ANNUAL REPORT 2010







The Skagit Fisheries Enhancement Group is pleased to present you with its 2010 accomplishments of salmon habitat restoration and stewardship projects throughout our region. The accomplishments included in this report would not be possible without our volunteers, members, private landowners, funders and incredible partnerships that exist in our watersheds. We truly have each one of you to thank for our success and hope your support will continue to make a lasting impact on the future of wild salmon in our watersheds.

2010 marked a year of geographic growth for SFEG. For the first year ever, we had projects funded in all three of the watersheds in our region (Skagit River, Whidbey Island and San Juan Islands). Our new Restoration Ecologist worked with the Swan Lake Watershed Preservation Group to assess the feasibility of restoring a large salt marsh near Oak Harbor. In the San Juan Islands we continued to work towards removal of 12,000 cubic yards of wood waste contaminating the nearshore environment of Thatcher Bay. In the Skagit, we embarked on a major new project surveying 175 miles of the Skagit, Sauk, Suiattle and Cascade Rivers for knotweed infestations through the Upper Skagit Knotweed Control Project. Our spawner surveys expanded to include documenting sockeye salmon returning to Baker River tributaries. And we renewed our activities and enthusiasm for education and stewardship programs in the Samish Basin as part of Skagit County's Clean Samish Initiative. To accomplish some of these new endeavors we added a new Stewardship Manager position, as well as employed a Washington Conservation Corps (WCC) crew. This WCC crew consists of 5 young and enthusiastic AmeriCorps members, led by their very capable crew supervisor Rob Crawford. We are fortunate to gain this cost effective labor crew eager to learn, work with our professional Restoration Technicians, and make a difference for the future of our salmon populations.

While funding remains a challenge for our education programs, our Junior Stream Stewards program continues to thrive. Over 400 middle school students at 5 schools are getting the opportunity to learn first hand about their watersheds, implement valuable stewardship projects and be inspired to make a difference for salmon. We also began offering elementary students the opportunity to participate in a new Salmon in the Classroom program thanks to generous grant funds from the Skagit Community Foundation. Although most of our funding goes towards on the ground salmon habitat restoration projects, the value of these and other educational programs is priceless to ensure that our next generation of stewards cares about the future health of our watersheds.

Its been an exciting year for all of us here at SFEG and we are very much looking forward to what 2011 will bring with new projects and partnerships we have been working on. We are fortunate to live and work in watersheds filled with such beauty and hope. The watersheds in our region are truly magical places that are teeming with all kinds of life. By working to protect and restore salmon populations, our goal is to have healthy watersheds for all life to thrive for future generations. We thank you for being a part of this effort. And greatly look forward to your ongoing support.

Dedicated to involving our community in restoring wild salmon populations for future generations





Board of Directors:

Bruce Freet, President,
Retired Ecologist
Jeanne Glick, Vice President, Nurse
Deene Almvig, Treasurer,
Retired Educator
Ned Currence, Secretary,
Fisheries Biologist- Nooksack Tribe
Kurt Buchanan, Retired Fisheries Biologist
Oscar Graham, Environmental Planner
Jim Johnson, Retired High School Teacher
Chris Kowitz, Biologist
Robin LaRue, Civil Engineer
Boshie Morris, Self Employed
Patrick O'Hearn, Retired CPA and part owner

Staff Members:

Alison Studley, Executive Director Lucy DeGrace, Outreach Coordinator Sue Madsen, Restoration Ecologist Mary Mae Hardt, Finance Manager Michelle Murphy, Stewardship Manager

of Emerald Marine Carpentry

Mike Olis, Tribal Forest & Fish Biologist -

Skagit River System Cooperative

Restoration Technicians:

Andrew Beckman Joe George Kyle Koch Bengt Miller Neil Vargas

AmeriCorps Interns:

Anna Mostovetsky, Restoration Assistant, Washington Conservation Corps Carolyn Feffer, Education Assistant, Washington Service Corps

Washington Conservation Corps Crew

Supervisor: Rob Crawford Crew Members:

Caleb Dobey-Assistant Supervisor, Casey Clark, Matt Rowell, Aaron Minney, Taylor Barker



SKAGIT FISHERIES ENHANCEMENT GROUP

PO Box 2497 407 Main Street, Suite 212 Mount Vernon, WA 98273 Phone: 360-336-0172 Fax: 360-336-0701 www.skagitfisheries.org Tax ID# 94-3165939

HABITAT RESTORATION

Finney Creek

In 2010 SFEG partnered with the Forest Service and local timber companies (Goodyear Nelson, Longview Timber and Sierra Pacific Industries) to install 30 log jams to improve water quality and

stream conditions for 2 miles of habitat in Lower Finney Creek. Since 1999, seven in-stream have been completed directly enhancing 7.6 miles of Finney Creek. These projects have successfully installed 190 log jams putting more than 1,875 logs back into the stream. Historical salmonid use in Finney Creek was phenomenal. All 5 species of salmon used the creek in large numbers as well as steelhead and cutthroat trout. Temperature monitoring over the last decade indicates that slight reductions have been made and cross section and photo point monitoring indicate habitat improvements are taking place as well.



Skagit Fisheries Enhaceme a Group

Day Creek

SFEG has been working with private landowners in the Day Creek Community to identify and implement salmon restoration projects since 2005. Our current efforts focus on restoring riparian vegetation along Lower Day Creek, and placing large woody debris structures in the stream to reduce temperatures and im-

prove fish habitat. In 2010 we planted 3,600 plants along 0.6 miles of stream at four sites. R2 Resource Consultants were contracted to complete a hydraulic analysis and geomorphic risk assessment in support of the wood placement project planned for 2011.

Iron Mountain Ranch

SFEG continues to perform restoration work at this large Seattle City Light property along the south side of the Skagit River. A fence was installed along O'Toole Creek to reduce stream impacts from livestock. Volunteers, staff, and WCC members planted 906 trees and shrubs within the new 4 acre area. SFEG also explored the feasibility of a river reconnection project with Davis





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.

AND STEWARDSHIP PROJECTS

Slough located on the other side of the South Skagit Highway. Survey data from this effort has led to grant funds to design an in-stream project for the site.

Anderson Creek

Seattle City Light continued a partnership with the Natural Resource Conservation Service to restore this property surrounding Anderson Creek formerly owned by the Vandersar Dairy. Over 17,340 plants were installed on 30 acres in 2010 bringing the total plants on this 150 acre site to 37,000 plants. WCC crews greatly assisted with this planting effort. Work restores habitat for Anderson Creek, Ross Island Slough and Skagit River floodplain.

Upper Skagit Knotweed Program

In 2010, SFEG took on the leadership for the innovative and well respected Upper Skagit Knotweed Control Program. This program was developed by The Nature Conservancy in 2001 and is focused on a top-down strategic approach to controlling the invasive plant species knotweed in the Upper Skagit watershed. The project is part of a long-term, basin-wide approach to knotweed control that has been advanced by the Skagit Cooperative Weed Management Area. Knotweed is detrimental to freshwater ecosystems and natural riparian processes, which negatively impacts high priority salmon habitat. As of the 2010 season the effort has identified 1,812 patches of knotweed, achieved 58% control of knotweed in the Upper Skagit and is recognized as a model for invasive species work in Washington State. The project area starts at the confluence of the Skagit and Sauk Rivers, and includes the mainstem Skagit, Sauk, Suiattle and Cascade Rivers, their tributaries and surrounding landscapes. In the 2010 season, SFEG, TNC, WCC and other partners completed extensive surveys along 81 miles of river and streams, treated an estimated 3.5 solid acres of upland and riparian knotweed, as well as monitored a large percentage of previously recorded knotweed patches in the Upper Skagit watershed. SFEG and WCC also received on-the-ground assistance from U.S. Forest Service, Seattle City Light, North Cascades National Park, and the Sauk-Suiattle Tribe.

SUA Habitat Enhancement:

Community Outreach:

Howard Miller Steelhead Park

This Skagit County Park is located in the town of Rockport along the upper Skagit River. Since 2006, SFEG has been working to restore the riparian area along the river with native plants and create educational signage for the trail along the river. This year the Whatcom County Corrections Crew maintained the previously planted areas by removing blackberries and reed canary grass. A new project was investigated to reconnect a backwater slough to the Skagit River and improve habitat on a small tributary creek. Volunteers helped survey the new creek channel. Survey data from this effort has led to a grant funds to implement this restoration project and work with Skagit County Parks to build a trail.

Skagit Floodplain Riparian Project (SRFB-09 and 10)

The Skagit Floodplain Riparian Project represents a major effort to restore vegetation communities and floodplain function in the Skagit River floodplain. SFEG is working with 4 partner landowners who own conservation properties, including the US Forest Service, Seattle City Light, Skagit County and the Skagit Land Trust. The project has involved planting and maintaining riparian vegetation on 9 sites – Skiyou Slough, Ovenell Ranch, Marblemount Boat Launch, Diobsud Creek, the former Shaeffer property along the Sauk River, Ross Island Slough, Larsen property, Peterson property and Pressentin Park. 2010 work accomplishments include installation of 6,209 plants on 21.5 acres, and



maintenance of 78 acres along 4,209 feet of river bank. SFEG has been assisted in our restoration efforts by volunteer work parties, contract crews from Whatcom County Department of Corrections and WCC.

SUMMARY OF ACCOMPLISHMENTS

Riparian plantings 29,397 plants 74.5 acres Riparian maintenance 180 acres Riparian fencing installed 2,635 ft Instream habitat improved 2 miles Isolated habitat reconnected 0.67 miles Floodplain protected from knotweed 19,282 acres infestation Community education 4,303 individuals Volunteer involvement 7.926 hours Kids educated 1,507 students



Seattle City Light Stewardship Program

In 2010 SFEG began implementation of the Seattle City Light Stewardship Program. The purpose of this new program is to conduct quarterly visits to properties purchased through City Light's ESA and Wildlife Land funds and to effectively detect any stewardship issues. 15 properties underwent stewardship assessments each quarter. Baseline data was collected during first visits. During later visits stewardship activities were recommended for 2011. The most common issue noted at the properties was the presence of invasive plant species and dumping. Funding has been secured for identified stewardship actions at 4 properties.

Skagit County Natural Resource Stewardship Program

SFEG has been assisting Skagit County with implementation of the Natural Resource Stewardship Program (NRSP). Work at 5 sites included fence construction to keep livestock out of streams, planting trees to restore riparian zones, site clean-up and control of invasive plant species. Actions have restored native vegetation on 2.7 acres of land along approximately 3/4 mile of Thunder, Carpenter and Bulson Creeks.



West Fork Colony Creek Fish Passage Improvement

The West Fork Colony Creek fish passage improvement project was a collaborative effort between Goodyear Nelson Hardwood Lumber Co., the National Resource Conservation Service (NRCS), SFEG and the Upper Skagit Indian Tribe. The project is located at a site where SFEG had installed a large, passable culvert in 2002. That same year a dam break flood originated from an upstream beaver dam destroying the culvert and rendered the site impassable for fish. Goodyear Nelson and Upper Skagit Indian Tribe worked together to collect background documentation for the project. SFEG removed the barrier culvert in summer 2010 using funding provided by the Family Forest Fish Passage Program. A bridge was then installed using designs and funding provided by the NRCS. The project re-opened 0.67 miles of stream for coho salmon and resident trout.

Swan Lake Feasibility Study - Whidbey Island

In 2010 SFEG partnered with the Swan Lake Watershed Preservation Group (SWWPG) and Coastal Geologic Services to complete a preliminary feasibility assessment of the potential for restoring fish access to Swan Lake on the west side of Whidbey Island. This analysis concluded that the area was formerly a saltmarsh which was likely seasonally connected to the marine environment. Island County provided funds to collect additional data, and SFEG is applying for additional grant funds to complete an engineering analysis and design.

Thatcher Bay Nearshore Restoration Project - Blakely Island

Since the 1940's wood chips from an old lumber mill have completely buried intertidal substrates suitable for forage fish spawning at Thatcher Bay on Blakely Island. This wood waste is releasing sulfide, a natural byproduct of wood decomposition, at levels that are toxic to benthic flora and fauna. The restoration of the area will include removing 12,000 cubic yards of wood waste and refilling the excavated area with sediments common to the surrounding areas. In 2010 permit applications were submitted and many of the approvals were granted. Funds were secured from DNR and SRFB for project implementation.

Red Cabin Creek Fish Rescue

The WA State DOT contracted SFEG to watch the Highway 20 crossing of Red Cabin Creek for stranding of salmon during summer



low water and winter floods. Over 1,000 fish were rescued from Red Cabin Creek by staff and volunteers this year including 907 coho fry. Spawner surveys were also conducted this year where coho, chum and steelhead were observed. DOT plans to replace the stream crossing in 2011 to alleviate the salmon stranding and flooding issues.

Native Plant Nursery

Volunteers led by Sarah Davis (WCC Intern) continued to operate a native plant nursery to grow plants to a larger size prior to installing them at restoration sites where competition with invasive species is very high. SFEG's nursery holds over 8,000 potted plants. Over 5,000 plants from the nursery were planted at project sites in 2010. Volunteers pot plants, perform summer watering and work with Cascades Job Corps to involve students in nursery maintenance via weekly work parties.

EDUCATION PROGRAMS

Junior Stream Stewards

Junior Stream Stewards, a unique stewardship program for middle school students in the Skagit Watershed, continues to grow. In the 2009-10 school year, we engaged approximately 380 students in the Burlington-Edison, LaConner, Sedro-Woolley, Concrete, and Conway school districts. In the 2010-11 school year, Edison School replaced La Conner, bringing the number to 415 students involved in the program. Students learn from SFEG staff about watersheds and salmon through monthly classroom activities and several field trips. Classroom activities set the stage for a service-learning project, such as riparian planting, in the spring. Funds from Skagit County through an EPA grant have allowed added benefit to Samish schools such as being treated to a visit by Taylor Shellfish staff to dissect clams and oysters, and learn about the connection between land use and water quality.



Salmon in the Classroom

SFEG coordinated the placement of two 55-gallon fish tanks with

200 salmon eggs for students at Madison Elementary and Lincoln Elementary schools in Mount Vernon. dents toured the Marblemount Hatchery and learned where their coho eggs originated. These students will raise the coho salmon for a few months and release them in area streams in spring 2011. Students throughout the schools receive the added benefit of watching these salmon grow in common areas of the schools.



Samish Watershed Outreach

SFEG is one of many partners participating in the Clean Samish Initiative, an effort to raise awareness for water quality issues in the Samish Watershed and offer assistance to landowners wanting to implement corrective measures on their property. Community members attended Family Day at Donovan Park to learn about the critters that call Friday Creek home, and how poor water quality impacts critters and humans. A Samish Watershed tour treated participants to excellent salmon viewing. Signs were installed at 50 stream crossings and volunteers developed and installed an interpretive sign for Donovan Park. In all, SFEG engaged 783 youth and over 1,300 general community members within the Samish watershed in 2010.





Upper Skagit Outreach

Grant funds from ALEA this year provided for a Hatchery Outreach program, which entailed training volunteers to lead tours of the Marblemount Hatchery. This year twelve trained volunteers led tours for the public at the Marblemount Hatchery during eagle season, providing a learning opportunity for thousands of visitors from all over the world.

MONITORING PROGRAMS

Spawner Survey Monitoring

This year 34 volunteers assisted Technicians in walking 16.5 miles on 32 different creeks each and every week this fall and winter to count adult salmon returning to spawn at restoration sites. We have documented almost 7,000 coho salmon, 76 chinook salmon, and 49 chum salmon as well as over 1,000 kokanee in Lake Samish tributaries. Interns conducted sockeye spawner surveys for the first time on tribu-

taries of Baker Lake through a PSE and Upper Skagit Tribe partnership. Data collected is shared with the co-managers, funders and project partners.

Vegetation Monitoring

SFEG Technicians and volunteers conducted vegetation monitoring at 17 restoration sites, collecting data on plant health, weed infestation, and overall vegetation composition. This data is very helpful in determining future planting plans as well as documenting effectiveness to funders and project partners over time.

In-Stream Monitoring

In-stream monitoring was conducted at 11 restoration sites this year to track the effectiveness of projects to improve physical habitat conditions. 19 volunteers were trained by SFEG Technicians and assisted staff in surveying channel cross sections, substrate, habitat type and instream structures. Data collected provides much needed information to funders and project partners.

In all, over 1,700 volunteer hours were documented assisting with monitoring programs in 2010.



FINANCIAL SUMMARY 2010

Income			Expenses		
Public Funds	\$	876,324	Project & Programs	\$	827,356
Private Funds	\$	60,888	Administration (11%)	\$	97,814
Total Cash Income	\$	937,212	Total	\$	925,170
In-Kind Donations	\$	231,182			
Total	\$ 1	1,168,394			

CONTRIBUTORS

DONORS

Ace Hardware Scott Adams Deene Almvig

Anacortes Brewery & Rockfish Grill

Del and Juanita Anderson Anthony's Restaurants Reid Armstrong Dan & Linda Ballard Danny Beatty Dave Beatty GayLynn Beighton

Birdsview Brewery Lyn and Jim Bishop Cindy Bjorklund Feryll and Rich Blanc

Blau Oysters Bill Bowen

Joel and Joanna Breems

John Bremer Michael Brondi Laurelynn Brooks Christopher Brown Brown Lantern Ale House Kurt and Janice Buchanan

George Bullock Coleman Byrnes

Hugh Campbell and Dianne Dalton Bob Carey and Kari Odden

Betty Carteret and Eric Shen Cascade River Community Club

Barbara Chevnev

Children's Museum of Skagit County

Christianson's Nursery

Laura Clemmer and Dan Glasser

Wendy Cole

Compass Wine Shop

Steve Crider

Brenda Cunningham and Tim Manns

Ned Currence David Downey Darrell Drummond Sharon Dunn

Eagle Haven Winery Brian Faber Bill and Carol Fairey

Fidalgo Bay Coffee Fidalgo Fly Fishers Polly Fischer Bruce Freet Kevin Garner Becky George

Joe and Cathy George Jeanne Glick

Oscar Graham and Pat Bunting Dorothy and Pete Haase

Suzanne Hahn Anthony Hamerski Emmett & Pat Hannifin

Betty Harris Carl Hendricks Frank Higgins

Sandra Hixson-Matthews

Holiday Sports Mary Hopley

Steve and Gail Hopley

Paul and Marie Hunter

Tim Hyatt and Nicolette Harrington

Island Adventures Ivar's and Kidd Valley

Dan Jacobson Mary Janda Janicki Industries Phil and Judy Jensen

Ryan & Christina Jepperson

Jim Johnson Marilyn Kenney

Phil Kincare and Gale Masters Eric Knudsen and Judy Farrar

Chris Kowitz Sharon Kruppa

La Conner Brewing Compay

Frank Lacey and Jeroldine Hallberg

Krista Larson Billinghurst

Robin LaRue Dick and ElaineLease Hal and Hella Lee Lee Mann Photography

Jean Leib Lincoln Theatre

Ben Lubbers and Rochelle James

Lucky Seven Foundation Annette Macartney Rick Machin

Craig Martin and Mary Newman Dwayne and Carolee Massey

Master Marine

Max Dale's Steak and Chop House

James McDonald Mary & David McDonald George & Sue Mehler Merritt's Apples Microsoft Jack Middleton Boshie Morris

North Cascade Networks, LLC North Cascades Institute North Star Embroidery

Northwest Agriculture Bus. Center Northwest Datum and Design

Ann Novak Michael Olis

Oliver Hammer Clothes Shop

Fred Partington John & Sara Patton PDB Photos Doug Peterson Porterhouse Restaurant

Puget Sound Energy Puget Sound Energy Foundation

Bill Reinard Fred Remlinger Douglas Risedorf Rockfish Grill Maggie Rose Sakuma Bros. Farms, Inc.

Skagit River Ranch

San Juan Excursions Wendy Scherrer Brian Scheuch Marcus Schumacher Seabolt's Smokehouse Seattle City Light Sierra Pacific Foundation Skagit Conservation District Skagit River Brewing Company Skagit Valley Food Co-op Tom Slocum and Judy Dudley

Marlies Slostad Chuck Smith Gordon Stacey Steel Perceptions Mark and Diane Studley Carolyn Sutton

Swan Lake Watershed Preservation Gr Swinomish Fish Company

Taylor Shellfish Co., Inc. George Thelen

Jim Thomas Thompson's Greenhouse

Arn Thoreen Shelia Tomas

Barb Trask and Ger Vanden Engh Tulalip Tribes Charitable Fund

Village Pizza

Duff and Pinky Walker Andrea Warner

Watermark Book Company

Saul Weisberg Perry Welch

Western Prince Whale & Wildlife Tou

Westport Shipyard, Inc Dennis and Trudy Wilson Wilson Picture Framing Woods Logging Supply Stan Zyskowski

PARTNERS

ALEA Volunteer Cooperative Grants

Allen Elementary School Beachwatchers of Skagit County Bellingham Technical College

Cascade Job Corps Cascade Middle School Concrete Middle School Conway Elementary School Dike District #25

Ecotrust

Edison Elementary School Emerson High School

Family Forest Fish Passage Program

Fidalgo Fly Fishers Island County Public Works LaConner Middle School Landowner Incentive Program Lincoln Elementary School Madison Elementary School Marblemount Hatchery

Mount Baker-Snoqualmie National Forest

Mount Vernon Christian High School Mount Vernon High School

National Fish and Wildlife Foundation

National Park Service

Natural Resource Conservation Service

NOAA Restoration Center North Cascades Institute Padilla Bay Foundation People for Puget Sound Puget Sound Anglers Puget Sound Energy Samish Indian Nation Sauk-Suiattle Indian Tribe Seattle City Light

Skagit Conservation District

Skagit Conservation Education Alliance

Skagit Cooperative Weed Management

Area

Skagit County

Skagit County Marine Resources Com-

mittee

Skagit Land Trust

Skagit Stream Team

Skagit River Bald Eagle Awareness Team

Skagit River System Cooperative

Skagit Valley College

Skagit Watershed Council Swan Lake Watershed Preservation

Group

Swinomish Indian Tribe The Nature Conservancy

Town of Concrete

Upper Skagit Indian Tribe US Fish and Wildlife Service

US Forest Service

University of Washington Washington Conservation Corps

Washington Service Corps

WA Salmon Recovery Funding Board WA State Department of Agriculture

WA State Department of Ecology

WA State Department of Fish & Wildlife

WA State Department of Natural Resources

WA State Department of Transportation WA State General Administrative Ser-

Western Washington Agricultural Association

Wetlands Reserve Program

Whatcom Land Trust Whatcom County Parks

PRIVATE LANDOWNERS

Murray Benjamin

Gaylen and Bonnie Bierman

Robert Blair Steve Boon

Cedar Springs Renewal Center

Paul and Shannon Copper Sharon Crawford

Peter and Elizabeth Edelson

Ken Evans Ken Goodpastor Goodyear Nelson Timber

Island County Eric Knudsen-Creekside Farms

Charles and Vicki Lederle Longview Timber Karen Marks

Jack Moore Morris and Charlene Robinson Llane Rusnak and Daniel Burt Rudolf & Louise Schaffer

Jack Sekora Sierra Pacific Industries Skagit Land Trust Donald Stewart Mathew Swenson The Nature Conservancy

Barb Trask and Ger van den Engh

Pat & Marie White

Roy Zipp Stan Zyskowski



NON-PROFIT ORG U.S. POSTAGE PAID MT. VERNON, WA PERMIT #26

RETURN SERVICE REQUESTED







Dedicated to Restoring Wild Salmon Populations for Future Generations