure high survival of newly planted vegetation. SFEG will be monitoring the site for changes in the channel structure, vegetation survival and fish use.

Estuary Projects:

Spartina Removal: SFEG worked with the Skagit County Noxious Weed Control Board to treat *Spartina* in Skagit Bay through chemical and mechanical means. Approximately 45 acres was treated reducing the amount of *Spartina* to approximately 23 acres this past year. However we will not know for sure until monitoring occurs next spring. The *Spartina* removal effort has been quite effective in Skagit County. Since 1994, hundreds of acres of *Spartina* have been successfully eradicated throughout Skagit County's tidal waters. Partnering with local organizations and tribes to host an annual volunteer dig day has helped increase community awareness for this invasive weed.

Deepwater Slough: The Deepwater Slough Project is a 204 acre estuary restoration project implemented in 1999 located on WDFW land at the mouth of the South Fork of the Skagit River. The project removed dikes to restore river and tidal influence to the project area creating critical juvenile habitat for threatened Puget Sound chinook salmon. SFEG's role in this project is to treat invasive vegetation species and while also planting native species. SFEG's restoration crew removed blackberries, scotch broom, Japanese knotweed from upland dike areas. Reed canary grass was removed from marsh areas and replanted with the native estuary shrub sweetgale. Total area treated was approximately 15 acres.

McElroy Slough: SFEG has been working with the community to restore saltwater functions to this Samish Bay slough through the installation of a self-regulating tide gate since 1997. Although SRFB has funded the project, a final design has been completed and all permits have been secured, construction plans were put on hold in 2002 by Skagit County while they undergo additional studies. SFEG continued to conduct pre-project monitoring by tracking salinity content and elevation of the surrounding groundwater.

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

EDUCATION AND COMMUNITY OUTREACH

Stormwater Education: A contract with the City of Mount Vernon funded SFEG to teach students about the connection between stormwater and salmon habitat. The program consists of classroom visits as well as service learning projects. Students installed Grate Mate filters in stormdrains to help stop pollutants from entering our salmon streams. Over 150 students were involved in stenciling over 50 stormdrains with the message "Dump no waste, Drains to streams" to help teach their community about pollution.



Local students use stencils to paint the message "Dump No Waste, Drains to Stream" adjacent to stormdrains to educate the community and improve water quality.

Lead Entities: The primary Lead Entity for our region is the Skagit Watershed Council. The Council developed a list of 18 prioritized projects to submit to the Salmon Recovery Funding (SRF) Board in 2002. SFEG played a significant role in the development of this project list as a project sponsor, project reviewer and project prioritizer. The top 6 projects were funded for a total of nearly \$2.1 million. SFEG also is playing a major role on the newly developed monitoring committee as the Council strives to develop implementation and effectiveness monitoring protocols for salmon enhancement projects in our region. SFEG has been networking with the Island County Lead Entity, as well as the San Juan Islands Lead Entity to learn more about the salmon habitat issues facing these communities and to determine how better to assist individuals in these island communities. We attended several educational events and fairs in the islands this past year and also developed a new Salmon Trunk specifically for the San Juan Islands.

Other education projects included working with the North Cascades Institute to implement the Skagit Watershed Education Project (SWEP). This project educates local fourth grade students about salmon ecology and restoration. Participation in the US Forest Service's Skagit River Stewards program trained adult volunteers to collect macroinvertebrates in streams. SFEG continued to make excellent use of the resources included in the "Wild Salmon Education Trunk" created by WDFW. SFEG received ALEA funds to duplicate popular materials and activities for better distribution. SFEG gave numerous other presentations to community groups, as well as assisting with National Water Quality Monitoring Day, San Juan Watershed Masters, Skagit Earth Day events.

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

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NUTRIENT ENHANCEMENT:

Nutrient Enhancement: Since 1997, SFEG volunteers have worked in partnership with the Wildcat Steelhead Club to add nutrients to the Skagit watershed by distributing carcasses from WDFW's Marblemount Hatchery. During 2002 volunteers placed 16,024 carcasses into tributaries of the Cascade River. Carcasses are essential to returning marine derived nutrients to the food web for wild salmonid fry and many other flora and fauna species. As fewer salmon return naturally to spawn, it has become essential to find other ways of introducing these essential marine derived nutrients to the ecosystem. To date volunteers in the Skagit watershed have distributed over 46,000 carcasses.

ASSESSMENT, MONITORING, RESEARCH

Monitoring: Volunteers assisted SFEG's monitoring coordinator at over 30 project sites to perform spawner surveys, monitor vegetation, conduct instream habitat monitoring, collect macroinvertebrates and take photos at reference points. Well over 50 volunteers were trained at workshops to utilize protocols for the five different monitoring programs. SFEG has been consistently impressed with the data collected by these volunteers and their dedication. Volunteers returning to SFEG year after year are a good indicator that they have had a positive and worthwhile experience. Returning volunteers are even more valuable to SFEG as they are more experienced and can help train new volunteers. Data collected is entered into databases and shared with other agencies and organizations. A report was compiled containing an analysis of the last year's data collected at restoration sites. SFEG is actively participating with the Monitoring Committee for the Skagit Watershed Council to share monitoring protocols as we try to establish a standardized method for collecting salmon restoration project data within our region.

Project Design and Development: Final designs and permitting were completed for four projects. Three are for fish passage projects (Shoeshell Drive Culvert, Marblegate Slough Bridge, and Lake Creek) and the fourth is for installing large log jams on Finney Creek. SFEG hopes to implement all four of these projects in the coming year. Many new funding requests were made. Some new projects were developed through new partnerships with Seattle City Light (for Anderson Creek) and Whatcom Land Trust (for Ennis Creek). As more detailed information is required up front to put together funding requests, these partnerships become more and more critical to our success.

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES: JULY 1, 2002 - JUNE 30, 2003

Project Name	RFEF Funds	Vol Hours	Vol Dollars	In Kind Match	Cash Match	Total Cost
1) Administration (NFWF, SRFB, Skagit County)	\$36,274	1022.25	\$12,778	\$10,880	\$21,172	\$81,105
2) Nutrient Enhancement (Wildcat Steelhead Club)	\$116	55	\$688	\$207		\$1,011
3) Education (NFWF, SRFB, Skagit Co)	\$11,251	338.25	\$4,228	\$50	\$26,248	\$41,777
4) Monitoring (NFWF, SRFB, Skagit Co)	\$10,340	1283.25	\$16,041		\$16,524	\$42,905
5) Native Plant Nursery (5 Star)	\$2,975	560	\$7,000	\$3,798	\$1,312	\$15,085
6) Project Management (NFWF, SRFB, Skagit Co)	\$13,199	126.5	\$1,581	\$3,600	\$20,143	\$38,524
7) Riparian Planting (SSC, CREP)	\$731	486.3	\$6,079	\$56	\$9,905	\$16,771
8) Skagit Watershed Council	\$2,000	139.5	\$1,744			\$3,744
9) Stream Signs	\$337					\$337
10) West Sound Creek (FishAmerica)	\$12	52	\$650			\$662
11) WCC Match/Americorps (DOE)	\$8,865					\$8,865
12) Watershed Restoration	\$3,398					\$3,398
13) Salmon Trunk Education (WDFW-ALEA)					\$727	\$727
14) Deepwater Slough (SRFB, SSC)		7	\$88	\$1,850	\$8,873	\$10,810
15) East Fork Nookachamps Restoration (SRFB, WRP)		190	\$2,375	\$10,262	\$60,380	\$73,017
16) Finney Creek Restoration (SRFB, USFS)		28.5	\$356		\$12,828	\$13,184
17) Lorenzan Creek Fish Passage (SRFB, NFWF)		7.5	\$94		\$1,883	\$1,977
18) Marblegate Slough (SRFB, NFWF)		8	\$100		\$9,186	\$9,286
19) McElroy Slough Estuary Restoration (SRFB, USFWS)		47.5	\$594		\$6,792	\$7,386
20) Samish Riparian Restoration (SRFB, WRP)		34.5	\$431		\$9,201	\$9,632
21) Shoeshell Fish Passage (NFWF, SRFB)		23	\$288		\$6,713	\$7,001
22) Spartina Removal (SRFB, Skagit Co, P4PS)		48	\$600	\$12,009	\$12,950	\$25,559
23) Lake Creek Fish Passage (SRFB)					\$1,412	\$1,412
24) Boyd Pond Fish Passage (SRFB)					\$773	\$773
25) Day Creek Feasibility Study (SRFB, USFS)				\$351	\$351	
26) Lucas Slough/Harrison Slough (TNC, CREP, WDFW)					\$14,409	\$14,409
27) Skagit River Stewards (The Mountaineers Fnd)		292.5	\$3,656		\$3,000	\$6,656
28) Aldon Creek (Trout & Salmon Foundation)		81.5	\$1,019		\$5,000	\$6,019
29) Stormwater Education (City of Mt Vernon)		543	\$6,788		\$11,320	\$18,108
30) Wester Riparian (WRP, Ducks Unlimited)				\$931	\$17,418	\$18,349
31) Turner Creek (Ducks Unlimited, WRP)				\$1,772	\$1,772	
32) Willoughby (WRP)				\$1,722	\$11,152	\$12,874
33) Remlinger (WRP, Ducks Unlimited)				\$11,103	\$11,103	
34) Manger (WRP, Ducks Unlimited)				\$11,712	\$11,712	
35) CREP projects				\$8,835	\$8,835	
36) Baker River Project (US Army Corps)		386.5	\$4,831		\$4,831	
TOTALS	\$89,498	5,761	\$72,007	\$45,364	\$323,094	\$529,963

REGION 2 – SKAGIT FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

BOARD OF DIRECTORS

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Tim Hyatt, Nooksack Tribe - Fisheries Biologist
Stephen Hopley, Retired Commercial Fisher

STAFF MEMBERS :

Alison Studley, Executive Director
Lucy Applegate, Outreach Coordinator
Perry Welch, Project Manager
Kevik Rensink, Monitoring Coordinator

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Dwayne Massey, Restoration Technician
Geoffrey Martin, Restoration Technician
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REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

Our mission is to ensure the future of salmon in the Stillaguamish and Snohomish Rivers and Island County watersheds. To achieve our mission, we pursue the following goals:

- 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.
- Increase the capacity for change by partnering with other groups and agencies.

INTRODUCTION TO THE SSFETF AND A SUMMARY OF OUR HISTORY:

The Stilly-Snohomish Fisheries Enhancement Task Force (SSFETF) is a 501(c)(3) public non-profit corporation, one of 14 Regional Fisheries Enhancement Groups in the state, established under the Washington Department of Fish and Wildlife. Our membership represents commercial, tribal, and recreational fishing interests, conservation organizations, the agricultural community, and area businesses. The SSFETF is dedicated to the restoration of viable salmon populations and their habitat in the Stillaguamish and Snohomish watersheds, a combined land area of more than 2,400 square miles. This region also includes the nearshore habitat and other watersheds located south of Penn Cove on Whidbey Island, including Camano Island, and the mainland south to the Edmonds ferry dock.

Since its start in 1990, the SSFETF has directed its resources and energy to the challenge of developing community partnerships and strategies to improve and restore the recreational and commercial fisheries of the Pacific Northwest. We frequently collaborate with federal, state, tribal and local agencies, businesses, community organizations, and individuals to achieve our goals. We regard local community involvement as essential to our success.

The SSFETF is a hands-on membership organization with hundreds of volunteers supporting our three full-time staff members. Our programs and projects focus on salmon habitat improvement and protection, public outreach, and education. Since its inception, the SSFETF has planned, designed, and implemented hundreds of enhancement and restoration projects. In addition, we have collaborated with other organizations and alliances on many more. These projects include in-stream work, riparian and wetland restoration, culvert and weir placement, and improvements to agricultural lands and their management.



Student and parent volunteers from Monte Cristo Elementary brave a cold January day to work toward volunteer stipend funding from the Task Force.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT HIGHLIGHTS:

Numbers of sites worked – 31
Feet of stream restored – 11,250
Number of trees, shrubs and livestock plants – 13,843
Acres of island forest planted – 3 acres
Number of fish produced – 67,000 coho
Number of plants salvaged for future restoration activity – 6,738
Number of volunteer hours donated – 11,887
Dollar value of volunteer hours at \$12.50 per hour – \$149,300



The Task Force's first annual Make A Difference Day planting at Buck Island in Monroe had Boy Scouts smiling.

RIPARIAN PLANTINGS

Buck Island Floodplain Forest Restoration – Skykomish River and Woods Creek, Monroe – This 90 acre park in the floodplain of the Skykomish River and Woods Creek has extensive noxious weed problems (Japanese knotweed and Himalayan blackberry, among others), and lacks forest canopy diversity. The SSFETF, working with the City of Monroe, and funded by a FishAmerica Foundation/NOAA Restoration Center grant, endeavored to control the spread of knotweed and blackberry by mechanical suppression, cutting knotweed and blackberry, covering it with cardboard, burlap and mulch, livestocking the affected areas, and planting fast growing deciduous trees and shrubs. Over 1,500 conifers were also planted in the understory by flyfishing groups and Sky Valley Home School students to increase canopy diversity.

Portage Creek Stewardship Program, Portage Creek, Arlington – Over the last several years, the SSFETF has worked with the City of Arlington and the Stillaguamish Tribe on several properties along Portage Creek, and two of its tributaries, Prairie and Krueger Creeks. The SSFETF, City, and Tribe cooperatively presented a speaker series for watershed citizens and other interested parties to learn about Portage Creek. Topics included native plants and their uses, water quality, salmon and wildlife habitat needs, and restoration efforts in the Portage Creek basin. Citizens attending the series praised it highly, saying they were encouraged to see what was being done to save such a valuable resource. Presentations were coupled with on-the-ground activities, including native plant salvages and plantings.

Quilceda/Allen Citizen Action Grant, Quilceda and Allen Creeks and Tributaries, Marysville – In cooperation with Snohomish County Surface Water Management (SWM) and the City of Marysville, the SSFETF provided riparian habitat restoration activities for Water Weeks, supported Salmon and Plants for Kids, and private landowners. The Water Weeks project addressed control of a large patch of knotweed in Marysville. The City, the SSFETF, and its volunteers cleared the land, planted trees and shrubs, laid down cardboard and coffee bags, livestocked the site every 2 feet, and placed 8 inches of mulch over the entire site. Four classes of 8th graders (110 students) planted 365 trees for the Salmon and Plants for Kids planting project, sponsored by SWM and supported by the SSFETF, at the Smokey Point Naval Complex. The private landowners received guidance for planting trees and livestocked.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

FISH PASSAGE PROJECTS

Hecla Wetland on Portage Creek, Arlington – Nearly 8 acres of wetland, this site was 50% covered by Himalayan blackberry, and the creek suffered from a fish passage barrier. The Stillaguamish Tribe eliminated the fish blockage by rerouting 450 feet of stream to its original channel. Approximately 40 pieces of large woody debris were placed to increase habitat complexity. The SSFETF revegetated the banks after the stream was moved, and is performing long-term vegetation monitoring at the site. The SSFETF is working with the City of Arlington, Washington Department of Corrections, and the Tribe on this project.

EDUCATION

Hands-on activities – The SSFETF envisions being the go-to organization for teachers in the Stillaguamish and Snohomish watersheds for hands-on, one-time projects for local students. We worked cooperatively and in support of SWM, People for Puget Sound, and Stewardship Partners in these endeavors. The SSFETF also incorporated classroom visits to supplement field activities. SSFETF staff worked with 335 students.

Year long school projects – The SSFETF continued its year long salmon habitat restoration curriculum. For the 2002-03 school year, the SSFETF worked with two classrooms: Pioneer Elementary School 6th grade classroom restoring 200 feet of Krueger Creek in Arlington, and Allen Creek Elementary School 5th grade classroom restoring 150 feet of Jones Creek in Marysville. The SSFETF also worked with the Stilly Valley ELP students every other week. ELP students assisted with site set up, plantings, maintenance, livestock cuttings, mulching, and other activities. The SSFETF worked with a total of 80 students, teachers and parents.

COMMUNITY OUTREACH

Partnering with community groups and agencies – This year the SSFETF worked with several community groups that formed an incredible core of volunteers for our program that included: Washington State Department of Corrections, Washington Native Plant Stewards, Snohomish County Watershed Keepers, YMCA teen groups, Boy Scouts and Girl Scouts, Stillaguamish Valley School Experiential Learning Program, Sky Valley Education Center, Boeing Employees, Evergreen Flyfishers, and Northwest Women Flyfishers. The SSFETF cooperated with a number of other organizations and agencies, including Washington Department of Fish and Wildlife, Snohomish County SWM, Snohomish Conservation District, Adopt-A-Stream Foundation, King County Department of Natural Resources, and Island County Public Works. This collaboration allowed the SSFETF to leverage state and federal salmon recovery funds.

Presentations – The SSFETF attended career fairs at schools, local community fairs, and provided watershed education presentations to boy scouts, girl scouts, YMCA teens, rotary clubs, neighborhood groups, and flyfishing clubs. This outreach provided avenues to connect with local citizens for volunteer opportunities for SSFETF events and activities, landowner contacts for potential habitat restoration projects, and offered opportunities to educate the public about salmon and watersheds.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

Fish Enhancement – The SSFETF supported two Puget Sound Anglers Chapters in net pen and pond-rearing activities, releasing 67,000 coho for sports fishing opportunities in Puget Sound. A net pen is located on the Everett marina waterfront, and a rearing pond is situated on Whidbey Island at the Possession Point Bait Company. The Possession Point operation provides opportunities for island and mainland community members to fish from the beach. In September 2002, we held our first annual Volunteer Appreciation Day, supported by the Puget Sound Anglers Whidbey Island Chapter club members. The SSFETF volunteers were provided with fishing poles, live bait, and a beach potluck, as a “Thank you” for all their hard work.

Assessment, Monitoring, Research – The SSFETF continues to review, improve and expand its implementation of monitoring protocols. We have several projects in varying degrees of monitoring, and are expanding the monitoring program direction with dedicated monitoring volunteers. We will be adding macroinvertebrate sampling to analyze the value of nutrient enhancement projects, as well as performing stream assessments for large woody debris placements, fish counts, and invasive plant surveys. The SSFETF is teaming up with eight other agencies and organizations to survey and control Japanese knotweed and its close relatives, giant and Himalayan knotweed, in the Stillaguamish watershed.

Nutrient Enhancement – The SSFETF is cooperatively working with the Stillaguamish Tribe and the Evergreen Flyfishers Club to distribute carcasses in several streams in the North Fork Stillaguamish River. This past year, 100 carcasses were distributed. We plan to distribute up to 600 chum salmon in the fall of 2003. The fish are provided by the Tribal hatchery.



Earth Day 2003 - Task Force Board Member ryan Hembree places cardboard around plants for blackberry suppression.



Task Force Americorps intern, April McMurry, scoops mulch for placement on cardboard for weed suppression and moisture retention.

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES: JULY 1, 2002 - JUNE 30, 2003

Project Title	RFEF Funds	# of Vol	Vol Hours	Value of Vol Time	Other Funds	Total Spent
1) Volunteer Coordinator	\$ 11,570.31	27	49.50	\$ 618.75	\$ 17,453.56	\$ 29,642.62
2) Possession Coho Rearing Pond	\$ 1,280.84	5	215.00	\$ 2,687.50	\$ 42,698.00	\$ 46,666.34
3) Volunteer Stipend Project	\$ 1,125.02	170	569.00	\$ 7,112.50	\$ 0.00	\$ 8,237.52
4) Alberg Farm Habitat Restoration	\$ 1,946.29	33	84.50	\$ 1,056.25	\$ 8,585.00	\$ 11,587.54
5) Buck Island Floodplain Forest	\$ 10,880.46	273	1,019.00	\$ 12,737.50	\$ 12,481.05	\$ 36,099.01
6) Portage Creek Stewardship	\$ 6,504.16	588	3,072.50	\$ 38,406.25	\$ 16,038.00	\$ 60,948.41
7) Prairie Creek LWD & Revegetation	\$ 1,142.84	131	1,021.00	\$ 12,762.50	\$ 1,238.00	\$ 15,143.34
8) Maxwelton Creek Revegetation	\$ 39.29	3	128.00	\$ 1,600.00	\$ 1,682.00	\$ 3,321.29
9) Quilceda-Allen Project Support	\$ 666.97	608	1,666.50	\$ 20,831.25	\$ 14,857.98	\$ 36,356.20
10) Project Support - Equipment	\$ 984.03	0	0.00	\$ 0.00	\$ 0.00	\$ 984.03
11) Project Support - Infrastructure	\$ 8,887.00	45	147.50	\$ 1,843.75	\$ 3,201.00	\$ 13,931.75
12) Native Plant Nursery	\$ 1,136.64	22	101.00	\$ 1,262.50	\$ 11,225.62	\$ 13,624.76
13) Hecla Wetland Habitat Restoration	\$ 1,146.02	155	997.00	\$ 12,462.50	\$ 13,979.00	\$ 27,587.52
14) Everett Net Pen Rearing	\$ 148.52	94	576.00	\$ 7,200.00	\$ 28,682.00	\$ 36,030.52
17) NF Stillaguamish Log Jam Monitoring	\$ 0.00	0	0.00	\$ 0.00	\$ 0.00	\$ 0.00
18) Project Manager	\$ 12,288.42	13	51.50	\$ 643.75	\$ 9,955.32	\$ 22,887.49
19) Snohomish/Island County Streams	\$ 285.59	29	88.00	\$ 1,100.00	\$ 462.70	\$ 1,848.29
21) Stevens-Howell Wetlands Restoration	\$ 269.44	53	386.50	\$ 4,831.25	\$ 1,613.00	\$ 6,713.69
23) Stillaguamish Streams Habitat	\$ 675.86	208	892.50	\$ 11,156.25	\$ 1,767.81	\$ 13,599.92
24) Kristofferson Crk/Triangle Cove Rest	\$ 39.29	0	0.00	\$ 0.00	\$ 900.00	\$ 939.29
25) Krueger Creek Restoration	\$ 2,105.47	190	759.00	\$ 9,487.50	\$ 2,043.00	\$ 13,635.97
26) O'Hanley Small Habitat Restoration	\$ 11,694.40	26	108.00	\$ 1,350.00	\$ 19,268.00	\$ 32,312.40
27) WCC Restoration Crew	\$ 1,148.56	0	0.00	\$ 0.00	\$ 0.00	\$ 1,148.56
28) Maxwelton Creek Culvert Replacement	\$ 0.00	0	0.00	\$ 0.00	\$ 0.00	\$ 0.00
Executive Director				\$ 0.00	\$ 20,847.36	\$ 20,847.36
Nutrient Enhancement		4	12	\$ 150.00	\$ 450	\$ 600.00
TOTALS	\$ 75,965.42	2,677	11,944.00	\$ 149,300.00	\$ 229,428.40	\$ 454,693.82

REGION 3 – STILLY-SNOHOMISH FISHERIES ENHANCEMENT TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

DIRECTORS

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Kip Killebrew, Vice President, *Stillaguamish Tribe of Indians*

Dave Ward, Treasurer, *Snohomish County Surface Water Management: Pilchuck Audubon Society*

Ryan Hembree, Secretary, *Snohomish County PDS, YMCA of Snohomish County*

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REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

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.

HISTORY AND BACKGROUND

Mid-Puget Sound Fisheries Enhancement Group (Mid-Sound), founded in 1991 as a 501 (c)(3) tax-exempt non-profit organization, includes volunteer members representing businesses, state and local governmental agencies, tribal interests and environmental organizations.

Mid-Sound directly supports the enhancement of salmonid populations and habitats throughout our region. This geographic region includes the Lake Washington basin (WRIA 8), Green/Duwamish River basin (WRIA 9), streams draining along the King County shoreline and west sound streams flowing into the Sound from Foulweather Bluff, south to the Kitsap-Pierce County line (WRIA 15). A reorganization of the RFEG Boundaries has recently given a portion of Hood Canal to Mid-Sound. This area covers the Eastern shore of Hood Canal, south to the bridge.

Since 1991 Mid-Sound has completed more than 250 projects, including streambank fencing, native tree and shrub plantings, fish blockage removals and installing remote site incubators as well as monitoring, educational projects and trainings. Each of these projects have served as a catalyst to building community partnerships in the Puget Sound. Together, these partnerships contribute invaluable time and resources for the recovery of salmon in the Pacific Northwest. Community-based salmon restoration develops educational opportunities for volunteers to learn and understand the interwoven complexities of our changing environment.

EXECUTIVE SUMMARY

We were very busy on the ground during 2002-03. This year saw the implementation of 5 instream habitat, fencing, salmon carcass distribution and passage barrier projects, involving more than 20 landowners. These projects, located on the Green River, Newaukum Creek, Dogfish Creek and Bainbridge Island included the installation of over 20 pieces of large wood, nearly a mile of livestock fencing, distributed over 4,600 salmon carcass (23.5 tons!) and improving salmonid access to nearly 5 miles of habitat.

This year also saw the kick-off of the "Once A Year for the Fish" outreach campaign. Initiated at the Mid-Sound Annual Meeting in April, 2002, this campaign strives to make presentations to community groups and businesses in our region with the goal of involving these groups in at least one volunteer event per year. With support from the Washington Department of Natural Resources and U.S.D.A. Forest Service's Urban & Community Forestry Program, this campaign met its goals of 15 community presentations. Out of these presentations, 10 groups volunteered with us this year. This campaign involved 129 volunteers, contributing 735 hours planting over 1,800 native trees and shrubs. In addition, 3 new landowners were identified and restoration work is being planned for those sites.

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

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Mid-Sound's Monitoring Program continued to grow under the supervision of our full-time Monitoring Coordinator. In addition to the regular monitoring of past restoration sites, including woody structure and riparian vegetation surveys, we began a coho outmigration study on Big Spring Creek, a tributary to Newaukum Creek. This study is collecting valuable information on coho and cutthroat trout usage of habitat prior to acquisition and restoration of this important tributary. Volunteers from South King County Trout Unlimited and the local community monitored this trap twice daily from April to June, collecting information on fish species, numbers and size.

Mid-Sound relied heavily on support from the National Fish & Wildlife Foundation (NFWF) during 2002-03. NFWF grant programs supported restoration and monitoring throughout the Newaukum Creek basin, providing funds for engineering and design, permitting, contractor services, materials and staff salary & support. Without these grants it would have been a very slow year for us. In addition to the NFWF grants, Mid-Sound used funds from various other public and private sources.

PROJECT HIGHLIGHTS

North Fork Newaukum Project

River Mile 0.75—1.5 Instream & Riparian Habitat

Mid-Sound's work in North Fork Newaukum continues! Mid-Sound's WCC crew and hundreds of volunteers helped cut and grub out blackberries over an acre of land around the NF Newaukum Creek. The ground was then covered in several layers of cardboard and several inches of mulch to impede the blackberry re-growth from remaining root structures or seeds. The area was then planted with native trees and shrubs. The site preparation was followed up with installation LWD and planting of the riparian area.

River Mile 1.5 Culvert Removal and Bridge Installation

From October to December of 2002, Mid-Sound removed a culvert under a driveway on North Fork Newaukum Creek and replaced it with a timber bridge. Mid-Sound has been actively restoring this site for years. In 2001 Mid-Sound installed 5 ELWD structures and 3 log jams downstream of this culvert. The old culverts were removed and the concrete footings and abutments were placed in October prior to the spawning season for coho. We came back in December to install the timber bridge. The original culvert consisted of 2 corrugated metal pipes that were undersized and half filled with gravel. During extreme high flows the stream would overtop the road, washing sediment into the stream. The small size of the culverts caused high flows through the pipes creating a juvenile salmonid passage barrier at medium to high flows. The old pipes were 2.5 feet wide each, so the combined channel width was 5 feet. The new timber bridge has a 20-foot span. In addition, the new channel was reconstructed with clean coho sized spawning gravel and large woody debris pieces were embedded in the channel. The landowners are very happy with their bridge which will last at least 50 years. The culvert project was funded by a National Fish and Wildlife Foundation Grant.

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

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Completed Beachcrest Culvert looking upstream.



Volunteer installing ELWD structures in North Fork Newaukum Creek.

The final phase of the project was to build a fence along this section of stream. This occurred in February of 2003.

Beach Crest Drive Culvert Replacement, Bainbridge Island

In October of 2002, Mid-Sound replaced a culvert under a private road accessing three private residences, just off Beach Crest Drive on Bainbridge Island. The stream is unnamed (Washington Stream Catalog # 15.9100). The old culvert was too small (18" wide) and it was filled up with sediment and gravel. We replaced the culvert with a 5-foot (60") culvert that was 30 feet long and lined the bottom with spawning gravel. The design work and construction supervision were donated by Wayne Daley of Daley Design. The excavation work was donated by Ethan Skyler of the Skyler Construction Company. Wayne Daley and Ethan Skyler also addressed a drainage problem upstream of the culvert near Beach Crest Drive. The stream is used by cutthroat trout and is a possible coho salmon habitat.

Dogfish Creek In-Stream Restoration, Fencing, and Riparian Planting

This project restored 830 feet of main stem Dogfish Creek and 270 feet of ditches and tributaries. Approximately 2400 feet of fencing was built along the main stem, ditches, and tributaries with a 15-40 foot buffer. Blackberry was removed from 1100 feet of stream and tributaries. We placed 40 pieces of large woody debris and built 9 side channels. This project was a joint effort of Mid-Sound, the Kitsap Conservation District, the Suquamish Tribe and cooperating landowners. A Washington Department of Fish and Wildlife Volunteer Services Grant funded this project.

MONITORING HIGHLIGHTS

Mullen Slough

- Began baseline water quality, substrate and macroinvertebrate monitoring, which Mid-Sound will continue through 2003.
- Water quality data sharing with King County, University of Washington and Washington State University.
- Developed plan for additional monitoring to take place in 2003 and after project implementation.

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

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Vegetation Monitoring

- Volunteer hours=73.5
- Percent health of all planted natives increased to 90% healthy in 2002 versus 78% healthy in 2001.

VOLUNTEER PROJECT HIGHLIGHTS

North Fork Newaukum Creek ELWd Project

This volunteer project is a part of the North Fork Newaukum Creek Project. This \$22,000 project was funded by the National Wildlife Federation®'s Keep the Wild Alive™ Species Recovery Fund, National Fish and Wildlife Foundation (NFWF) and King County Partnership Grant, and NFWF Grant. The project began with our WCC crew removing blackberries, followed by volunteers installing ELWd (Engineered Large Woody Debris) structures over a period of a week and a half around the end of July. The volunteers were mainly youths from YVC of King County, YMCA of Seattle, and a local burly man (our valuable muscle hero). With a lot of sledgehammering technique; hitting on center repeatedly until it goes in, we installed 12 ELWds. A planting of this project followed in October where local volunteers from Auburn High School and Enumclaw High School planted 500 plants along the streamside. A total of 21 volunteers contributed 388 service hours to this project.

6-acre Forested Wetland Restoration Project

This project is funded by the City of Enumclaw. We held 8 events at this project site in which 144 volunteers contributed 456.5 hours to building 24 ponds and mounds for planting. Major group participants in this project were from the following : Mountain Meadow Elementary 4th graders, Dallin Peterson's Eagle Scout leadership project (Troop 767), Ray Congdon's troop and Youth Volunteer Corps.

Middle Newaukum Creek Project

This project was funded by the NOAA Community-Based Restoration Program and People for Salmon Partnership. We held 7 volunteer events in which a total of 104 citizens contributed 351 service hours to on-the-ground restoration work. They had the opportunity to plant, remove blackberry bushes and conduct maintenance around the plants such as placing cardboard slips, rodent guards and mulch. These citizens ranged from a variety of groups; students from the University of Washington Carlson Center of Service Learning, Boy Scouts of America, local middle/high school students and South King County residents.

Salmon Training Course

In partnership with the Washington State University Cooperative Extension and the King County Water and Land Resources Division, we put together a short salmon training course. The course was for volunteers who wanted to know what and how to get involved with salmon recovery efforts. Participants receive 14 hours of free training then return 14 hours of volunteer service. For our component, 15 participants came out and learned hands-on practical restoration skills and knowledge. They contributed a total of 112 hrs to two project sites at the training course. Additional hours will be contributed in 2003.

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES: JULY 1, 2002 - JUNE 30, 2003

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Project Support - Kitsap County Projects				\$ 28,360.93	\$ 28,360.93
2 Harper Estuary Design					
3 Mahler Park Side Channel				\$ 1,285.46	\$ 1,285.46
4 North Fork Newaukum Creek	\$ 3,590.00			\$ 186,336.07	\$ 189,926.07
5 Dogfish Creek Restoration					
6 McDonald Side Channel					
7 Dogfish Creek/Crum Fencing					
8 Salmonberry Creek Habitat				\$ 7,352.66	\$ 7,352.66
9 Dogfish Creek/Baskins					
10 Project Support - Monitoring		631.50	\$ 7,893.75	\$ 12,455.03	\$ 20,980.28
11 Strategic Plan					
12 Project Support - Director 2001					
13 Project Support - Administration 2001	\$ 1,001.02			\$ 26,610.63	\$ 27,611.65
14 Project Support - Volunteer Coordinator		735.00	\$ 9,187.50	\$ 14,024.43	\$ 23,946.93
15 Carcass Distribution				\$ 600.05	\$ 600.05
16 McLarty Fence					
17 Little Bear Creek					
18 Project Support - Stewardship	23,794.23			\$ 1,765.12	\$ 25,559.35
19 Other Direct Project Support				\$ 59,493.65	\$ 59,493.65
TOTALS	28,385.25	1,366.50	\$ 17,081.25	\$ 338,284.03	\$ 385,117.03

REGION 4 – MID-PUGET SOUND FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

BOARD OF DIRECTORS

Alan Miller **President**, Trout Unlimited, East Kitsap County (WRIA 15) Salmon Habitat Restoration Committee Member
Al Barrie **Vice President**, Trout Unlimited Green/Duwamish (WRIA 9) Steering Committee Member
Murray Andrews **Treasurer**

Willy O’Neil, Associated General Contractors Cedar River/Lake Washington (WRIA 8), Steering Committee Member
Josh Kahan, Green/Duwamish Watershed Basin Steward, King County Water & Land Resource Div.
Brian Lull, Fishing and Hunting News
David Burger, Stewardship Partners
Paul Dorn, Suquamish Tribe

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Monitoring Coordinator
Mark Stamey

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ADVISORY COUNCIL

Senator Slade Gorton—Preston, Gates & Ellis, LLP
The Honorable Ken Jacobsen—Chair,
Senate Natural Resources & Parks Committee
Merle Hayes—Tribal Elder, Suquamish Tribe
The Honorable Rob McKenna,
King County Council Member
The Honorable Margaret Pageler,
Seattle City Council Member
The Honorable John Wise—Mayor,
City of Enumclaw
The Honorable Tim Clark—President,
Kent City Council

The Honorable Cheryl Kincer,
Port of Bremerton Commissioner
Gene Colin—CEO, Ferguson Construction
Rollin Fatlund—President, RF&A
Business & Public Affairs Consulting
Kay Gabriel—Manager, Government
Affairs, Weyerhaeuser Company
Lee Keller—Managing Partner, APCO
William E. O’Neil
Bill Robinson
Ross Anderson
Louis Bianco—CFO, Cell Therapeutics, Inc.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

SPSSEG is a non-profit organization committed to increasing salmon populations in the South Puget Sound Region through habitat restoration, community education, and volunteer involvement.

R F E G O V E R V I E W

SPSSEG covers a large, diverse area with several counties, watersheds and opportunities for salmon restoration. The area includes the Puyallup, Nisqually and Deschutes River systems, their respective tributaries, and 1000's of small streams and creeks draining directly to south Puget Sound. From July 1, 2002 to June 30, 2003, we completed 8 fish passage and inventory projects plus 2 education projects; made progress on 11 other projects; received 11 new grants for on-the-ground restoration and education projects; made significant progress on preparing for our first federal audit; and welcomed two new board members. There are four full time employees and one part-time employee.

A 7-member board provides a wealth of technical expertise and institutional memory for this 12 year-old RFEG. The group has well-established partnerships with Pierce, Thurston, Mason, and Kitsap Counties; Pierce, Thurston, and Mason Conservation Districts; and the Squaxin Island, Nisqually, and Puyallup Indian Tribes.

Numerous property owners, businesses, families and other salmon supporters comprise SPSSEG's membership. The membership is complemented by non-member donors and volunteers who contribute valuable time and money. A newsletter, annual meeting and quarterly meetings help the membership, staff and board keep in touch.

PROJECT HIGHLIGHTS

Riparian Plantings – Riparian plantings were done as part of several projects listed below.

In-Stream habitat projects

Lower Mashel Restoration (In progress)

This project is located on the lower 0.7 miles of the Mashel River, which includes vital spawning and rearing habitat for chinook, coho, pink, steelhead, and cutthroat trout. Project elements include the modification of 0.5 miles of a washed-out road in the lower Mashel River valley to prevent future fine sediment input and the addition of several pieces of LWD for the purpose of gravel sorting, pool formation, bank erosion reduction, and to increase cover. In order to measure the effectiveness of LWD addition, an intensive monitoring study has been initiated.

Lower Yelm Creek Restoration (In progress)

(Note: This project also is a Fish Passage Project)

The objectives of this Nisqually River watershed project are to reconstruct an historic off-channel pond, add LWD for cover, fence out livestock from several hundred meters of creek, plant riparian vegetation, and restore access through a logjam. Restoring passage through the logjam will provide access to about 10 miles of important spawning and rearing habitat for chum, coho, steelhead, and cutthroat trout. Project engineering has been completed and construction will take place in summer 2004.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

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Fish Passage Projects

Muck Lake/Lacamas Creek (Completed)

(Note: This project is also an In-Stream habitat project.)

SPSSEG assisted the Nisqually Tribe on this culvert replacement, reed canary grass removal, and revegetation project in WRIA 11. The culvert replacement opened about 5 miles of rearing and spawning habitat.



Salazar Culvert Replacement (Completed)

This project on Woodland Creek was completed in September 2002. Two undersized and collapsing culverts under a private driveway were replaced with a 40 foot bridge. Over 3 miles of spawning and rearing habitat were made more accessible to chinook, chum, coho and other resident fish at all life stages. The City of Lacey recently revegetated the project site with native plants.

Schumocher Creek Fish Passage (Completed)

SPSSEG supported Mason County's replacement of a culvert with a bridge on Schumocher Creek (tributary to Mason Lake). This project restored access to 5 miles of spawning habitat including a 20+ acre rearing wetland. Species include coho, steelhead, and cutthroat. The Allyn Salmon Enhancement Group volunteers continue to monitor the project site and upstream salmon usage.

Jorgenson Creek Culvert (Completed)

A culvert under a private driveway crossing of Jorgenson Creek (Thurston County) was replaced with a squashed aluminum pipe arch and the site was replanted with native vegetation by Lacey Stream Team volunteers. The Thurston Conservation District drafted the monitoring plan and assisted with implementation. This project opened about 0.5 river miles of habitat for salmonids and forged positive relations with neighbors.

Anderson Lake Creek Culvert (Completed)

This project replaced a Mason County culvert on Anderson Lake Creek (WRIA 14). The old structure was replaced with a large pre-cast box culvert. Allyn Salmon Enhancement Group volunteers assisted with implementation and continue to conduct post-project monitoring. This project opened about 2 miles of salmonid habitat.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

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Sherwood Creek Railroad Bridge (Completed)

A U.S. Navy culvert on Sherwood Creek (WRIA 14) was replaced with a 54-foot bridge. The stream channel was returned to its historic location and access was restored to over 17 miles of spawning habitat. The riverbanks were bioengineered and stabilized with coir-wrapped coconut fabric. Allyn Salmon Enhancement Group volunteers assisted with the fish-out and baseline monitoring. The Mason Conservation District has recently completed the site revegetation and are currently monitoring and maintaining the site.

Minter Creek Watershed Fish Passage (In progress)

This project employs a watershed-based approach to the removal of five culvert barriers to salmonid migration in the Minter Creek watershed. Barriers will be replaced with structures that will allow unimpeded fish passage at all life stages. The project sites are scattered throughout the basin on Minter Creek and two tributaries. Accessible habitat will be suitable for chinook, chum, coho, steelhead, and sea-run cutthroat trout. Project engineering has been completed to 30% and construction will take place in summer 2004 in cooperation with Kitsap and Pierce Counties.

Puget Creek Fishway (In progress)

SPSSEG is a supporting partner to the Puget Creek Restoration Society and replacement of a private driveway culvert with a fish-friendly structure in WRIA 12 (Chambers-Clover). This project will be completed in fall 2003.

Gosnell Creek Culvert (In progress)

This project is a partnership with private landowners, Mason Conservation District, Mason County Public Works, and SPSSEG. This project will remove two undersized culverts in Mason County and replace them with a 40-foot bridge. Chum, coho, steelhead, cutthroat and rainbow trout will benefit from this culvert removal and riparian planting. This project will be completed in summer 2003.

Perkins Creek Fish Passage (In progress)

Engineering is underway and construction is expected for early summer 2004. The goal of this project is to remove an undersized barrier culvert on a private road and install a properly sized structure. Over one mile of spawning and rearing habitat will be made available to chum, coho, steelhead, and cutthroat trout.

Perry Creek Tributary Fish Passage (In progress)

This project will utilize a stream based restoration approach and replace two fish passage barriers on a tributary to Perry Creek in Thurston County. One of the barriers has been a total migration barrier for chum, coho, and cutthroat for over 75 years. Approximately 1.5 miles of stream will be re-introduced as historical salmon habitat. Engineering is complete and construction will begin in summer 2004.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

ASSESSMENT, MONITORING, RESEARCH

WRIA 14 Fish Passage Inventory (Completed)

This inventory provided a comprehensive survey of all in-stream structures (culverts, dams, fishways, etc.) located on private and public lands within WRIA 14. The inventory implemented the WDFW Fish Passage criteria to determine barrier status. Over 300 structures were identified and included in the final report.

Puyallup Feasibility Study (Completed)

This study identified 10 restoration projects for funding within WRIs 10 and 12, Puyallup River and Chambers-Clover Creek. SPSSEG has entered into multiple partnerships to submit proposals to the Salmon Recovery Funding Board and other sources for funding.

WRIA 13 Fish Passage Inventory (In progress)

This inventory uses the WDFW protocol to evaluate all culverts, dams, fishways, etc. on anadromous streams in WRIA 13. Over 180 structures have been identified and 10 habitat surveys upstream have been completed. The project will be completed in winter 2004.

WRIA 14 Fish Passage Project Development (In progress)

This project uses the WRIA 14 (Mason County) culvert inventory results to prioritize and rank anadromous fish passage barriers. The ranking will be completed by the WRIA 14 Salmon Recovery Habitat Committee and the top 10 projects will be submitted for preliminary engineering designs. Several projects will be submitted to the Salmon Recovery Funding Board and other sources for funding.

Nisqually Off-Channel Habitat Survey and Design (In progress)

This project has resulted in the inventory of approximately 50 functional off-channel habitat features within the floodplain of the Nisqually River and the identification of at least 6 sites with restoration potential. Restoration sites will be prioritized based on biological significance, landowner willingness, and cost effectiveness. The top sites will have pre-project engineering and cost estimates completed in preparation for grant applications.



Project Monitoring (In progress)

SPSSEG has sponsored an intern to visit past project sites and to begin updating our project database to ensure the projects are still functioning.

Generic Projects

Our Riparian Restoration, Office Operations, Project Management, Project Engineering and Project Construction "projects" allow us to utilize RFEG funds for all of our individual on-the-ground and education projects as well as to maintain and build our organizational infrastructure.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

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Kennedy Creek Salmon Trail (Ongoing)

The trail provides public access to one of the South Sound's healthiest native chum runs. Taylor United Shellfish Co. donated a 20-year land lease for a half-mile interpretive trail along Kennedy Creek (WRIA 14). Over 30 volunteer trail guides educated school groups and visitors. About 5,000 visitors visited the trail in 2002-2003.

EDUCATION AND OUTREACH (ONGOING)

SPSSEG board, staff, partners, and volunteers are always looking for ways to provide salmon education and outreach. Staff and volunteers provided support to several partners' events including Mason Conservation District's Kids with Conservation Knowledge, Thurston Conservation District's South Sound Green Student Congress, and the Puyallup School District's Clarks Creek Education Day. Over 1,200 students were involved in watershed education through these events. We also used funds to update our website, create and distribute newsletters, and support our annual and general membership meetings.

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES: JULY 1, 2002 - JUNE 30, 2003

Project Name	RFEF Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Lower Mashel Restoration	\$ 1,040	120	\$ 2,747	\$ 1,005	\$ 4,792
2) Lower Yelm Creek Restoration	\$ 2,106	78	\$ 1,855	\$ 3,944	\$ 7,905
3) Salazar Culvert Replacement	\$ 25,506	144	\$ 3,456	\$ 99,036	\$ 127,998
4) Schumacher Creek Fish Passage	\$ 1,560	0	\$ 0	\$ 0	\$ 1,560
5) Anderson Lake Creek Culvert	\$ 33,106	0	\$ 0	\$ 52,791	\$ 85,897
6) Sherwood Creek Railroad Bridge	\$ 2,106	120	\$ 1,380	\$ 290,957	\$ 294,443
7) Minter Creek Fish Passage	\$ 1,013	0	\$ 0	\$ 1,655	\$ 2,668
8) Gosnell Creek Fish Passage	\$ 76	0	\$ 0	\$ 3,067	\$ 3,143
9) Perkins Creek Fish Passage	\$ 0	6	\$ 330	\$ 152	\$ 482
10) Perry Creek Fish Passage	\$ 13	100	\$ 1,250	\$ 3,927	\$ 5,190
11) WRIA 14 Fish Passage Inventory	\$ 6,811	138	\$ 4,165	\$ 47,350	\$ 58,326
12) Puyallup Feasibility	\$ 3,031	0	\$ 0	\$ 30,070	\$ 33,101
13) WRIA 13 Fish Passage Inventory	\$ 4,268	229	\$ 4,354	\$ 4,421	\$ 13,043
14) WRIA 14 Project Development	\$ 1,825	50	\$ 1,750	\$ 3,489	\$ 7,064
14) Nisqually Off-Channel Project	\$ 8,847	124	\$ 2,813	\$ 4,473	\$ 16,133
15) Project Monitoring	\$ 0	40	\$ 460	\$ 0	\$ 460
Generic Projects					
Office Operations	\$ 15,910	194	\$ 5,820	\$ 0	\$ 21,730
Project Management	\$ 16,052	0	\$ 0	\$ 0	\$ 16,052
Project Engineering	\$ 9,090	10	\$ 800	\$ 0	\$ 9,890
Education and Outreach	\$ 22,316	68	\$ 782	\$ 0	\$ 23,098
Kennedy Creek Salmon Trail	\$ 11,526	328	\$ 3,772	\$ 0	\$ 15,298
TOTALS	\$ 166,202	1,749	\$ 35,734	\$ 546,337	\$ 748,273

REGION 5 – SOUTH PUGET SOUND SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

B O A R D

Terry Wright, President, NWIFC
Blake Smith, Vice President, Puyallup Indian Tribe
Richard Johnson, Treasurer/Sec., White River Hatchery
Jeanette Dorner, Nisqually Indian Tribe
Sally Hicks, Private Consultant
Jen Thurman-Williams, Mason Conservation District
Marc Wicke, Tacoma Power

C O N T A C T I N F O R M A T I O N

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Olympia, WA 98516
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REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

To perpetuate and enhance the genetic diversity and stocks of Wild Salmon in Hood Canal through the protection and restoration of salmon habitat, stewardship and research for watershed and marine ecosystems, community education and outreach, and any other means appropriate. Adopted in 1990, modified in 1999, 2002 and 2003.

OVERVIEW

The region covered by the Hood Canal Salmon Enhancement Group (HCSEG) 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 eastside of Hood Canal, flowing from the Kitsap Peninsula, the streams are smaller than those of the westside of Hood Canal and include some of the most intact salmon habitat on the Kitsap Peninsula. Among them are Big Beef Creek, Dewatto, Tahuya and Union Rivers. 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. 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. Thirteen 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.



REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

In the time period July 1, 2002 through June 30, 2003, the Hood Canal Salmon Enhancement Group

- Continued survey of Hood Canal for Ghost Nets & Derelict Gear
- Completed Indian George Ck Barge removal and Estuary Restoration
- Participated in the conceptual design of the Pacific Northwest Salmon Center and became one of three founding members. The other two are Mary E Theler Organization and WDFW.
- Surveyed, sampled & mapped the 101 Causeway Estuaries
- Completed Bank Stabilization Projects on the Union, Tahuya and Dewatto Rivers
- Design & permitting complete for Alderbrook Project
- Designed & Permitted Alderbrook Ck, Dalby Ck Culverts
- Designed Shine Restoration Project
- Designed, permitted and completed work on Grata Ck II
- Designed & permitted Tarboo Culverts
- Partner in Lower Union River Restoration Study – Centennial Clean Water grant – contracting for Water Quality sampling and analysis
- Gridded and completed baseline monitoring of several Hood Canal rivers
- Conducted over 50 outreach presentations
- Partnered in hosting Environmental Explorations – over 600 students spend the day at HCWPC
- Installed flow gauges on 3 rivers
- Held Experience Salmon Camps for 18 students
- Completed 3rd year of Dewatto Nutrifcation Project – operating 11 smolt traps
- Completed 3rd year of Union Summer Chum Project – 11,916 returns as of 10-15-03
- Released 86,000 Summer Chum, 190,000 Fall Chum, 315,000 Chinook, 198 Adult Steelhead and 961 age 2 Steelhead smolts



REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Match	Total Spent
1) Administration	\$31,645.23					\$ 31,645.23
2) Habitat Design	\$5,640.86					\$ 5,640.86
3) Supplies	\$5,619.89					\$ 5,619.89
4) Outreach	\$4,165.70					\$ 4,165.70
5) Research						\$ 0.00
6) Monitoring						\$ 0.00
7) Travel	\$3,317.99					\$ 3,317.99
8) ALEA #38020160 - Volunteer Monitoring	\$7,676.87	1,415	\$ 17,687.50			\$ 25,364.37
9) ALEA #38020383 - HC Monitoring	\$5,121.00					\$ 5,121.00
10) ALEA #38030067 - Volunteer Monitoring	\$6,751.83					\$ 6,751.83
11) USFWS #134101J016				\$11,474.75		\$ 11,474.75
12) USFWS #134102J014				\$127,242.19		\$ 127,242.19
13) NFWF #2001-0267				\$154,686.74	\$622,406.17	\$ 77,092.91
14) NFWF - RFEG #2002-0310-006				\$80,500.00		\$ 80,500.00
15) NFWF #2002-0176-000				\$142,580.47		\$ 142,580.47
16) NFWF #2002-0370				\$100,000.00	\$180,119.09	\$ 280,119.09
17))Big Beef Creek - IAC #00-1181D				\$30,286.73		\$ 30,286.73
18))101 Causeway - IAC #00-1806N				\$21,077.14		\$ 21,077.14
19) Indian Geo Estuary - IAC #00-1802D				\$16,155.79	\$ 29,579.42	\$ 45,735.21
20) Indian Geo Estuary - ALEA #AL-01-02				\$ 8,006.96		\$ 8,006.96
21) Skobob - FCAAP				\$63,940.73		\$ 63,940.73
22) LeBar Ck Rd Decomm.-IAC #01-1426R				\$ 2,352.90	\$ 2,660.00	\$ 5,012.90
23) HC Ghost Net Survey -IAC #01-1339-N				\$89,538.97	\$ 83,224.61	\$ 172,763.58
24) ID/Restore - IAC #01-1428R				\$159,032.09		\$ 159,032.09
25) USFS Title II #NFS 02-CA-11060900-016				\$33,606.00	\$ 33,907.14	\$ 67,513.14
26) LURRS-CCW				\$26,400.72	\$ 16,876.05	\$ 43,276.77
27) Experience Salmon Camp 2002				\$ 6,406.46		\$ 6,406.46
28) Pacific Northwest Salmon Center -Design				\$50,000.00		\$ 50,000.00
29) Scholarships				\$24,000.00		\$ 24,000.00
30) Volunteer Hours - Sept 2002		1,353	\$ 16,912.50			\$ 16,912.50
31) Volunteer Hours - Dec 2002		299	\$ 3,737.50			\$ 3,737.50
32) Volunteer Hours - Apr 2003		549	\$ 6,862.50			\$ 6,862.50
33) Volunteer Hours - Jun 2003		616	\$ 7,700.00			\$ 7,700.00
34) AmeriCorps Crew hours		8,500	\$106,250.00			\$ 106,250.00
35) Volunteer Hours		916	\$ 11,451.25			\$ 11,451.25
TOTALS	\$69,939.37	13,648	\$ 170,601.25	\$1,147,288.64	\$968,772.48	\$ 2,356,601.74

REGION 6 – HOOD CANAL SALMON ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

BOARD OF DIRECTORS

Dick Evans, President – SAIC at Keyport
Earl Sande, Vice President – Earl's Marine, Owner
Al Adams, Secretary – Retired Dentist
Bob Hager, Treasurer – Retired Boeing Space Program Vice President
Butch Boad, Board Member – Real Estate
Rick Endicott, Board Member – Long Live The Kings
Bob Sund, Board Member – Retired School Administrator
Dewayne Vetter, Board Member – Retired Welder, PSNS
Gary Cooper, Board Member – Keyport, Governmental Liaison
Deb Triplett Gillum, Board Member – Keyport, Public Relations Specialist
Mike Dully, Board Member - Engineer
Jeff Heinis, Board Member – Skokomish Tribe, Natural Resources
Muffy Pickel, Board Member – Retired Superintendent of North Mason School District

STAFF

Neil Werner, Executive Director
Eileen Palmer, Administrative Assistant
Dan Hannafious, GIS Technician
Chris Daniel, Education / Outreach Coordinator
Lee Boad, Salmon Project Director
Nathan Ackley, Monitoring Project Supervisor



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REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

Our mission is to protect, restore and increase salmon stocks in North Olympic Peninsula Watersheds.

RFEG OVERVIEW

As a non-profit community-based salmon recovery organization NOSC provides funding, guidance, technical assistance and ongoing support for salmon habitat restoration and enhancement. Our region includes the watersheds along the coast of the Strait of Juan de Fuca, from Hood Canal Bridge west to Neah Bay. We work cooperatively with the WA Department of Fish and Wildlife, Jefferson and Clallam County Conservation Districts, Point No Point Treaty Tribes, a variety of agencies, schools, community organizations, volunteers and landowners. Funding from ALEA Cooperative grants, WA Salmon Recovery Funding Board (SRFB), National Fish and Wildlife Foundation (NFWF), FishAmerica, Trout Unlimited /Embrace-a-Stream, and Jefferson County augmented the RFEG funds. Technical support from WDFW, US Navy, Lower Elwha Klallam Tribe, Jamestown and Port Gamble S'Klallam Tribes and JCCD are critical components to our projects' success.

FISH ENHANCEMENT

During the past year NOSC volunteers continued their efforts to restore summer chum in three watersheds, Salmon, Chimacum and Jimmycomelately Creeks. The results continue to show success from the broodstock supplementation program funded by a WDFW Cooperative Grant. NOSC and Wild Olympic Salmon volunteers logged over 1200 hours tending the summer chum to release size. Salmon Creek posted record summer chum returns of over 5000. The Salmon Creek return has been so successful it will last only 2 more seasons as a single remote site incubator (RSI).

IN-STREAM HABITAT PROJECTS

A key to maintaining and sustaining summer chum runs is to identify and improve habitat problems that have lead to poor natural spawning. Over the past 15 years NOSC and our partners have been successful in identifying and completing habitat improvements to increase natural spawning success.



Volunteers working at the Salmon Creek fish trap.

Salmon Creek 2003 construction of approximately 3000 feet of new stream channel on Salmon Creek includes extensive meanders, clean spawning gravels, deep pools and placement of large log structures. The project will be augmented next year with planting of the new flood plain riparian zone. Turning the years of planning for the Salmon Creek project into a reality became possible after WDFW, with US Fish and Wildlife Service Funds, purchased the 100 acre Larrance Farm. NOSC provided financial support to the Salmon Creek restoration project partnering with Jefferson County Conservation District (JCCD), SRFB and WDFW. WDFW provided engineering and construction services on the project.

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Houck Creek Pond. In order to assure upstream sediment loads are reduced in Salmon Creek, NOSC partnered with People for Salmon/NOAA and Jefferson County Conservation District to repair a major erosional scarp below the Houck Creek Pond. The project consisted of filling the drainage ravine with rock and planting willow stakes. Increasing the vegetation on the remaining scarp slope will reduce erosion, stabilize the slope and help filter the sediment before it reaches summer chum spawning gravels downstream. JCCD measurement of turbidity before and after has validated the project's immediate success.



Volunteers planting on the West Fork of Chimacum Creek in fall 2002.

West Fork of Chimacum Creek NOSC completed a $\frac{3}{4}$ mile channel reconfiguration project along the West Fork of Chimacum Creek with funds from Trout Unlimited, SRFB, NFWF and generous contributions from Pilchuck Excavating and Smayda Environmental Associates. The project reconnected the stream channel to abandoned farmed wetlands, added wood and planted with volunteer labor 3,500 trees and shrubs. Reed canary grass was pulled back with extensive excavation of over 5 acres of root mass. The area was reseeded with native wetland plant seed. The remaining canary grass is held at bay with extensive mowing in the project area.



Bridge installation at the Valley Creek project site in summer 2002

Valley Creek In Port Angeles, the City, Port, Rotary, Daishowa and Peninsula Trails Coalition partnered with WDFW and NOSC to pool funding, volunteers and materials and engineering to reconfigure 800 feet of channelized stream in the heart of Port Angeles, remove weeds and replant the riparian area on City land. This is Phase 2 of a large scale watershed restoration effort from the estuary to the pristine reach in the Olympic National Park.

RIPARIAN PLANTINGS

Volunteers from 4-H, Waterwatchers and Trout Unlimited and the general public are valuable partners on these projects. Residents of Discovery View Assisted Living folded "blue tubes" for use on new plants. The many hours logged to West Fork Chimacum Creek and Valley Creek for habitat revegetation are directly connected to the Restoration Steward's efforts at outreach, site preparation and volunteer training.

Monitoring

Macroinvertebrate study: NOSC has established a macroinvertebrate monitoring program on Salmon and Chimacum Creeks to gauge improvements in biological integrity post restoration. Analysis of stream insect populations at each restoration site is compared to control sites on each stream. The 2002 study marks the beginning of the first long term study of macroinvertebrates in East Jefferson County streams. The project is dependent on volunteers from the community, Americorps and Chimacum School 6th Grade Science Classes for its early accomplishments.

REGION 7 – NORTH OLYMPIC SALMON COALITION

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Education and Outreach

NOSC continued participation in a variety of annual festivals and events in the region including North Olympic Land Trust Streamfest, Joyce Daze, Jefferson County Fair, Port Townsend Marine Science Center Low Tide Fest. NOSC began a partnership with Jefferson 4-H After School and summer camp programs and Chimacum and Port Townsend Schools occupational classes. NOSC continued its partnership with Wild Olympic Salmon coordinating the travels of Fin, the Giant Salmon.

Community Outreach

NOSC initiated the outreach effort on Salt Creek in WRIA 19. NOSC attended community meetings and created and distributed a Salt Creek brochure to explain salmon habitat needs and assessment goals to landowners. Staff worked to obtain access permission from all landowners along the study reaches. NOSC representatives made presentations to the Jefferson County Marine Resource Committee, and to various nearshore community organizations including Ludlow Village Council, Discovery Baywatchers, Beckett Point Owners Assoc, Kline Spit Duck Club, Jefferson County Marine Resources Committee, Jefferson County Parks Committee and planning groups in WRIA 17, 18, 19.

Assessment and Research

Salt Creek Assessment: NOSC initiated the Salt Creek Assessment, a SRFB project in partnership with the Lower Elwha Klallam Tribe. LEK provided a stream crew and donated the time of a senior biologist and GIS support for this effort. The outcome in 2003 will be a prioritized project list and increased community stewardship in the rural watershed near Joyce.

Chimacum Beach Baseline: In 2002 NOSC staff and volunteers produced the Chimacum Beach Baseline Assessment for Jefferson County Public Works Department as part of the County's shoreline acquisition project in Port Hadlock. The project used the Puget Sound Beach Seine Protocol to determine seasonal fish use and measured eelgrass resources and seasonal change in beach profiles. The project documented juvenile Chinook use of the inner shoreline in Port Townsend Bay.

Forage Fish Assessment: NOSC staff and Volunteers also continued the East Jefferson County Forage Fish Assessment with SRFB support. In the 2002-3 winter spawning season, NOSC sampled 110 miles of beach in Jefferson County, 23 miles in Kitsap County and 15 miles of shoreline in Mason County. NOSC members and WDFW donated significant skiff time to make sampling of multiple beaches an easier task throughout the winter.

Fish monitoring: NOSC volunteers assisted Lower Elwha Tribal staff in the installation of smolt traps on Deep Creek, Hoko and Little Hoko Rivers. Spawning Surveys for summer chum and coho took place with volunteers in the Chimacum watershed in cooperation with Wild Olympic Salmon, WDFW and the Point No Point Treaty Council. NOSC volunteers continued to provide extensive labor support for the WDFW Snow Creek Coho Recovery Program, a research based broodstock and RSI effort using multiple rearing and release strategies in the Discovery Bay watershed.

REGION 7 – NORTH OLYMPIC SALMON COALITION

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Acquisition

Chimacum Estuary: Acquisition of a key marine shoreline bluff and forested headland at the mouth of the Chimacum Estuary was completed with grants to NOSC from the SRFB and Jefferson County Conservation Futures Fund. These funds matched a WDFW grant from IAC. The acquisition was completed just days before the WDFW funding would have expired. The 13 acre area will be dedicated as the Witmer Preserve and joins 100 acres of contiguous protected nearshore, estuary and summer chum spawning habitat. This acquisition was accomplished with significant amount of the Project Management Director funds.



Aerial photo - Salmon Creek project aerial photo following work in July 2003

REGION 7 – NORTH OLYMPIC SALMON COALITION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES: JULY 1, 2002 - JUNE 30, 2003

Project #	Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
8	Houck Pond erosion Control	\$ 16,769.62	38.5	\$ 481.25	\$ 18,000.00	\$ 35,250.87
9	Office Operations	\$ 9,413.26	43.5	\$ 543.75	\$2,767.29	\$ 12,724.30
10	Nutrient Enhancement	\$ 204.56	60.0	\$ 750.00		\$ 954.56
11	Project Management Director	\$ 7,070.64	169.0	2,112.50	\$ 28,300.00	\$ 37,483.14
12	Project Management Coordinator	\$ 5,349.93	19.0	\$ 237.50	\$ 7,218.79	\$ 12,806.22
14	Salmon Creek	\$ 40,853.30			\$ 550,000.00	\$ 590,853.30
16	Valley Creek	\$ 25,825.05	135.0	\$ 1,687.50	\$ 87,000.00	\$ 114,512.55
17	Habitat Revegetation	\$ 8,256.16				\$ 8,256.16
18	Habitat Restoration	\$ 359.24				\$ 359.24
	East Fork Chimacum Creek		89.5	\$ 1,118.75	\$ 27,000.00	\$ 28,118.75
	West Fork Chimacum Creek		470.0	\$ 5,875.00	\$ 34,889.85	\$ 40,764.85
	Spawning Surveys		95	\$ 1,187.50		\$ 1,187.50
	Hatcheries		1,258.50	\$ 15,731.25	\$ 6,500.00	\$ 22,231.25
	Forage Fish		272.5	\$ 3,406.25	\$ 61,000.00	\$ 64,406.25
	Salt Creek Assessment				\$ 2,000.00	\$ 2,000.00
	Chimacum Estuary Acquisition				\$ 970,000.00	\$ 970,000.00
	Chimacum Beach Baseline Assessment		59.5	\$ 743.75	\$ 7,100.00	\$ 7,843.75
	Snow Creek Coho Recovery		753.0	\$ 9,412.50		\$ 9,412.50
	Smolt Traps Deep Ck, Hoko River		57.0	\$ 712.5		\$ 712.5
TOTALS		\$ 114,101.76	3,520.0	\$ 44,000.00	\$1,801,775.93	\$ 1,959,877.69

Habitat Revegetation volunteer hours are included in specific restoration sites listed above.

REGION 7 – NORTH OLYMPIC SALMON COALITION

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OFFICERS 2002

BOARD CHAIR: Tom Ammeter – Chimacum School staff, Snohomish Tribal Council
VICE CHAIR: Pete Schroeder – Marine mammal veterinarian, Dungeness River landowner
SECRETARY: Ray Lowrie – Shoreline landowner, retired school teacher and fisherman
TREASURER: Lige Christian – Organic farmer, Jefferson County Conservation
District Commissioner
PROJECT CHAIR: Walt Blendermann – Sport fisher, retired engineer

BOARD OF DIRECTORS 2002

Harry Bell – Silviculturist, Green Crow Partnership
Dick Schneider – Shoreline owner, retired biologist
Andy Driscoll – Organic farmer, marine ecologist
Marty Peckman – Owner, Chimacum Creek Printing, and coho spawning habitat
Doug Morrill – Biologist, Lower Elwha Klallam Tribe

STAFF MEMBERS 2002:

Paula Mackrow, Executive Director
Kevin Long, Project Coordinator
Sarah McNulty, Project Assistant
Craig Isenberg, Outreach Coordinator
Howie Barnhouse and Alisa Meany – Americorps volunteers

CONTACT US:

North Olympic Salmon Coalition
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REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

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.

VISION STATEMENT

We envision a restored environment that maintains a healthy self-sustaining salmonid population.

We envision having a salmonid resource we can utilize and enjoy far into the future.

We see a local community that not only utilizes the resource but one that takes responsibility for and is actively involved in the well being of that resource.

We envision a strong working relationship with all relevant entities that have a vested interest in salmonid habitat restoration.

R F E G O V E R V I E W

The coverage area for the Pacific Coast Salmon Coalition (PCSC) includes the western portion of the Olympic Peninsula north of the Chehalis River drainage and south of Cape Flattery. This region covers parts of three counties: Clallam, Jefferson, and Grays Harbor. There are several significant rivers in this region including the Sol Duc, Calawah, Dickey and Bogachiel - Quillayute River complex, the Hoh River, the Queets River and the Quinault River. These rivers are glacial fed and have short, but steep drops to ocean. High levels of precipitation characterize the region and streams with cold water, high average flows, and relatively long duration peak flows, including a second peak later in the year from snow melt.

Much of this area is within the Olympic National Park and Olympic National Forest, the state Experimental Forest, or one of several Native American reservations. The majority of the land base in the river drainage is in timber production. The remaining land base is primarily a mixture of national park and Native American reservation.

One of the primary challenges for PCSC is obtaining volunteers in a very large area with a very low population density. The challenges for the volunteers are to blend the needs of salmon with the area's economic dependence on logging and fishing and because so much of the region is in public lands, their efforts must be coordinated with various state, federal, and tribal land managers.



Volunteers and WDFW staff moving salmon at the Sol Duc hatchery.

However, because of this unique circumstance several beneficial partnerships have formed. To date, the Pacific Coast Salmon Coalition has formed partnerships with the Quillayute tribe, the Hoh tribe, the Makah tribe, Quinault tribe, USDA Forest Service, National Park Service, WDF&W, SSHEAR, DNR, Forks School system, Rayonier, Green Crow, Blodell, the City of Forks and numerous small private landowners. One of the most important partnerships was with NFWF and the SRF Board. Without their assistance we would have been without funds for our fiscal year.

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT HIGHLIGHTS

The Pacific Coast Salmon Coalition and the Sol Duc River Salmon Hatchery are working together to enhance the food chain for salmon in the **Quillayute Nutrient Enhancement project**. The Sol Duc, Bogachiel, Calawah, and Dickey rivers were enhanced with over 31,000 surplus salmon carcasses dispersed by volunteers using their own vehicles in almost 900 hours of volunteer service. Hatchery personnel gather and spawn the necessary fish for next year's run. Several thousand food-quality salmon are collected for the local areas food banks, senior centers and tribal centers. The remaining salmon, nearing the spawning stage, are too old for the area food banks. These salmon are collected and their tails are removed for identification as hatchery fish. Volunteers work with the hatchery employees to place these fish into the river systems. As these fish decay, they release nutrients that make their way up the food chain. Aquatic insects such as caddis flies, stoneflies, and midges, feed on these coho salmon carcasses. The aquatic insects are an important part of a coho fry's diet. Salmon have five life stages; eggs, fry, smolt, adult and carcasses. So here we have the fifth stage helping to improve the second stage. As we put these carcasses in streams they deposit marine derived (Pacific Ocean) nitrogen, carbon, and phosphorous. Juvenile coho, steelhead, and cutthroat in small western Washington streams obtain 25% to 40% of these elements from coho salmon carcasses. Besides feeding on aquatic insects, coho fry have been seen feeding directly on the carcasses. Salmon are called a "keystone" species. They have a positive impact on 138 species of wildlife in Washington and Oregon. WDFW, Rayonier, and DNR are important partners in this project.



Bear Creek culvert, prior to removal, was a failing culvert with over 25' of fill.

The **Bear Creek culvert removal project** involved the removal of a failing and perched culvert. The culvert had over 25 foot of fill on top of a failing culvert. The removal was critical. Had the culvert failed incredible amounts of sediment and debris would have been deposited into Bear creek. The culvert blocked access to over 2 miles of excellent habitat. After the removal of the culvert the area was seeded and planted. The project occurred on USDA Forest Service land and could not have been done without their dedication in identifying and assistance in planning the project.

The **Bockman Creek Project** is the removal of an existing logjam on the lower reaches of Bockman Creek that represented a fish passage barrier to upstream spawning and rearing habitat. The logjam within the creek had collected enough splats and other small debris to block fish passage under moderate to low flow conditions. It also appeared the logjams was acting as sediment and gravel blocks as well. The Coalition has removed portions of the jams over the past several summers in order to alleviate the problem and facilitate fish passage to the upper reaches of the creek. Wood was removed from the jams and placed in the stream channel downstream of the lower jam in cooperation with WDFW. Work was carried out with a small work crew of volunteers using a chainsaw wench. This project opened over of a mile of spawning and rearing habitat for coho and steelhead. The creek above the logjams consists of ideal spawning gravel for coho and steelhead. In the past, both species have been observed utilizing this portion of the creek, but recent surveys have indicated only a sparse presence of juvenile coho. The site is being monitored by the coalition and WDFW. Future verification of salmonid utilization in the upper reaches of the creek will constitute success of the project. Valuable partners in this project are DNR, USDA Forest Service and WDFW.

REGION 8 – PACIFIC COAST SALMON COALITION

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

The **Borde Pond Project** is an **RSI project**. The intent of the project is to augment the existing coho run in Mill Creek. Borde pond is an ongoing supplementation project being done in partnership with a private landowner (Phil and Bev Borde) and WDFW.

The **Conrad Creek Project** site is an existing private (DNR) gravel road where an undersized and perched culvert was replaced. The stream is small but flows year around. The culvert was perched above the stream at its outlet, creating a complete fish blockage during some flows and a partial blockage during most flows. Above the road a series of wetlands and beaver ponds exist that is well suited for salmon juveniles. Below the road the stream is steeper gradient and with gravel beds suitable for salmon spawning. The culvert was replaced with a slightly shorter but wider (15' X 25') bottomless arch. The structure was constructed with a natural stream channel inside. Woody material, rocks and gravel were placed inside the arch so as not to drain the existing upstream wetland. Partners in the project were private landowner, WDFW, and DNR.

The **FMS Water Quality project** (Forks Middle School) is a wonderful project that gets kids educated about salmon not only in the classroom but out of it as well. This project provides funds for water quality education, how to do water quality testing, which they do, and why water quality is important to salmon, which they learn. The Forks Middle School has taken the ball and run with this outreach, education and monitoring program.

The **Hoh Humm Project** is a multi-phase project. The aspects of the project we worked on this year were the planting and the exclusionary fencing. We installed over a mile and a half of fence along two connected streams that were subsequently planted. A watering point was provided for the livestock that was then "hardened" with gravel to minimize bank impact and sediment inputs. The partners in the project were WDFW and the landowners (Bob and Mary Huelsdonk) who provided the expertise, tools and some of the machinery.

The **Hoh River Log Jam project** involved the placement of over 40 trees in the Hoh River. The project also included a planting and fencing component. The intent of the Hoh logjam is to stabilize a failing section of bank to reduce sediment input while providing valuable habitat for salmon in the form of slow water refuge and cover. The partners in the project were WDFW, and private landowners (Missy Barlow and Rick and Cathy Dickson) who provided the trees and stabilized a portion of bank below the site.

The **Warner Creek Project** involved removing a failed, undersized and perched culvert and replacing it with an open channel and 11 log weirs to allow salmonid access into Warner creek from Mill creek. Although this creek does not flow year around it does provide spawning habitat during the winter as well as providing off channel refuge during high flows. This project was the result of a partnership with the City of Forks and WDFW.



This picture shows the dramatic change in Conrad before (top) and after (bottom) a new arch was constructed on Conrad creek

REGION 8 – PACIFIC COAST SALMON COALITION

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TABLE OF PROJECT EXPENDITURES

Project Name	RFEG Funds	Vol. Hours	Vol. Dollars	Other Funds	Total Spent
Admin. Cost	\$ 15,676	325	\$ 4,063		\$ 19,739
Bear Cr. Bank	\$ 386			\$ 1,536	\$ 1,922
Bear Cr. Culvert				\$ 33,000	\$ 33,000
Bockman Cr.	58		\$ 725		\$ 725
Borde Pond RSI	19		\$ 238		\$ 238
Conrad Cr. Arch	30		\$ 375	\$ 36,804	\$ 37,179
Executive Dir. 03	\$ 7,771		\$ 38,855	\$ 46,626	
FMS Water Quality	\$ 1,542		\$ 2,285	\$ 3,827	
Hoh Humm Fencing	279		\$ 3,488	\$ 16,040	\$ 19,528
Hoh River Log Jam	28		\$ 350	\$ 17,457	\$ 17,807
Quillayute R. N.E.	\$ 5,236	883	\$ 11,038	\$ 2,200	\$ 18,474
Warner Cr. Outlet	\$ 3,389			\$ 3,221	\$ 6,610
TOTAL	\$ 34,414	1,208	\$ 61,417	\$ 160,711	\$ 155,222

REGION 8 – PACIFIC COAST SALMON COALITION

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Looking for Coat Wire Tags (CWT) in surplus Coho salmon before placing them for nutrient enrichment.



REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT:

The Chehalis Basin Fisheries Task Force is dedicated to producing salmon for sport and commercial fisheries; enhancing Steelhead and sea run Cutthroat trout resources; and restoring, enhancing and protecting stream habitat critical to these anadromous species.

R F E G O V E R V I E W :

The Chehalis Basin Fisheries Task Force is a non-profit organization dedicated to increasing populations of salmon, Steelhead, and searun Cutthroat trout by and for the citizens and the communities in the Chehalis River Basin.

Operations are governed by twenty member (maximum) Board of Directors. Core staff consists of one area coordinator, one office manager, and one bookkeeper. The volume of work accomplished by the CBFTF could never be accomplished by the small paid staff. This provides the volunteers opportunity to be active in the numerous fish enhancement projects. The main focus of the Task Force involves functioning as a funding organization, coordinating technical resources, providing public education and assisting with permitting processes. The Task Force grants funding to projects that assist in the accomplishment of Task Force enhancement goals and promote its mission. Another function provided by the Task Force is that of technical assistance. Project participants can receive support in coordinating with government agencies, project design, permit acquisition, stock selection, coordinated facility operation equipment, and volunteer management, among private citizens, other volunteer organizations and local governments.

The area served by the Chehalis Basin Fisheries Task Force encompasses the entire Chehalis River watershed; the second largest river system in the state of Washington. This basin includes 90% of Grays Harbor, 30% of Mason, 55% of Thurston, 50% of Lewis, and small parts of Pacific, Jefferson, Cowlitz, and Wahkiakum Counties; encompassing 1,694,951 acres. This region consists of two major and a number of minor, independent drainages and 1,391 rivers and streams containing 3,353 linear stream miles. The Hoquiam and Humptulips Rivers, plus several smaller systems, enter Grays Harbor from the north; the Chehalis River from the east; and the Johns and Elks Rivers, along with a number of smaller drainages, from the south.

PROJECT HIGHLIGHTS: (THE FOLLOWING PROJECTS RUN ON A CALENDAR YEAR)



Carlisle Project

As part of its outreach program, the Carlisle Project has partnered with local schools and educational programs. This year marked the completion of the Aquaculture Center, which includes incubation, rearing and holding tanks, as well as a field educational facility. The center is fed by an artesian spring and contains three 16 foot

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diameter tanks that are used for raising trout, for stocking area ponds and for salmon rearing. This center is part of the FFA Chapter's community service program and currently raises 100,000 Coho smolt, 5,000 trout and starting this year, Chum and Steelhead. Volunteer hours for this project were 1,100.



Creamers Spawning and Rearing Channel Barrier Removal

A barrier was removed and the channel was reconstructed. The channel is 2500 feet long. Three years of monitoring has shown the channel supports between 1,500 and 2,000 Chum spawners annually, and provides off-channel rearing for several species of juvenile salmonids throughout the year.

Ecosystem Diagnosis and Treatment (EDT)

Work during this past year focused on the following: Prioritization analysis; working on the procedure for reconciling reach structure with reaches identified through GIS procedure (needed to apply EDT results with WDFW database system); identifying fish production projects and understanding on-going fish production projects in the basin and considerations/proposals for future actions; reviewing materials for identifying restoration strategies in the watershed (applicable to all drainages in the analysis); validity testing for the report generator; meeting with the Corps of Engineers to update staff on Grays Harbor analysis and expansion of work to streams not yet analyzed in the basin for identifying potential restoration projects; setting up of sampling to validate ratings for gravel quality in the Humptulips and Chehalis Rivers; addition of barrier reaches, cross checking with other data sets, data collection and validation, rerouting of data to accommodate barrier reaches; reconciliation of reach definitions for GIS identification, refinement of tools for modeling; placement of data into the stream reach editor (a new tool for use in the Chehalis); and prioritization of geographic areas and factors in the Chehalis Basin.

Kennemer Creek Culvert Replacement

3 miles of habitat and off channel rearing were opened up by replacing an elevated 4-foot culvert with a 10-foot fishway culvert. Several hundred acres of beaver ponds and wetland habitat were opened to access with the barrier culvert removal. During the fall surveys adult Coho and Steelhead were observed entering the stream. This culvert has accomplished the goal of passing fish.

Long Live the Kings

Long Live the Kings has been working closely with local timber companies on fish needs within the watershed. Production numbers for the past year are: 57,000 Chinook; 200,000 Chum; and 350,000 Coho. Chum and Coho were released in March of 2003, and Chinook were released in June. Adult returns were good in the fall. More Chinook eggs were taken this year than in the past 5 years. Nutrient enhancement was done in all of the off-channel ponds. This consisted of over 100,000 pounds of carcasses throughout the year. Volunteer hours for this project were over 1,600.

Mooney Creek Culvert Replacement

This project opened up 8 miles of extensive habitat for spawning, rearing and overwintering of Coho, Chinook, Chum, Steelhead and Cutthroat trout by replacing two 4-foot culverts with a 22-foot culvert. This

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is the first of three years of monitoring for the Mooney Creek Culvert Replacement. The culvert is easily passing adult fish and all the species mentioned above have been observed passing through during the fall months. A local resident who is retired and lives in the area visits the project site every day sighting dozens of fish passing through and hanging out in the project location each day. On a random trip to the project site in December, the Project Coordinator observed a large female Chinook (15lbs.) passing through the culvert.

Muller Satsop Springs

The 2002 releases of approximately 40,000 zero age smolt went as planned. Low flows resulted in the major portion of the Chinook run remaining in tide water until late November. Despite the low flows the project captured enough adults for the permitted 360,000 egg take and enough Chum adults for a 120,000 egg take. The project released 450,000 Coho smolt; 300,000 Chinook smolt; and 200,000 Chum. Starting in March, 600 adult Steelhead were reconditioned and transported to be released in Vance Creek Ponds, Aberdeen Lake, and Sylvia Lake. In addition, the project reared and released trophy rainbow trout into local lakes. A juvenile passage was maintained to allow access to 3 acres of additional overwintering ponds, and continuing improvements to the fish ladder allowed for 2 acres of additional overwintering ponds at the southern entrance to the facility. With these improvements nearly 8 acres of overwintering habitat is now available to wild salmonid use during times of high flows. Volunteer hours for this project were over 3,000.

Remund Fencing and Revegetation

This project originally addressed sedimentation and water temperatures on Lincoln Creek, and completed 34,000 feet of streamside livestock fencing stream revegetation and four livestock hard crossings. Monitoring of this project revealed that the previous design of the hard crossings had failed. An agreement was made with the landowner to correct one hard crossing. Currently the newly installed hard crossing is functioning properly.

Satsop Steelhead Broodstocking Project

The Satsop Steelhead Broodstocking Project released 60,000 winter Steelhead smolts, plus 80,000 Steelhead juveniles into the east fork of the Satsop River and Decker Creek. This year they were not successful at taking 110 adults (were a few fish short). The egg take was 185,000 green eggs. Volunteer hours for this project were 2,900.

Singer Creek Culvert Replacement

This culvert replacement replaced a 5 feet in diameter elevated culvert with a 12 feet in diameter pipe arch. It opened 3.5 miles of habitat for Coho and Cutthroat trout. The lower portions below the culvert have had Chum and Chinook. The opening of this has been extremely successful with adults numbering in the hundreds and thousands of juveniles rearing during the spring and summer months.

Spalding Creek Culvert Replacement

This project opened up over 2 miles of habitat for Cutthroat trout and Coho salmon by replacing a 4-foot culvert with a 13-foot culvert. The design of the culvert with weirs maintained a large wetland complex for Coho rearing.

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

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Steelhead Creek Culvert Replacement

Steelhead Creek Culvert Replacement opened up 3 miles of habitat for Coho, Chum, Steelhead, and Cutthroat trout by replacing a 30-inch culvert with a 7-foot culvert. This is the first of three years of monitoring for the Steelhead Creek Culvert Replacement Project. This year's results indicate that adult Coho and juveniles are now utilizing the habitat that was once blocked.



Unnamed Creek project before construction.



Unnamed Creek project after construction.

Unnamed Creek Culvert Replacement

This project opened up over 4 miles of stream habitat for Coho, Cutthroat trout, Steelhead and Chum by replacing a 4-foot culvert with a 16-foot diameter pipe. The stream below the culvert is no longer scoured to bedrock. Gravel recruitment from the streambed above the new culvert has provided spawning gravels in this vicinity. Available spawning habitat has increased from the new culvert to the river floodplain, roughly $\frac{1}{2}$ mile. The amount of spawning activity has increased dramatically in the lower portion of the stream as compared to previous years. The culvert appears to be passing good numbers of adult fish upstream. Redds were observed within the culvert. The amount of spawning activity above the new culvert in the 1 mile index reach is greater than the 1 mile reach below the culvert. This barrier removal project is a tremendous success.

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

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PROJECT EXPENDITURES: JULY 1, 2002 – JUNE 30, 2003

Project Name	RFEF Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
Administration	\$29,525.00	1676	\$ 20,950.00	\$ 6,230.00	\$ 56,705.00
Carlisle Project	\$ 1,550.00	1609	\$20,112.50	\$ 851.00	\$ 22,513.50
Creamers Smolt	\$ 4,864.00	0	\$ 0.00	\$ 0.00	\$ 4,864.00
EDT	\$45,783.00	0	\$ 0.00	\$52,086.00	\$ 97,869.00
Kennemer Creek	\$ 0.00	0	\$ 0.00	\$88,565.00	\$ 88,565.00
Long Live the Kings	\$ 7,917.00	1511	\$ 18,887.50	\$14,323.00	\$ 41,127.50
Mooney Creek	\$ 0.00	0	\$ 0.00	\$228,899.00	\$ 228,899.00
Muller Satsop Springs ALEA	\$22,652.00	0	\$ 0.00	\$ 0.00	\$ 22,652.00
Muller Satsop Springs Egg & Carcass	\$13,537.00	0	\$ 0.00	\$ 0.00	\$ 13,537.00
Muller Satsop Springs	\$ 8,586.00	2488.75	\$ 31,109.38	\$ 31,011.00	\$ 70,706.38
Remund	\$ 2,741.00	0	\$ 0.00	\$ 3318.00	\$ 6,059.00
Satsop Steelhead Broodstocking	\$ 0.00	3405	\$ 42,562.50	\$ 2,469.00	\$ 45,031.50
Singer Creek	\$ 0.00	0	\$ 0.00	\$ 1,799.00	\$ 1,799.00
Spalding Creek	\$ 0.00	0	\$ 0.00	\$21,213.00	\$ 21,213.00
Steelhead Creek	\$ 0.00	0	\$ 0.00	\$41,941.00	\$ 41,941.00
Unnamed Creek	\$ 0.00	0	\$ 0.00	\$ 1,725.00	\$ 1,725.00
Totals	\$137,155.00	10689.75	\$133,621.88	\$494,430.00	\$631,585.00

REGION 9 – CHEHALIS BASIN FISHERIES TASK FORCE

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

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REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

S U M M A R Y :

For the year 2002, we completed three stream habitat projects and the design for a fourth stream habitat project. We completed a Habitat Assessment for the Nemah and Naselle watersheds, and up dated our Strategic plan. We have prepared 11 proposals for funding for projects in 2002 and 2003, received notification of awards for two, the other applications are still pending. We have also completed four Habitat Assessments for new projects. We have planted about 20,000 salmon carcasses for our nutrient enhancement program at 35 sites. We will be planting over 1,000,000 salmon eggs, fry, and brood stock in 23 sites in Willapa Bay. This year we spent \$63,911 of our Regional Enhancement funds, which leveraged an additional \$565,372. This is factor of 8.8. Our administrative costs were 4.7%. We have maintained the leverage ratio of 9.0 for the last four years, and our administrative expenses varies between 3.4 to 7.5%. Our grant requests for next year is a total of 657,773. Our many volunteers, contributed over 2,200 hrs. or \$100,000.

E D U C A T I O N - C O M M U N I T Y O U T R E A C H :

We continue to work with the South Bend School District with their monitoring of our Stream enhancement programs. Two students built our WebPages which has a link to our monitoring data. Two Boy Scouts, Edward Penoyar and Nick Fosse received Eagle Scout awards for their part in restoring Mill Pond Creek. Their Boy Scout Troop received a National award for the Mill Pond Creek Project. We are jointly developing a educational Trail system through a 125 Acre Estuary with Washington State Fish and Wildlife Department, City of South Bend, Pacific County, and Washington State Department of Transportation. This Trail system will be a part of our vision of a complex which includes a restored salmon stream, and a boat launch.

Volunteers continue to be a major part of our programs, contributing over 2,200 hrs.

N U T R I E N T E N H A N C E M E N T P R O G R A M

We continued our nutrient enhancement program by planting over 20,000 salmon carcasses at our 35 sites in Willapa Bay. This project is very important to newly restored streams to assure juvenile salmon survival.

Fish Enhancement

The has been a general improvement in the working relationship between our organization and Washington Department of Fish and Wildlife. We have been able to work with the new Region 6 Manager, and the Fisheries Regional Enhancement Group personnel. We have already resolved some egg allocation issues, and are working on a overall salmon recovery for Chum salmon in the Willapa Bay.

Projects Highlighted

Volunteers preparing fish carcasses for distribution. It is necessary to cut the tail from the salmon carcasses we plant to avoid any confusion with the naturally spawning salmon. We obtain salmon carcasses from the three hatcheries in the Willapa Bay we place over 20,000 carcasses each year at 35 sites.

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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Honey Creek Project:

The photo to the right shows the Honey Creek blocking culvert. This culvert was blocking about 3.1 miles of spawning and rearing habitat. This was a old wood culvert that was only 70 inches in diameter, very under-sized. We replaced with a 18 ft diameter culvert that will allow all Salmonids to pass.

Green Creek

The Green Creek, project had two blocking culvert, which were blocking 4.5 miles of spawning and rearing habitat. There were also about 2,400 ft of downstream and up-stream habitat that was in need of restoration. We were able to replace the 6 ft Green Creek culvert with a 12 ft culvert, and restore about 1,500 ft of the down-stream channel. The BPA culvert was 36 in culvert which was replaced with a 6ft culvert.

Mid-Trap Creek Steam Enhancement Project

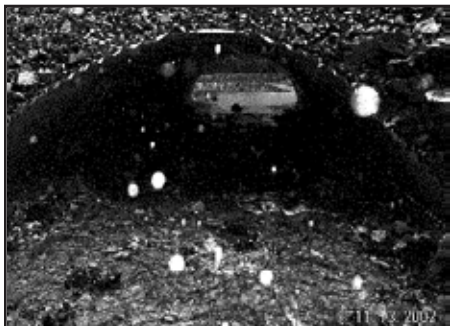
In partnership with Weyerhaeuser we completed restoration of about 1.0 miles of this stream by placement of LWD to recruit and retain gravel to improve spawning habitat for salmon. This stream provided a design challenge because of the high energy of the stream. The Designer, The Watershed Co, developed a complete survey of the stream, and established LWD placement that has resulted in gravel to be recruited and retained. There was also a major construction challenge, which required all LWD be moved into place by the "high line" method, as no equipment was allowed in the stream. NDC Timber was able to accomplish the placement of the LWD on time and under the budget.



BPA Blocking Culvert



Oxbow Creek blocking culverts



New Honey Creek culvert



Stinger Creek blocking culvert

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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Project	Location	Improvements
Green Creek	Green Creek, Willapa Valley	Replaced blocking culvert and developed 1,500 ft of new channel, opens 3.5 miles to spawning and rearing
BPA Culvert	Willapa Valley, small creek within the BPA power line right away	Replaced blocking culvert, improved about 900 feet of up stream and down stream adquarters Stream
Restoration	Willapa Refuge	Removed tide gate, removed blocking dam, restored stream. Planted Chum salmon (1997), salmon returned this year to spawn first time in 61 years.
Honey Creek	Honey Creek, tributary to Salmon Creek, in the Naselle watershed	Replaced a blocking culvert, opened about 3.1 miles of stream to spawning and rearing
Stringer Creek	Stringer Creek, in the Willapa Valley, tributary to Willapa River	Design comp. blocking culvert/fish ladder This will open 4.5 miles to spawning and rearing, design complete construction to start June 2003.
Bear Creek	Elk Prairie RD	Repaired Storm Damage
Mid-Trap Creek	Trap Creek, located in Willapa Valley, tributary to Willapa River	Restored about 1.0 mile of stream by installing LWD to recruit and retain gravel.
125 acre South Bend Estuary	City of South Bend	Provides for education and public outreach, developing a trail system in partnership with WDFW, City of South Bend, Pacific County, WSDOT.
South Bend Mill Pond Creek	City of South Bend	Restored a salmon stream that has been blocked for 120 years. Community project restores spawning for Chum salmon. Installed Kiosk, fencing, and plantings.
Finn Creek	North Nemah Watershed	Project for 2003, will restore about 3,200 ft of stream
Butte Creek	City of Raymond	Restores about 4300 feet of stream for spawning and rearing
Mid-Trap Creek	Mid-Nemah watershed	Project for 2003, restores about 2,400 ft of stream
Salmon Creek	Naselle Watershed	Project for 2003, restores about 6,500 ft of Salmon Creek
Nemah/Naselle Assessment	Pacific County	Completed a Assessment of these too major watersheds to obtain data to propose future restoration projects.
Oxbow Creek	Willapa Valley	Project for 2003 will replace two sets of blocking culverts and open over 5.0 miles of habitat to spawning and rearing.
Palix watershed assessment	Palix Watershed	Project for 2003, will make an assessment of this watershed to develop a prioritized projects list for future projects
Willapa watershed	Willapa Watershed	Project for 2003, will make an assessment of this watershed to develop a prioritized projects list for future projects.

REGION 10 – WILLAPA BAY FISHERIES ENHANCEMENT GROUP

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REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

The mission of the Lower Columbia RFEG is to restore salmon runs in the lower Columbia River region through habitat restoration, education and outreach, and developing regional and local partnerships.

PROGRAM SUMMARY

The lower Columbia River region is vast, covering all or parts of Skamania, Clark, Cowlitz, Lewis, Wahkiakum, and Pacific Counties. Our region covers WRIA's 25 through 28, extending from Bonneville Dam down the Columbia River to the Pacific ocean. The major tributaries are the Cowlitz and Lewis River watersheds, both of which have extensive hydroelectric development. The Washougal, Kalama, Grays and Elochomin River watersheds round out the remainder of our primary salmon producing watersheds.

Because each of these watersheds contains at least one salmon hatchery, the Lower Columbia RFEG is focusing on projects that benefit wild salmon production. The fish habitat in the region has been severely degraded by urban/ industrial development, timber harvest, road building, diking and drainage, railroads, and a host of other activities. We are working closely with WDFW's habitat and fish program managers, USFS biologists, USGS scientists, local governments, private landowners, conservation districts and the Lead Entity (LE) to identify priority habitat restoration projects.

With the retirement and departure of our previous president and guiding light, Jim Stolarzyk, LCFEG has been working towards building a better relationship with WDFW, the LE and the Salmon Recovery Funding Board (SRFB). This was made possible by a grant we received from SRFB and the National Fish and Wildlife Foundation in 2002. We are currently in a re-building mode and are assessing where we want to be when the recovery planning process is completed. We hope to position ourselves to take advantage of the projects that will be identified through the recovery planning process, thereby providing us a sense of surety that projects we develop will be funded by the SRFB.

Besides writing grants and coordinating recovery efforts with the many stakeholders in the region, we have also begun building a closer relationship with WDFW's Region 5 Habitat and Fish Program managers. We have met several times with the managers to discuss our thoughts regarding changes to hatchery management, broodstock selection, nutrient enhancement, harvest opportunities and habitat restoration techniques. These meetings have created a level of trust between our organizations that has been missing for some time due to a lack of coordination on our part.

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

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Our understanding of regional watershed conditions and species interactions has increased dramatically due to staff's ability to conduct literature research and provide interpretation that ties the various local planning documents together into a coherent picture. We have developed three short-term goals we believe are critically important for successful salmon recovery in our region.

These goals are-

1. to ensure there is a adequate food supply (nutrients) available in each watershed to support increased juvenile salmon production,
2. to ensure the correct fish stocks are used in each watershed so our habitat restoration efforts reach their full potential, and
3. to ensure the correct type of habitat restoration occurs in each watershed

In order to achieve these goals we are providing comments to the HGMP process, watershed planning process and recovery planning process. We have hired the best scientists in their field to give presentations on topics we feel are crucial for salmon recovery, such as nutrient enhancement. We provide WDFW managers, LE staff and other stakeholder groups with salmon based research data and peer reviewed documents as support for our arguments which are intended to create the necessary framework for successful salmon recovery in our region.

PROJECT HIGHLIGHTS

NUTRIENT ASSESSMENT- WIND, WASHOUGAL and LEWIS RIVER WATERSHEDS

This project is funded by the South Gifford Pinchot Resource Advisory Committee with local funds provided by LCFEG and Fish First. The project is being implemented by the U.S. Geological Survey under the supervision of Dr. Matthew Mesa. The results of this assessment will allow us to craft a nutrient enhancement plan for each watershed that will be permitted by WADOE. We felt it was critically important to have the best scientists available do the assessment because the permitting agencies believe adding anything to the water is inherently bad for water quality.

Because salmon carcasses are rare in the wild due to chronically low natural spawning, carcasses used for nutrient enhancement must come from hatcheries. The use of alternative nutrient delivery methods must be employed simply because salmon carcasses are rare and have diseases, constraining the placement of nutrients on a regional scale. The current alternatives are in-organic slow release nutrient briquettes formulated to site specific water quality conditions, and a new product called carcass analogs. These alternatives need WADOE's approval prior to placement, hence the USGS's involvement.

The South Gifford Pinchot RAC recently approved an additional \$150,000 for nutrient enhancement implementation based on the results of the nearly completed assessment. We also received \$48,000.00 from our Lead Entity to purchase supplies and equipment for implementation. USGS will prepare the nutrient enhancement plans to submit for WADOE permits and continue to supervise the project to maintain continuity and assurance of success.

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

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SCHOOLHOUSE CREEK

This project is actually a series of independent restoration activities on a small, low gradient tributary of the Washougal River. The project is centered around the 100 acres owned by the Washougal School District through which several small streams, springs and wetlands transit the property. Project partners for the 2002/03 phase include People For Salmon, NFWF, Trout Unlimited, Clark-Skamania Fly Fishers, Skamania County and Camas-Washougal Wildlife League.

In 2002/ 03, we constructed 1,300 LF of spawning and rearing habitat and approximately 10,000 square feet of ponded off-channel rearing habitat, removed a fish passage barrier, removed three acres of non-native vegetation and began planting native plants. Rather than allow gradual colonization of the watershed by adult hatchery coho strays or planting eggs/ fry, we worked with WDFW to transplant 360 adult coho into the creek from the local hatchery to "force" abundance back into the watershed. This has made an astounding difference in the biological diversity at the site that has benefitted multiple species, both terrestrial and aquatic. The mass spawning cleaned the mud out of the creek, creating better egg survival and additional space for macro-invertebrates to develop. The carcasses from the spawned out coho added nutrients to the water and flesh for direct consumption by the resident cutthroat. Today, even though a large number of the juvenile coho have emigrated downstream to find more rearing space in the Washougal River, this tiny creek has more juvenile coho present per square foot than anywhere else in the watershed. This project is on-going.



GRAYS RIVER FISH PASSAGE- NIKKA and THADBAR CREEKS

This project was a partnership with the Cowlitz-Wahkiakum Conservation Districts, Wahkiakum County and WDFW that resulted in the replacement of two fish passage barriers in the Grays River watershed.

Approximately 4,000 LF of stream channel on Nikka creek and 9,204 LF of stream channel on Thadbar creek were opened for coho, chum and sea-run cutthroat trout usage. Large wood was placed in the stream to form pools, sort sediment and provide cover. Riparian plantings were made to shade the water, reduce erosion and provide future recruitment of large wood.

CAMPEN CREEK FISH PASSAGE

This project was a partnership with a private landowner and USFWS to replace a fish passage barrier on a tributary to the Columbia River. The project restored access to approximately 5,000 LF of stream for coho, steelhead and cutthroat trout. The new culvert is a 12' bottomless arch.

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

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NUTRIENT ENHANCEMENT

This project provides the best bang for the buck by providing volunteers a fun, hands-on experience in the late Fall to early Winter time frame when not much else is happening. This project allows us to educate the school kids and adults who help us place the salmon carcasses on why its important to fish. They also get to see parts of the watershed usually locked behind gates or off the beaten path. Because this project takes several months to complete each year, the volunteers usually get to see the results of the previous weeks' carcass placement. A variety of birds, insects and land mammals feast on the free food source, not to mention the juvenile salmonids! Note our new trailer for placing large quantities of carcasses, we also use dumptrucks! LCFEG placed over 18,000 in Washougal River and expect at least that many this year.

SOUTH FORK TOUTLE ACCLIMATION POND

This project was a partnership with Cowlitz Game and Anglers to modernize an existing acclimation pond on the South Fork Toutle River. The acclimation pond is currently used to rear Skamania strain summer steelhead for a locally popular sport harvest fishery. This pond may support salmon recovery efforts in the future by acclimating indigenous South Fork Toutle salmon and steelhead broodstocks.

GRAYS RIVER WATERSHED: NIKKA/ THADBAR FISH PASSAGE

This project was a partnership between us, Cowlitz-Wahkiakum Conservation District and Wahkiakum County public works. The project replaced two fish passage barriers and opened over two miles of good quality habitat to anadromous fish. The conservation district is putting together additional projects in the streams to increase large wood accumulations to create better rearing conditions for juvenile salmon.

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

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Project Name	RFEF Funds	Volunteer Hours	Vol. Dollars	Other Funds	Total Spen
Schoolhouse Cr. Riparian	\$17,625.00	150	\$ 1,875.00	\$ 44,835.00	\$ 64,485.00
Campen Cr. Fish Passage	\$15,996.00	44	\$ 550.00	\$ 10,424.50	\$ 27,014.50
Grays Rvr. Fish Passage	\$25,000.00	52	\$ 650.00	\$ 78,797.04	\$ 104,499.04
Nutrient Assessment	\$ 1,550.00	32	\$ 400.00	\$ 36,660.00	\$ 38,642.00
S. Fk. Toutle acclimation pond	\$10,065.00	425	\$ 5,312.00	\$ 10,197.00	\$ 15,934.00
WDFW Co-op grant	\$ 2,385.00		\$4,500.00	\$ 6,885.00	
Larson Creek Fish Passage		56	\$ 1,565.00	\$ 1,500.00	\$ 3,121.00
Archer/ Goodbear		6	\$ 75.00	\$ 3,330.00	\$ 3,411.00
GENERIC PROJECTS					
Project Design	\$ 6,118.00	90	\$ 1,125.00	\$ 5,011.00	\$ 12,344.00
Nutrient Enhancement		66	\$ 825.00	\$ 6,636.00	\$ 7,527.00
RFEF Administration	\$ 2,072.00	20	\$ 250.00	\$ 10,000.00	\$ 12,342.00
Education and Outreach			\$ 3,985.00	\$ 3,985.00	
Plant Materials	\$ 580.00			\$ 660.00	\$ 1,240.00
Monitoring			\$ 2,300.00	\$ 2,300.00	
LCFEG staff	\$ 4,352.00	120	\$ 1,500.00	\$ 32,676.00	\$ 34,296.00
Total	\$85,743.00	1061	\$ 14,127.00	\$251,511.54	\$ 338,025.54

REGION 11 – LOWER COLUMBIA FISHERIES ENHANCEMENT GROUP

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BOARD OF DIRECTORS

Sam Giese, President, engineer
Harry Barber, Vice President, retired paper mill manager
Hal Mahnke, Secretary-Treasurer, retired state police
Ted Farnsworth, retired commercial fisher
Richard Kennon, retired fire department
Irene Martin, minister and author
Tammy Mackey, fish biologist
Carl Larson, retired dairyman
Jim Stolarzyk, past president

Tony Meyer, Program Coordinator
Donna Hale, WDFW watershed steward
Gary Wade, LE liason

SOME OF OUR OUTSTANDING 2002/ 2003 PARTNERS!

South Gifford Pinchot Resource Advisory Committee
Lower Columbia Fish Recovery Board
National Fish and Wildlife Foundation
USFWS, WDFW, USGS and USFS
Salmon Recovery Funding Board
Camas-Washougal Wildlife League
Casey Meyer, private landowner
Cowlitz Conservation District
Clark-Skamania Fly Fishers
Cowlitz Game and Anglers
Washougal School District
Clark Public Utilities
Wahkiakum County
People For Salmon
Skamania County
Verizon N.W.
Clark County
Fish First!



REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT:

The Mid-Columbia Fisheries Enhancement Group's mission is to restore self-sustaining salmonid populations through habitat preservation, enhancement and education projects which assist landowners and promote community partnerships in the mid-Columbia region.

MCFEG OVERVIEW:

In September, Mid-Columbia Fisheries Enhancement Group hired a full-time independent contractor to perform project coordination, grant development, financial management and outreach/education. MCFEG has mainly focused on the development and implementation of habitat enhancement projects. More recently, MCFEG has been developing community-based education/outreach projects (to be reported on in 2003-2004).

PROJECT HIGHLIGHTS:

Blockhouse Springs-Enderby Project

Baseline Conditions:

The Blockhouse Creek-Enderby project is located in central Klickitat County. The Little Klickitat River watershed drains over 290 square miles of primarily agricultural and range land, ponderosa pine/white oak transitional forests, and remnant wetlands. Blockhouse Creek feeds into the Little Klickitat River at river mile six, a waterfall area. Below the Little Klickitat River waterfall, steelhead trout and chinook salmon spawn. Blockhouse Creek is on the Department of Ecology's 303d water quality list. Bank degradation from grazing has resulted in increased sedimentation downstream. There is also a lack of riparian vegetation which could affect water temperatures (see photo 1).



East on Blockhouse Creek-Enderby Project
PRE-CONSTRUCTION 6/04/03



POST-CONSTRUCTION 7/16/03

Project Description: The goal of the Blockhouse Springs/Enderby project are to restore good water quality providing habitat benefits for spawning anadromous fish species downstream in the Little Klickitat River. Phase one of the project was completed in June 2003. This consisted of excavating the channel to reduce the sediment load. Filling and creating a buffer bench on the south side of the creek to provide bank stability. An existing culvert was replaced (see photo) and roof drains were constructed on the barn to control rainwater run off. Lastly, a weir was constructed around the new irrigation pump.

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Phase two of the project will be to construct exclusionary fencing around the spring and along an estimated $\frac{1}{2}$ mile of the creek (see photo 1); this is planned for July 2003. Fencing consists of standard wood posts and barbed wire design. The re-establishment of native vegetation such as willow, cottonwood and red osier dogwood; is planned for spring 2004.



Blockhouse Springs 6/14/03 Pre-Construction



Blockhouse Springs 7/16/03 Post-Construction

Project Partners: JP and Linda Enderby own a sheep farm on the project site. Water from Blockhouse Creek is used in pasture production on the project site. I met with JP Enderby after the first phase of construction who said that he was happy with the project and that he's seen 15 inch resident trout in the creek since construction began. Central Klickitat Conservation District provided the project design, engineering, project implementation and oversight. Mid-Columbia Fisheries Enhancement Group provided project inception, permit and funding development, funding for native plants, project reporting and monitoring. U.S. Fish and Wildlife Partners provided project funding for the construction and in-stream work.

Lmuma Creek Restoration

Baseline Conditions: Lmuma Creek is one of two year-round creeks in the Yakima River Canyon. The creek feeds into the Yakima River which has wild chinook and wild steelhead trout species; both of which are "depressed or declining" (SASSI, 1996). The creek had been grazed by cattle for over 80 years and was completely void of riparian vegetation and the bank degradation has potential to increase the sediment load downstream.

Project Description: The construction of 2 miles of cattle exclusionary fencing along the lower end of Lmuma Creek along with three cross fences was completed in spring 2003. $\frac{1}{2}$ mile of electric fence was purchased for the landowner to be installed in the fall when his cattle are in pasture. 6 large rootwads were strategically placed in the creek to provide bank stability and hiding refugia. The construction of the off-channel watering facilities was completed this spring by developing a ground seep into a gravity feed tile. Some of the re-vegetation work was completed this spring and the landowner provided irrigation. Cottonwood trees specifically propagated for this project will be installed fall 2003.

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These objectives should provide a restored riparian function while stabilizing the banks; thus lowering the potential for an increased sediment load downstream, while providing rearing habitat for salmonid species.

Project Partners: Jack Eaton, landowner, has been happy with the work completed thus far and thinks the NWSA crew is doing a fine job. Mr. Eaton also granted the ability to place signs on the project site to promote education and awareness about the project. The Northwest Service Academy (NWSA) will perform the labor with assistance from the landowners and WDFW technical staff. Funding for this project came from the Salmon Recovery Funding Board \$35,000; MCFEG \$18,000 and landowner \$2,000.00.



Lmuma Creek Pre-treatment Fall 2001 (Void of vegetation, post cattle grazing)



Lmuma Creek Post-treatment Spring 2003 (Rootwads, fencing, native re-vegetation)

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES JULY 1, 2002-JUNE 30, 2003

Project Name	RFEF Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent	Project Partners
Presher Springs	\$ 6,331	600	\$ 7,500	\$ 3,000	\$ 16,831	Central Klickitat Conservation District
Plants for Stream Restoration	\$ 576	60	\$750.00	\$ 0	\$ 1,326	Rainshadow Nursery
Dart Fish Restoration	\$ 6,697	100	\$ 1,250	\$ 1,000	\$ 8,947	WDFW, Johnson Associates
Habitat Project Maintenance	\$ 5,400	340	\$ 4,250	\$ 0	\$ 9,650	Northwest Service Academy
Harriman Habitat Restoration	\$ 4,900	0	\$	\$ 0	\$ 0	Landowner
Buckskin Slough Restoration	\$ 600	25	\$ 313	\$ 100	\$ 1,013	Northwest Service Academy
Yakima County Corrections	\$ 407	1656	\$20,700	\$ 100	\$ 21,207	City of Yakima
Boone Channel	\$ 2,396	0	\$ 0	\$ 0	\$ 2,396	Phil Hess Associates, WDFW
Chapman Creek II Fencing	\$ 16,200	800	\$10,000	\$ 1,000	\$ 27,200	Landowner, Northwest Service Academy
Schuster Fencing	\$ 300	100	\$ 1,250	\$ 0	\$ 1,550	Landowner
Project Administration	\$ 4,324	12	\$ 150	\$ 0	\$ 4,474	Rural Resource Associates
Wide Hallow Creek Planting	\$ 1,081	200	\$ 2,500	\$ 0	\$ 3,581	WDFW
Website Development	\$ 100	0	\$ 0	\$ 0	\$ 100	Vanessa Dunn, Yakima-Herald News
Upper Rattlesnake Ck. Snyder Ck	\$ 7,391	20	\$ 250	\$ 2,000	\$ 9,641	Underwood Conservation District
Lmuma Creek Restoration	\$ 2,135	2000	\$25,000	\$ 37,000	\$ 64,135	NWSA, Landowner, SRFB
Project Coordinator	\$ 13,297	100	\$ 1,250	\$ 20,000	\$ 34,547	Elizabeth K. Kinne, Sole Proprietorship
TOTALS	\$ 72,136	6013 hrs.	\$75,163	\$ 64,200	211,498	

REGION 12 – MID COLUMBIA FISHERIES ENHANCEMENT GROUP

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BOARD OF DIRECTORS:

Glen Miller
Kim Hubner
Jim Maine
Don Wilton

EXECUTIVE DIRECTOR:

Elizabeth Kinne

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REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

THE MISSION STATEMENT:

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:

The Tri-State Steelheaders has been actively involved in salmonid habitat restoration since being organized during the mid-1960's. The group was granted 501 (c) 3 status by Washington State in 1989 and made a regional fisheries enhancement group in December, 2000.

Tri-State Steelheaders engages in salmonid habitat restoration projects in WRIA 32, and 35. These projects include both in-stream and riparian habitat enhancement as well as community outreach and education projects. Creating partnerships with landowners, government agencies, and other conservation organizations is of paramount importance to the Tri-State Steelheaders.

During the 2002/2003 fiscal year the Tri-State Steelheaders participated in nine habitat restoration and ten educational/community outreach projects. A total of 1,534 adults and students participated in Tri-State Steelheaders sponsored educational/community outreach projects.

PROJECT HIGHLIGHTS:

Enhanced Stream Flow Gauging

Working under contract with Walla Walla County and Washington State Department of Ecology, the Tri-State Steelheaders monitored water flow at 14 stream locations in Columbia and Walla Walla counties (WRIA 32) during the past fiscal year. This project significantly improved the state of knowledge regarding stream flows across the watershed.



Data was gathered from eight stations with continuous (water flow) stage height recorders and six stations with (water flow) staff gauges were monitored at locations on the upper and lower Touchet River, Dry Creek, Coppei Creek, Mill Creek and the Walla Walla River. Tri-State Steelheaders technicians visited the stations weekly to take measurements and conduct needed maintenance. They also conducted a total 98 stream cross sections at the fourteen sites. These cross sections measured water flow volume at each site during different seasons of the year.

Data collected were provided to WDOE and used to construct flow curves reporting the water flow volume at each site on a year round basis. Flows information from the various sites may be viewed in near-real time at the Department of Ecology website, www.ecy.wa.gov. This stream flow data is used by fish managers, irrigators, and watershed stakeholders to help guide steelhead and salmon recovery and watershed planning efforts.



REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

South Fork of Coppei Creek Conservation Easement and Habitat Restoration Project

On November 11, 2002 long time conservationists Jim and Geraine Hansen joined with Tri-State Steelheaders' President Larry Zalaznik in formally signing a conservation easement permanently preserving critical steelhead habitat on their South Fork of Coppei Creek Ranch. The easement prohibits development, livestock grazing, logging, and commercial farming on 279 acres of land bordering critical cold water tributaries to the South Fork of Coppei Creek. These cold water tributaries are essential to survival by the ESA listed steelhead spawning and rearing in the stream. The conservation easement was funded by a Salmon Recovery Funding Board grant.

During the past year the Tri-State Steelheaders conducted extensive plant, photo, and stream flow monitoring activity on the easement property. Survival of plants in previously completed habitat restoration plantings on the easement was judged very good. Now in their second year, the plants showed considerable vigor. Photo monitoring revealed visible habitat changes as former cow pastures began the conversion to streamside vegetation buffers. Two staff gauges, at the upstream and downstream ends of the easement, were used to measure stream flow, and a total of seven water temperature monitors were placed on the South Fork of Coppei Creek and four tributary streams. Tri-State Steelheaders technicians conducted weekly visits to the easement property to record data.

COMMUNITY OUTREACH AND EDUCATION

Spreading the message of salmon and steelhead restoration has been an important goal of the Tri-State Steelheaders for nearly forty years. Among the diverse activities the Tri-State Steelheaders organized last year were a community wide celebration of salmon and steelhead that drew more than 400 participants, a water quality monitoring program involving 252 middle school, high school and community college students, and conservation classes in Spanish language for both adults and children. Altogether a total of 1,534 adults and kids devoted 2,456 hours to volunteer restoration work or educational programs devoted to salmon and steelhead.

Tri-State Steelheaders project partners July 1, 2002 – June 30, 2003: City of College Place, College Place Firefighters Association, Wal-Mart, Hook N' More Sports, Wild West Riparian, Royse Hydroseeding, Walla Walla College, Whitman College, Walla Walla Community College, Gardena Farms Irrigation District, National Fish and Wildlife Foundation, NRCS, FSA, Walla Walla Watershed Council, Walla Walla County Conservation District, Asotin High School, Clarkston High School, Waitsburg High School, Burbank High School, Walla Walla High School, DeSales Catholic High School, School District 140 Opportunity Program, Garrison Middle School, Pioneer Middle School, Berney Elementary School, Confederated Tribes of the Umatilla Indian Reservation, Washington Department of Fish and Wildlife, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, U.S. Forest Service, Walla Walla BPOE, Pepsi-Cola of Walla Walla, City of Walla Walla Housing Authority, Walla Walla YMCA, Walla Walla County, Washington Department of Ecology, Washington Salmon Recovery Funding Board, NOAA fisheries, Troop 312 BSA, C.A.S.T. For Kids Foundation, and more than 60 local and regional businesses that supported the Tri-State Steelheaders' projects.



EXECUTIVE SUMMARY

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

PROJECT EXPENDITURES JULY 1, 2002 - JUNE 30, 2003

Project Name	RFEG Funds	Vol Hours	Vol Dollars	Other Funds	Total Spent
1) Community Outreach and Education	\$ 12,297	760.5	\$ 9,506	\$ 35,140	\$ 56,943
2) Yellowhawk Creek Steelhead Counting Station	\$ 46	64	\$ 800	\$ 498	\$ 1,344
3) Yellowhawk Creek Fish Passage Barrier Assesment	\$ 98	66	\$ 825	\$ 388	\$ 1,311
4) Lower Walla Walla River Riparian Buffer Revegetation	\$ 3,474	145	\$ 1,813	\$ 6,744	\$ 12,301
5) South Fork Coppei Creek Conservation Easement and Riparian Habitat Restoration	\$ 269	5	\$ 63	\$ 205,340	\$ 205,672
6) Coppei Creek Eagle Scout I nterpretive Signing Project	\$ 124	153	\$ 1,913	\$ 410	\$ 2,447
7) Project Success Monitoring	\$ 3,691	1,008	\$ 12,600	\$ 7,668	\$ 23,959
8) Four Schools Riparian and In-stream Habitat Restoration Project	\$ 124	148	\$ 1,850	\$ 795	\$ 2,769
9) Walla Walla River Riparian Areas Clean-up	\$ 176	98	\$ 1,225	\$ 562	\$ 1,963
10) Walla Walla River Enhanced Flows and Temperature Monitoring	\$ 4,257	0	\$ 0	\$ 64,480	\$ 68,737
11) Assist CTUIR Walla Walla River Watershed Steelhead Telemetry Study	\$ 26	9	\$ 113	\$ 14,986	\$ 15,125
12) Administration	\$ 7,796	0	\$ 0	\$ 5,569	\$ 13,365
TOTALS	\$31,719	2456.5	\$30,713	\$362,990	\$425,422

REGION 13 – TRI-STATE STEELHEADERS REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

OFFICERS :

Larry Zalaznik, Vice-President Banner Bank, President
Mike Loney, Coachman Body and Frame Service, Treasurer

DIRECTORS :

Bob Carson, Ph.D., Whitman College
Jerry Chavez, Retired Educator, Member Nez Perce Tribe
Paul Cilvik, Medical Technician
Jon Cole, Ph.D., Walla Walla College
Tom Harmon, Owner Coachman Body and Frame
Mark Jones, Optician
Jim Nestler, Ph.D., Walla Walla College
Ryan Reese, Student, Western Washington University
Fred Sporleder, Founder, Sporleder's Men's Wear

STAFF :

John Geidl, Executive Director
Steve Gwinn, Volunteer Coordinator
Cheryl Cockerline, Secretary
Brian Burns, Flow Monitoring Technician

CONTACT :

Tri-State Steelheaders, RFEG
216 N. Roosevelt
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REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

MISSION STATEMENT

The Upper Columbia Regional Fisheries Enhancement Group (Upper Columbia Group) works with willing landowners to protect good habitat and to facilitate and implement fish restoration projects. UCG 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.

UCG OVERVIEW

The UCG is an independent 501(c)(3) non-profit organization incorporated since 2000 which covers RFEF area #14 (Okanogan, Douglas, Chelan and Ferry Counties), and includes nine WRIA regions (numbers 44 through 52). The UCG Strategic Plan developed by our Board guides all our fisheries programming and projects, and includes the following categories: Regional Economic Development, Landowners, Agencies, Volunteers, Members, Restoration Projects, Facilitation, Public Information, Education, Accountability, Improving Social Climate, and Strategic Plan Implementation. UCG's major programmatic and project areas, further described below, include landowner networking, education and outreach, projects, and partnership development.

UCG's landowner networking occurs through regular contact with residents and businesses throughout Okanogan, Douglas, Chelan and Ferry Counties. Without this, UCG would not be able to develop or implement any initiatives due to public opinion in the region about salmon recovery. One of the many mechanisms for working with landowners that UCG has developed is its "Landowner Watershed Committee" Program, which provides support and facilitation for smaller, semi-formal groups of landowners interested in their respective tributaries, and involves multi-purpose watershed planning and a variety of processes as selected by the landowners. UCG has also developed an Interdisciplinary Science Team made of various government agency representatives to support both UCG projects and advise landowner committees and their processes.

UCG's education and outreach occurs through our events, programs and other opportunities as they arise. Examples of some of our education and outreach venues include the UCG-hosted Okanogan River Salmon Festivals, major fisheries conferences (UCG Salmon Summit, etc), community events such as garbage cleanups and creek awareness nights, interpretive signage and trail plans, plus other opportunities arising from our Landowner Watershed Committee program.

UCG undertakes a wide range of types projects because landowner opinion in this region demands flexibility in approach. To date UCG projects have included in-stream and riparian planting and fencing, biological and engineering assessments, employment of alternative stock-watering techniques, irrigation water source replacements, economic development of fisheries eco-tourism, watershed planning, school and community group projects, and more. Many initially field-only projects are used as a starting point for broader education and outreach, and vice versa. UCG education and outreach programs opportunistically capitalize on various projects, but we are currently developing standard volunteer monitoring and assessment program projects. UCG does not undertake carcass replacement as many areas of our regions have had stocks cut off by downstream dams. Hatchery programs are run by the Colville Confederated Tribes and other agencies who have their own nutrification programs.

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

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Government, science and community partners overlook the 'Similkameen Confluence Project' Area near Oroville WA, where over 10 miles of river being assessed and restored by UCG.

UCG has engaged in partnership development with a large number of both government and non-government organizations (too many to list by name here) in the course of delivering its programs and projects. UCG works with city, county, state, federal, tribal and Canadian governments, whose roles range by project to include: project partners, funders, scientific advise, field support, inter-coordination of parallel initiatives, and more. In addition to government organizations, strong key partnerships have been made with trails, land conservancy, water rights, economic development, and other types of non-profit organizations. UCG makes many presentations to other groups, examples of which are Okanogan Conservation District, Kiwanis, Cattleman's Associations, County Commissioners, Chambers of Commerce, Economic Alliance, and Tourism Councils.

UCG'S MAJOR ACCOMPLISHMENTS IN THE JULY 1, 2002 TO JUNE 30, 2003 FISCAL YEAR WERE:

- Implementation of Hancock Creek culvert replacement and irrigation point of diversion change project
- Acquisition of SRFB funding for, and initiation of, Phase I of the Okanogan Similkameen River Confluence Project
- Acquisition of NFWF funding for the Sinlahekin Creek Project
- Acquisition of funding for Bonaparte Creek community involvement projects and watershed planning
- First-time coordination of five Okanogan River Salmon Festivals in September / October
- Coordination of UCG Salmon Summit in November of 2002 (150 people attended)
- Presentations at major conferences, including: Northwest Salmon Recovery Conference, American Fisheries Society Conference, Okanogan Ecosystem Conference, Canadian Water Resource Association and more...
- Development of a Transboundary Community Network for the international Okanogan River Basin
- Development of concept and partnerships for International Salmon Center

In addition to paid staff time, the above progress has been made due to the efforts of our volunteer Board and others, who have contributed 1835 hours of time.

PROJECT SUMMARIES AND HIGHLIGHTS

The following are several featured projects of the UCG initiated in the July 2002-June 2003 fiscal year. Much effort during the year was spent developing working relationships and project concepts for subsequent follow-up in next fiscal. Although total budgets for these projects are accounted for in this year's report, projects marked with an asterisk (*) are ongoing into the next fiscal year. In these cases, the best estimates of time and costs by the end of the project are provided in these cases.

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

Regional Fisheries Enhancement Program / Annual Report for July 1, 2002 - June 30, 2003

Project Name	Project Type and Components	Status / Results achieved
UCG Administration	Type: Organizational management	Status: Completed -reporting to Board and all funders -financial audits -management procedures formalized
Phase I of the Similkameen Confluence Project*	Type: Habitat & Community Outreach -biological and hydrological assessment of project area including 12 river miles on two rivers to result in recommended restoration actions -development of Adaptive Management Plan for management of area in future -community outreach -partnership development	Status: Project still in progress -funding for this phase from SRFB, BLM -coordination with WDFW "Okanogan Similkameen Conservation Corridor" program -funding for subsequent phases in process -63 landowner and businesses contacted, 13 in-person interviews of riverside landowners -multi-agency Interdisciplinary Science Team formed
2002 Bonaparte Creek Cleanup	Type: Habitat & Education -garbage cleanup and community awareness campaign	Status: Completed -1 mile of critical steelhead habitat cleaned up -media coverage -good turnout (20 people from a very small town) -two large truckloads of garbage removed
2002 UCG Salmon Summit	Type: Education -event hosted in partnership with the Upper Columbia Salmon Recovery Board efforts -developed regional understanding of ongoing efforts and initiatives	Status: Completed -3 day conference -over 150 people attended, including representatives from Canada
2002 UCG Salmon Festivals	Type: Community Outreach -five separate festivals in five communities as salmon traveled upstream -featured trout pond, stage coach rides, native storytelling, vendors, music...	Status: Completed -approximately 2,500 people attended -media reached over 10,000 people -businesses finally bought in to idea of salmon recovery as they had some of their best business days of the year
Sinlahekin Creek Project*	Type: Habitat Project -badly incised and eroded creek needs restoration with approximately 14,000 linear feet of creek to restore -riparian replanting and fencing	Status: Currently in Progress -funding from NFWF, NRCS, landowner -coordination with WDFW "Okanogan Similkameen Conservation Corridor" program
Hancock Creek*	Type: Habitat Project -culvert replacement and irrigation point of diversion change -project handed over to UCG by Okanogan County	Status: Currently in Progress -funding from SRFB, UCG, support by WDFW

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

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TABLE OF PROJECT EXPENDITURES

Project Name	RFEF Funds	Volunteer Hours	Vol. Dollars ¹	Other In-kind ²	Other Funds	Total Spent
1) UCG Board, Staff, program support, & office expenses	\$ 61,500	785	\$ 9,812		\$ 3,200	\$ 74,512
2) Phase I of the Similkameen Confluence Project*	\$ 35,000	480	\$21,969	\$ 500	\$ 247,700	\$ 305,169 *
3) 2002 Bonaparte Creek Cleanup	\$ 1,500	160	\$ 2,000		\$ 8,418	\$ 11,918
4) 2002 UCG Salmon Summit	\$ 10,000	180	\$ 2,250		\$ 9,000	\$ 21,250
5) 2002 UCG Salmon Festivals	\$ 1,500 cash, \$ 5,000 staff	60	\$ 750	\$ 9,500	\$ 10,653	\$ 22,403
6) Sinlahekin Creek Project*	\$10,000 cash, \$ 5,000 staff	90	\$ 1,125	\$175,000	\$ 125,875	\$ 312,000 *
7) Hancock Creek*	\$2,500.00	80	\$ 1,000	\$ 2,500	\$ 21,000	\$ 27,000 *
TOTAL	\$ 120,500	1835	\$38,906	\$187,500	\$ 425,846	\$ 774,252

1 unskilled @ \$12.50 / hr, professional @ ESD rates

2 contributions value materials, services, advice et



Eroded banks of Sinlahekin Creek, being addressed with UCG project



Some of the younger volunteers participating in the 2nd Annual Bonaparte Creek Cleanup and Planting Day where over 500 trees were planted and 900 lbs of garbage was removed from approximately 1 mile of creek.

REGION 14 – UPPER COLUMBIA REGIONAL FISHERIES ENHANCEMENT GROUP

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BOARD OF DIRECTORS:

Arnold Asmussen, Business Owner and community leader
Jerry Kendrick, Software Developer
Bill Colyar, Operations Director, Verestar Earth Station
Mark Cookson, WDFW Watershed Steward
Larry Bailey, UCG Executive Director
Staff Members: Larry Bailey, Executive Director
Michelle Boshard, Interim Program Manager
Daphne Cockle, Administrative Assistant



CONTACT INFORMATION:

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Mail: Box 921, Tonasket, WA 98855
Website: www.ucrfeg.org

UCG PARTNERSHIPS

The following is an incomplete list of regional organizations the UCG maintains either regular communications and/or partnerships and funding relationships with.

Community and Non-government Organizations:

Community and Non-government Organizations:

Individual landowners

Landowner Watershed Committees (San Poil, Chumstick, Icicle, Sinlahekin, Similkameen)
Cattlemen's Associations
Okanogan Valley Lands Council
Okanogan Conservation District
Chelan Conservation District
Foster Creek Conservation District (Douglas County)
Ferry County Conservation District
(In development: Stevens, Pend Oreille Conservation Districts)
Tri-state Steelheaders (Regional Fisheries Enhancement Group)
Mid- Columbia Regional Fisheries Enhancement Group
Oroville Tonasket Irrigation District
Oroville Trails Group / Pacific Northwest Trails Society
Oroville Chamber of Commerce
Tonasket Chamber of Commerce
Omak Chamber of Commerce
Brewster Chamber of Commerce
Pateros Chamber of Commerce
Over 22 Canadian community organizations in the Okanogan
Okanogan County Economic Alliance
Kiwanis
Washington Water Trust
Nature Conservancy of Washington
Okanogan Valley Tourism Council
Dredgers Society (miners)

Government and intergovernmental groups:

Upper Columbia Salmon Recovery Board
Inter Agency Committee for Recreation
Confederated Tribes of the Colville Reservation
Okanagan Nation Alliance (Canadian CCT Counterpart)
US Department of Fish and Wildlife (2 programs)
Washington State Department of Fish and Wildlife (3 Branches)
Washington State Department of Ecology (in development)
Counties: Okanogan (2 departments), Chelan County, Douglas County, Ferry County
Governor's Salmon Recovery Office
Washington State Office of Trade and Economic Development
US Bureau of Land Management
US Department of Agriculture NRCS
National Oceanic and Atmospheric Administration
Canadian Okanogan Basin Technical Working Group (federal, provincial and tribal fisheries agencies in Canada)

Academia:

Central Washington University
Pacific Biodiversity Institute
(in development: Washington State University)
Tonasket Schools



Washington Department of Fish and Wildlife
600 Capitol Way N.
Olympia, WA 98501-1091

Phone: (360) 902-2200