



Pacific States Marine Fisheries Commission

55th Annual Report

For the Year 2002

Published for the Congress of the United States and to the
Governors and Legislatures of Washington, Oregon,
California, Alaska and Idaho

55th Annual Report of the Pacific States Marine Fisheries Commission

To the Congress of the United States and the Governors and Legislatures of the Five Compacting States, Washington, Oregon, California, Idaho, and Alaska, by the Commissioners of the Pacific States Marine Fisheries Commission in Compliance with the State Enabling Acts Creating the Commission and Public Laws 232; 766; and 315 of the 80th; 87th; and 91st Congresses of the United States Assenting Thereto.

Respectfully submitted,
PACIFIC STATES MARINE FISHERIES COMMISSION

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Cover Photo "Lighthouse"
Location Point Arena, California
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**PSMFC
55TH ANNUAL MEETING
EVENTS**



The 2002 PSMFC Annual Meeting was held September 22-25 in Santa Barbara, California where Dirk Brazil of the California Department of Fish and Game served as chairperson.

Commission members were given updates on federal appropriations for the 2002-2003 fiscal year, as well as the Magnuson-Stevens and Marine Mammals Acts.

Dr. Robert Halvorsen of the University of Washington and John Garner of the North Pacific Crab Association discussed Individual Fishing Quotas (IFQs) and the role of processors. Bob Lohn, Northwest Assistant Regional Administrator for the National Marine Fisheries Service, discussed the status of Pacific Salmon. Eileen Cooney, General Counsel for NOAA, and Karen Garrison reviewed current West Coast and Alaska groundfish lawsuits.

Randy Fisher moderated a panel discussion on Aquaculture that included Mark Drawbridge of the Hubbs-SeaWorld Research Institute, Dr. Colin Nash of NMFS, and Andy Thomson of Department of Fisheries & Oceans-Canada.

Guy Holt from NMFS Law Enforcement gave a presentation on the Vessel Monitoring System in Alaska and how it could serve as a model for other regions.

Arnold E. Donahue of the National Academy of Public Administration spoke about “Courts, Congress & Constituencies—Managing Fisheries by Default”.

During the Business Meeting held on September 25th, the Commission made the following decisions for the respective issues:

Magnuson/Stevens Fishery Conservation & Management Act (MSFCMA) Reauthorization—To not support any amendments to MSFCMA that either erode current regional Council and State authorities, or that increase the powers, duties and responsibilities of the Secretary of Commerce at the expense of the states and Regional Councils. (Vote: 5-0)

- ◆ Each state will select a designee for a workgroup that will monitor and prioritize issues raised by the states and approach each one individually.
- ◆ Workgroup will determine if there is a need for the Commission to develop and host a coast-wide forum, or a series of meetings, to discuss the MSFCMA.

Marine Mammal Protection Act (MMPA) Reauthorization—To support recommendations contained in the August 2000 report Commission staff submitted to Congress. (Vote: 5-0)

- ◆ Workgroup will be named to be ready to work on the reauthorization legislation when it does occur.

Marine EEZ Aquaculture Bill—To not support National Marine Fisheries Service’s recommendations for the National Marine Aquaculture Act. (Vote: 5-0)

- ◆ Commission staff directed to write a letter to National Marine Fisheries Service Director, Dr. William Hogarth, expressing concern about aquaculture and advise him that if NMFS proceeds with their recommendations, PSMFC wants to be educated on the details.
- ◆ Workgroup will be available to address and answer concerns that arise.

National Academy of Public Administration Recommendations—To support recommendations made by NAPA that address NMFS science activities and internal operations, but believes that the regional councils should review those recommendations that pertain to them before PSMFC or a designated working group makes comment. (Vote: 5-0)

Vessel Monitoring System (VMS) Enforcement—To support VMS system using Alaska as a model that includes funds for regional centers and to fishermen for the initial acquisition of necessary equipment. (Vote: 5-0)

- ◆ PSMFC and NMFS would enter into joint agreements to find extra funding for enforcement.

West Coast MRFSS—To recommend to NMFS Director, Dr. Hogarth, that the contract for west coast MRFSS activities be issued out of NMFS' NW Region office in Seattle. Allocating funds for the west coast recreational database through PSMFC instead of through NMFS headquarters in Silver Spring, MD will also be recommended. (Vote: 5-0)

Transgenic Fish and Shellfish—Agreed to not take a position on the production and/or transportation of transgenic fish and shellfish in the EEZ until it is known if the FDA will, in fact, allow it. This subject will be taken up again at the 2003 annual meeting if there is movement on the issue. (Vote: 5-0)

Buyback—Moved to direct lobbying efforts to support the development of a buyback program for West Coast Groundfish fishery vessels as defined by the Pacific Fishery Management Council. PSMFC staff will keep states affected by such legislation informed of the details as they are introduced. (Vote: 5-0)

Cooperative Research—Directed staff to lobby Congress for cooperative research money from NOAA's budget for the West Coast and Alaska that is more in line with funding appropriated to East Coast fisheries. (Vote 5-0)

Aquatic Nuisance Species Funding—Moved to support aquatic nuisance legislation and that if any additional funding is made available through such legislation, that it be available to all states. (Vote: 5-0)

Mass Marking Trailers & Mitchell Act—Decided to table these two issues due to the nature of their individual state funding requests. It has been the position of PSMFC to lobby for the benefit of all, or a majority of, its member states and not dilute its lobbying efforts with individual state concerns.

Capital Construction Funds—Support the concept of allowing commercial fishermen to use contributions made to their Capital Construction Funds for other capacities. (Vote: 5-0)

Idaho is the host of the 56th Annual Meeting which will be held at the

**Sun Valley Resort
Sun Valley, Idaho
September 21-24, 2003**

2002 PACIFIC STATES MARINE FISHERIES COMMISSION AWARD

FOR CONTRIBUTION TO PACIFIC COAST FISHERIES

J. DAVID PTAK

The Commission's 2002 award for outstanding contribution in support of Pacific coastal marine fisheries resources was presented posthumously to David Ptak at the Annual Meeting in Santa Barbara, California. His family accepted the award in his honor.

Mr. Ptak, a native Californian, began his career in the seafood processing industry as a crewman on a party boat and later the operator of a fish market. He spent many years working to preserve, protect and promote the consumer seafood supply industry. As vice president of the Chesapeake Fish Company he worked to keep the ocean accessible for commercial fishermen and strengthen relations between legislators and fisheries managers.

In his career, he held the positions of president, Chairman of the Board, and treasurer of the California Fisheries and Seafood Institute and served on the boards of the West Coast Fishery Development Foundation, the California Sea Council, California Abundant Oceans Foundation Fisheries Commission, the National Fisheries Institute, the California Aquaculture Association, the California Marine Resources Advisory Committee, and the Scripps Institute of Oceanography. He worked with scientists at the University of California Sea Grant Program and was Chairman of the Sea Grant Industry Advisory Committee. He wanted to promote the seafood industry while maintaining a balance in the ocean fisheries and lobbied for both in the state and federal legislatures.

As the California industry Commissioner to the Pacific States Marine Fisheries Commission for two terms, and in his roles with the many other committees and organizations he was involved with, David Ptak was considered an innovator, a consensus maker, and a leader. He didn't see the commercial and sport fisheries industries as adversaries, but they just needed to see what was important and understand how each side could accomplish it.

During the award ceremony it was said that David knew almost every processor from Baja to British Columbia and that he fought for access to the ocean resources to feed the people of the United States. The fisheries industry may not know another person who could accomplish what David did by being both a commercial representative, a sports fisherman and a problem solver.

It gives the Pacific States Marine Fisheries Commission great pleasure to recognize the contributions of David Ptak through this award for 2002.



PACIFIC COAST FISHERIES INFORMATION NETWORK

The Pacific Fisheries Information Network (PacFIN) provides timely and accurate data essential for effective fisheries management. The nation's first regional fisheries data network, PacFIN, provides information enabling agencies and industries to track commercial fish catches by area, and to manage and plan more effectively. The need for this data has become more critical as the intensity of U.S. fisheries has increased.

In 2002, the Pacific Fisheries Information Network (PacFIN) office focused on:

- ◆ Programs that produce non-confidential summations from the shore-based and at-sea fisheries and fish-ticket data for pacific whiting.
- ◆ Adding weekly summation and percentage catch reports for the Dungeness crab fishery to the PacFIN website.
- ◆ Cooperating with AKFIN to provide "best available data" for ADFG for 1995-2001 and incorporating the monthly summations into PacFIN's central database.
- ◆ Developing a new version of annual and monthly vessel summaries for PFMC at the request of their staff economist.
 - ◆ Encompasses all W-O-C fisheries regardless of catch area.
 - ◆ Can also query rockfish distribution by catch-area, species composition proportions, limited entry/open access fleets, and treaty-Indian determination.
- ◆ Completing access to summary-catch data via the PacFIN website.
- ◆ Enhancing the Quota Species Monitoring system to include the following for the 2003 season:
 - ◆ Adding catch for petrale sole, remaining flatfish, cabezon, kelp greenling, and California scorpionfish to the report;
 - ◆ Splitting the Southern near-shore minor rockfish subgroup into shallow and deep;
 - ◆ Splitting then non-trawl sablefish catch into primary and daily trip limit fisheries;
 - ◆ Reporting WDFW tribal-non-tribal catches separately
- ◆ Providing data to NMFS for:
 - ◆ a national economic and demographic survey of fisheries employment, and
 - ◆ a fleet capacity reduction/buyback proposal for the W-O-C groundfish fleet

The PacFIN Office processed 187 data feeds from seven data sources and responded to 149 requests-for-information. The PacFIN website had 116,627 visits, an average of 9,719 visits per month.



The West Coast Groundfish Observer Program (WCGOP) was implemented in July 2001 in response to the desire to increase data collection on discard rates in West Coast fisheries. The program provides coast-wide estimates of discards throughout the year. These estimates are important to stock assessments and the management of groundfish stocks. Observers collect scientific, management, and other data through on-board interviews of vessel captains and crew, observations of fishing operations, measurements of selected portions of the catch and fishing gear, and collection of samples.

During 2002, the WCGOP:

- ◆ continued to improve and expand its efforts to provide discard information for west coast groundfish fisheries.
- ◆ Adjusted to the seasonality of the groundfish fisheries on the west coast by initiating a core staff of year-round observers to be supplemented with seasonal observers during the heaviest “groundfishing” months (March-October).
 - ◆ The program added eight seasonal observers in February and an additional 13 observers in June to its core of 20 year round observers.
- ◆ began observing open access fisheries in California and Oregon. The open access fisheries presented many obstacles such as small vessels, safety concerns, and difficulty in locating the vessels and captains. The program successfully achieved over 200 days at sea on open access vessels in 2002.
- ◆ achieved better than 10% coverage level on limited entry trawl vessels. The table below shows the sea time observers were onboard each type of gear by state from January 2002-December 2002.

State	Total Sea Days	Trawl	Longline	Pot	Open Access
California	969	780	50	16	123
Oregon	983	778	79	44	82
Washington	462	358	100	0	4
Totals	2414	1916	229	60	209

The 2002 Initial Data Report and Summary Analyses can be found at <http://www.nwfsc.noaa.gov/research/divisions/ram/Observer/narjan03.pdf>.

While observer programs are always difficult for fishermen to accept, the program has been pleased with the general attitudes of most of the fleet. The program attributes most of its success to the hard work of its experienced observer core.



The Alaska Fisheries Information Network (AKFIN) provides a framework that consolidates and supports the collection, processing, analysis, and reporting of a variety of information important for management of North Pacific fisheries. An annual grant award from National Marine Fisheries Service (NMFS) to PSMFC funds the program. These funds support an AKFIN Support Center (AKFIN-SC) and subcontracts to Alaska Department of Fish and Game (ADF&G) for related tasks.

The AKFIN-SC is a cooperative data program that maintains a fisheries information system composed of state and federal data for Alaska fisheries aggregated from:

- ◆ State of Alaska
 - ◆ ADF&G
 - ◆ Commercial Fisheries Entry Commission,
- ◆ National Marine Fisheries Service (NMFS)
 - ◆ Alaska Region
 - ◆ Alaska Fisheries Science Center
- ◆ North Pacific Fishery Management Council (NPFMC)
- ◆ PSMFC

In 2002, AKFIN-SC:

- ◆ provided non-confidential and confidential data sets to authorized users of AKFIN agency data.
- ◆ Compiled data sets for:
 - ◆ NPFMC staff and contractors for analysis of vessel characteristics;
 - ◆ enhanced state harvest records from 1990-2002 to include a suite of vessel and processor characteristics that are available through other sources.
 - ◆ American Fisheries Act (AFA) Pollock processor harvests and products;
 - ◆ AFA catcher vessel ownership
 - ◆ area specific summaries of rockfish, lingcod and crab harvests.
- ◆ Data warehouse design updated to allow reporting information as it occurred at a specific time while still providing the current best available data.
- ◆ Developed data marts for retained groundfish catch, active processors and vessels, estimated prices and other species retained catch.
- ◆ Completed data entry and verification of available sablefish logbooks for the NMFS-Auke Bay Laboratory.
- ◆ Completed the application and documentation for data entry and verification of NMFS catcher vessel and catcher processor logbooks.
- ◆ Provided data sets to NMFS economists to examine fishing capacity of all non-processing vessels as the number of weeks active in a fishery for 1990-2001, and to distinguish small and large fishing entities by total pounds and value by vessel and fishery for 1996-2000.



The PSMFC-Regional Mark Processing Center (RMPC) continues to provide regional services to all State, Federal, Tribal, and non-governmental agencies involved in marking anadromous salmonid fishes on the entire Pacific Coast, including Canada. These services include coastwide coordination of tagging and fin marking programs, and maintenance of a regional database for releases and recoveries of coded wire tag (CWT) marked salmonids. In addition, the Mark Center serves as the single United States database to exchange CWT information with Canada for Pacific Salmon Treaty purposes.

In 2002 the RMPC:

- ◆ Developed Coded Wire Tag program summary for Northwest Power Planning Council as part of an ongoing effort to integrate the NWPPC's Fish and Wildlife Program with the region's ESA recover efforts.
 - ◆ This summary defined the current CWT program and identified other harvest management and monitoring needs for the Columbia Basin mainstem and systemwide province.
 - ◆ From this summary a mainstem/systemwide province funding proposal for tagging and recovery of CWTs in the Columbia Basin was developed.
- ◆ Performed extensive reprogramming for the new PSC Version 4.0 format that was implemented in 2001.
 - ◆ Affected all aspects of data management (*i.e.*, data loading, validation, warehousing, exchange, and retrieval)
- ◆ Modified RMIS software to make compatible with new PSC format.
 - ◆ Necessary to make older formats compatible and accessible in the new Version 4.0.
- ◆ Moved RMIS server to a Linux server
 - ◆ The RMPC retired its Unix server in exchange for a server running on the Linux platform.
 - ◆ Provided an "off the shelf" integration for RMIS and the higher performing Oracle DBMS for data management needs.
- ◆ Began developing a RMIS map-based query system using GIS software

The California Department of Fish and Game hosted the 2002 Annual Mark Meeting held in Monterey, California. The Mark Committee focused on the key issues of coastwide mass marking and selective fisheries activities. Updates were provided on Washington and Oregon's efforts to mass mark their respective production of hatchery coho and chinook. This included mass marking by the USFWS and by many of the Tribes in Washington.

The CWT data can be accessed through PSMFC's Regional Mark Information System (RMIS) via the internet (www.rmis.org or www.psmfc.org).



The Fisheries Economics Data Program is a cooperative data collection effort to address the needs of fisheries managers and industry for economic data and information on the West Coast and in Alaska. This project is being conducted by the Pacific States Marine Fisheries Commission as part of a cooperative agreement with the National Marine Fisheries Service and with the help of the Pacific and North Pacific Fishery Management Councils. The goal is to provide reliable and timely data to assist with the monitoring and measuring of the economic performance of the harvesting and processing components of West Coast and Alaska fisheries.

In 2002, the EFIN staff:

- ◆ Updated “West Coast Fishing Communities” document for the PFMC. The document is set to be reviewed by PFMC. For the coming year staff goals are to:
 - ◆ Continue to update census/landings data and community profiles.
 - ◆ Expand community interview population to contribute to community profiles.
 - ◆ Tie community document to future port work being developed for summer 2003.
- ◆ Completed the “Collecting Input Prices” step of the Input Price Data Investigation and Feasibility Study”. This project task required staff to contact shipping and packaging companies who were willing to provide price information on shipping materials and the prices for shipping one container of fish from several origins to various destinations.
- ◆ Completed a database for the 2001 Alaska Halibut Charter Boat Survey and created a summary document.
- ◆ Continued to conduct the monthly spot fuel price collection.
 - ◆ EFIN collects fuel prices from approximately 50 ports from Alaska to California.
 - ◆ Once each year, the previous 3 years of fuel data are used to create a report that is sent to fuel suppliers and known economists that analyze cost/earnings
 - ◆ This report is available on the EFIN web page
- ◆ Collected data from and tracked several indexes that aid in the analysis of fisheries economics
 - ◆ Data are collected from these various sources on either a monthly or quarterly basis and posted on the EFIN web page
- ◆ Continued to maintain and add to an extensive list of social and economic bibliographies and links to external sources that are useful to fisheries economists.

California Technical and Data Assistance Projects

The California Anadromous Fish Database is a cooperative effort with the National Marine Fisheries Service and California Department of Fish and Game. In 2002 the program focused on the update and expansion of current steelhead data holdings throughout the northern part of the state. Data for steelhead now can be found for the Noyo River Basin and several Klamath and Trinity River tributaries. The program also concentrated on making more than 15,000 documents, reports and other literature pertaining to anadromous fish, with a focus on coho salmon, available electronically to users.

The California Habitat Restoration Project Database (CHRPD) contains all historic and current data about California Department of Fish and Game (CDFG) funded restoration projects, as well as a growing number of projects funded by the National Fish and Wildlife Foundation (NFWF). The CHRPD has also been developed to be a grants-tracking database for the CDFG, which will ensure that the CHRPD always contains the most up to date information about all CDFG funded restoration projects. Work was started with the California Coastal Conservancy (SCC), which has agreed to provide access to their restoration project data for entry into the CHRPD. Initial exploration of their data has shown that there are around 1000-1500 projects that could be incorporated into the CHRPD.

PSMFC continued to assist the California North Coast Watershed Assessment Program (ncwatershed.ca.gov) by providing field and technical staff and assistance to conduct stream habitat surveys and prepare watershed assessment plans. Program focal areas included the Mattole River Watershed, Gualala River Watershed, and Redwood Creek Watershed, and work was begun on the Albion, Big and Scott watersheds.

Beginning in 2002, PSMFC initiated work with the California Department of Fish and Game to assist them with the administrative aspects of conducting the Adaptive Watershed Program. PSMFC administered contracts to 42 different habitat restoration and watershed projects that were completed in coastal California anadromous fish watersheds.

Another project started in 2002 was the Coho Presence Surveys. PSMFC provided technical assistance and field staff for collecting and compiling data and information on the presence of coho salmon in hundreds of North Coast streams. This is a three year effort to document the streams where coho salmon are present.

PSMFC assisted the California Ocean Salmon Program in 2002 by employing fisheries technicians at various coastal ports to sample commercial and recreational salmon fisheries, collect biological data and coded-wire tag information. Data collected are incorporated into the management and season setting for salmon fisheries.

Much of the data from these California projects are available online as part of the CalFish website (www.calfish.org). This multi-agency cooperative site provides access to a growing number of fish and aquatic habitat datasets. The data are available through both geographical and tabular queries. The data may be viewed and analyzed using an interactive ArcIMS platform, in conjunction with the other datasets available on the sites.



StreamNet is a cooperative data compilation, development, and distribution project among the state, tribal and federal fish and wildlife agencies in the Columbia River basin. It is funded by the Bonneville Power Administration (BPA) through the Fish and Wildlife Program (FWP) of the Northwest Power and Conservation Council (NPCC), and is administered by the Pacific States Marine Fisheries Commission (PSMFC).

StreamNet obtains specific fish related data from the basin's fish and wildlife management agencies, standardizes the data into a common format so that similar data are consistent and can be combined and compared across the Columbia River basin, and makes them available via the Internet or as custom data products. All data are referenced to hardcopy documents or electronic databases, with the references available in the StreamNet Library. The project provides data related services and assistance to the Fish and Wildlife Program, and publicly posts data from independent projects not part of StreamNet.

In 2002 StreamNet:

- ◆ Completed the conversion of the Protected Areas database and the SDM data from the 1:250,000 LLID scale to the 1:100,000 scale.
- ◆ Delivered custom data report on the mass marking of salmon in the Columbia River basin identification in selective fisheries.
- ◆ Finalized a process to update anadromous distribution and habitat use data and to also include resident fish distribution in the regional database.
- ◆ Designed and implemented an online interactive mapping system to provide custom display of fisheries data where GIS software is not required.
 - ◆ Provides a new capability to locate data in the StreamNet database via map locations.
- ◆ Developed an application that converts locational data between the two primary 1:100,000 scale hydrography systems.
- ◆ Wrote and distributed the first of a series of newsletters to keep users and subscribers updated on StreamNet activities and informed about additions to the website.
- ◆ Program manager and other project staff participated in a project to assess data needs and availability inventory in consideration of developing a Columbia Basin Cooperative Information System.



PIT Tag Information Systems

Columbia Basin | ptagis.org

The Columbia River PIT Tag Information System (PTAGIS) is a data collection, distribution and coordination project. The project saw over 1,795,000 juvenile salmonids marked with passive integrated transponder (PIT) tags, for the 2002 out-migration through the Columbia and Snake river systems, compared to over 1,114,000 in 2001. In 2002, over 800,000 tagged fish were detected. These fish generated over 9,373,000 interrogation records. One fish can generate many interrogation records, depending upon how many interrogation sites or monitors 'saw' the fish.

In 2002, the PTAGIS project, in cooperation with the US Army Corps of Engineers, installed PIT tag detection systems at Bonneville Dam's Bradford Island fish Ladder and Cascade Island fish ladder. In addition, the project installed PIT detection systems at the Oregon and Washington shore fish ladders at the McNary Dam Fish Ladders. In addition, PTAGIS provided support for Digital Angel Corporation's Destron Technologies installation of a PIT tag detector at the Oregon Shore counting window at McNary Dam.

The PTAGIS project is working on installation of adult PIT tag systems at Ice Harbor and Lower Granite Dams in time for 2003 adult returns.

PTAGIS continues to support a number of agencies utilizing the "Separation by Code" (SbyC) system capability. This system has the capability to divert PIT tagged fish in various directions based upon distinct tag code. Support for this technology has become a key requirement for a number of large studies in the Columbia Basin.



Aquatic Nuisance Species Prevention Program

Beginning in 1999, recognizing the potentially huge economic impact to its operations from zebra mussels (and secondarily mitten crabs), the Bonneville Power Administration (BPA), as well as the U.S. Fish and Wildlife Service (USFWS) contracted with and provided program support to, the Pacific States Marine Fisheries Commission (PSMFC), to conduct an aquatic nuisance species prevention program for the Columbia River Basin. Aquatic nuisance species (ANS) are nonindigenous species that threaten the diversity or abundance of native species or the ecological stability of infested waters, as well as commercial, agricultural, aquacultural or recreational activities dependent on such waters. ANS include species that may occur in inland, estuarine and marine waters and that presently or potentially threaten ecological processes and natural resources

In 2002, the ANS prevention program:

- ◆ Conducted education and outreach work for Zebra Mussels
 - ◆ Traveler Information Stations (TIS): Using USFWS Sport Fish Restoration funding, 3 TIS systems were set up on Routes 2 and 94 in Eastern Montana and near the western entrance to Yellowstone National Park. These low power radio stations have a 2.5 mile broadcast radius and carries zebra mussel information to recreational boaters who travel along the highway.
- ◆ Continued to provide support for zebra mussel substrate monitoring.
 - ◆ Portland State University continued to recruit and enlist volunteers to deploy zebra mussel colonization substrates. There are now almost 200 substrates distributed in Oregon, Washington, Idaho, Wyoming, Montana, Arizona and Utah.
- ◆ Continued support of the Chinese Mitten Crab education and monitoring program in the lower Columbia River in cooperation with Portland State University.
 - ◆ No mitten crabs were detected during 2002.
 - ◆ PSU began developing a model that will provide a basis to predict the potential range and population size for Chinese Mitten Crab in specific estuaries.
- ◆ Began to distribute zebra mussel prevention education and outreach material, in print and electronically, to sites along the Lewis and Clark Trail for the Bicentennial Commemoration.
- ◆ Provided programmatic support to WDFW and ADFG for assessing the presence or absence of Atlantic salmon in selected freshwater streams using primarily snorkel surveys.
- ◆ Began funding green crab monitoring projects in Oregon, through OSU, and California, through UC-Davis. These efforts were coordinated with the on-going activities of Washington through WDFW to produce comparative data sets for all three states.

Fish Habitat Education Program

The Fish Habitat Education Program works to protect habitat for salmon and other marine fish species through education, protection, and restoration activities. The Commission's habitat efforts are funded primarily by the Wallop-Breaux Sport Fish Restoration program

In 2002 the Habitat Education program worked on the following projects:

- ◆ Oregon coast Salmon habitat protection and restoration
 - ◆ Watershed Council Support—The program supported the efforts of the MidCoast Watersheds Council (MCWC) by assisting the Council's technical and administrative committees.
 - ◆ Education—Helped to organize a watershed restoration class and field trip for students in the Fisheries and Wildlife program at Oregon State University.
 - ◆ Salt Marsh Restoration—The program managed the on-the-ground restoration work for a 38 acre site on the Yaquina River near Toledo, Oregon.
 - ◆ Tidal Marsh Conservation—The program coordinated efforts to assure protection of 250 acres of high priority marsh sites in the Yaquina estuary.
 - ◆ Stream Habitat Conservation—Worked with landowners wanting to develop conservation easements to protect areas of key salmon habitat on their land.
- ◆ Puget Sound salmon habitat and watershed
 - ◆ Watershed Tours—The program's Flying for Fish Habitat program, working in conjunction with LightHawk, conducted aerial watershed tours for legislators, mayors, and other decision makers of rapidly urbanizing areas in King County and over critical habitat for Chinook salmon in the Nooksack watershed.
- ◆ Groundfish and Marine Reserve Essential Fish Habitat Outreach—California, Oregon, Washington
 - ◆ Through displays at Fish Expo and sportfishing events, the program informed fishermen about the advances on work being done to map benthic habitat and to develop habitat use information for the 82 groundfish species managed by the Pacific Fishery Management Council. Fishermen were also informed of the groundfish essential fish habitat environmental impact statement process as well as the various marine reserve processes underway and provided contacts to allow them to get involved.
- ◆ Interstate and federal/state/tribe coordination
 - ◆ PSMFC's habitat program coordinates with the Pacific Fishery Management Council through serving as an active member of the Pacific Fishery Management Council's Habitat Committee.
 - ◆ As part of the Pacific Oil Spill Prevention Education Team, the program assisted with updating and producing the "Spills Aren't Slick" sign. These signs were posted at marinas throughout Oregon and Washington.



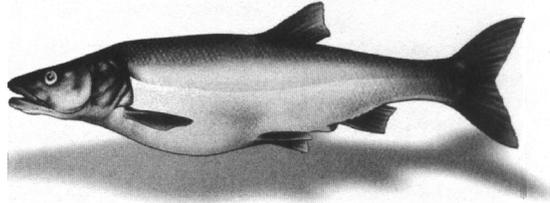
The Recreational Fisheries Information Network (RecFIN) is a cooperative effort between the state fishery agencies in Washington, Oregon, and California, the Pacific States Marine Fisheries Commission (PSMFC), and National Marine Fisheries Service (NMFS). The four goals of RecFIN are as follows:

1. Develop and implement a State/Federal cooperative program for a coastwide marine recreational fisheries data system;
2. Coordinate collection, management, and dissemination of Pacific coast marine recreational fishery data;
3. Provide the data in a central location on a timely basis in the format needed to support state and federal work on Pacific marine recreational fisheries; and
4. Reduce and avoid duplication of data collection efforts between RecFIN members.

The database contains recreational fishery data for the years 1980-89 and 1993 to the present. The primary source of data in the RecFIN database comes from the Marine Recreational Fisheries Statistics Survey (MRFSS) funded nationwide by NMFS along with state agency sampling program data. The survey is spread out over about 800 fishing sites coastwide in the three states. Of these sites, about 57% are in California, 10% in Oregon and 33% in Washington state.

In 2002:

- ◆ 41,215 anglers were interviewed in the field in the three states of California, Oregon and Washington in the MRFSS.
- ◆ A total of 65% of these were in California, 20% in Washington and 15% in Oregon.
- ◆ State sampling programs had a much higher sampling rate than the MRFSS, concentrating on ocean boat trips only.



The Northern Pikeminnow Predator Control Program is a joint effort between the fishery agencies of the states of Washington and Oregon, the Columbia River Treaty Tribes, the Columbia River Intertribal Fish Commission (CRITFC), and the Pacific States Marine Fisheries Commission (PSMFC). Washington ran the sport-reward registration/creel check stations throughout the river and handled all fish checked in to the program. Oregon provided fish tagging services, population studies, food habit and reproductive studies, as well as exploitation rate estimates. PSMFC provided fiscal and contractual oversight for all segments of the Program and processed all reward vouchers for the sport-reward anglers. CRITFC and the treaty tribes conducted angling at the dams and site specific removals by means of gillnets at tributary mouths to aid salmonid downstream migrant survival.

In 2002:

- ◆ A total of 200,241 fish were harvested in the sport-reward fishery.
- ◆ Vouchers for 199,380 fish were submitted for payment totaling rewards of \$1,029,827.
 - ◆ Rewards were paid at \$4 for the first 100 fish caught during the season, \$5 for fish in the 101-400 range, and \$6 for all fish caught by an angler above 400 fish.
- ◆ A total of 2,465 anglers who registered were successful in catching one or more fish in 2002. The 2002 season ran from March 25, 2002 through October 20, 2002.
- ◆ A total of 160 tagged fish were caught.
 - ◆ Anglers were issued a special tagged fish voucher for all tagged fish brought to the registration station. The tag voucher was then sent in with the tag for verification and payment of the special \$100 tagged fish reward. This resulted in tag reward payments of \$16,000.

Financial Report

The Commission receives its financial support from contributions from its member states, grants, contracts, and indirect cost charges on external contracts. Since 1977, the combined states' contributions have remained level at \$106,000 per year. These contributions are made available from the member states in accordance with Article X of the Interstate Compact which created the Commission. The formula calls for eighty percent of the total contributions to be shared equally by those states having as a boundary the Pacific Ocean and five percent from Idaho. The fifteen percent balance is divided by the states in proportion to the primary market value of the products of their commercial fisheries on the basis of the (then) latest 5-year catch records.

2002 Audit Report

To the Board of Commissioners
Pacific States Marine Fisheries Commission
Gladstone, Oregon

We have audited the accompanying general purpose financial statements of Pacific States Marine Fisheries Commission (the Commission) as of and for the year ended June 30, 2002 as listed in the table of contents. These general purpose financial statements are the responsibility of the Commission's management. Our responsibility is to express an opinion on these general purpose financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the general purpose financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the general purpose financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the general purpose financial statements referred to above present fairly, in all material respects, the financial position of the Pacific States Marine Fisheries Commission as of June 30, 2002, and the results of its operations for the year then ended in conformity with accounting principles generally accepted in the United States.

In accordance with *Government Auditing Standards*, we have also issued a report dated

November 21, 2002 on our consideration of the Commission's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grants.

Our audit was made for the purpose of forming an opinion on the general purpose financial statements taken as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by *U.S. Office of Management and Budget Circular A-133, Audit of States, Local Governments, and Non-Profit Organizations*, and is not a required part of the general purpose financial statements. The accompanying supplemental information listed in the table of contents is also presented for purposes of additional analysis and is not a required part of the general purpose financial statements. The information has been subjected to the auditing procedures applied in the audit of the general purpose financial statements and, in our opinion, is fairly stated in all material respects in relation to the general purpose financial statements taken as a whole.

Aldrich, Kilbride & Tatone LLP
November 21, 2002
Salem, Oregon

Editors Note: Copies of the complete auditor's report are available upon request.

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