

INTERNATIONAL PACIFIC HALIBUT COMMISSION

MINUTES

OF THE

**SIXTY-EIGHTH ANNUAL MEETING
Seattle, Washington**

January 27-30, 1992

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PARTICIPANTS

Commissioners

Steven Pennoyer, Chairman
Richard J. Beamish, Vice Chairman
Linda J. Alexander
Richard Eliason
Allan T. Sheppard
George A. Wade

Commission Staff

Donald A. McCaughran, Director
Stephen H. Hoag, Assistant Director
Calvin L. Blood
William G. Clark
Tracee O. Geernaert
Heather L. Gilroy
Steve M. Kaimmer
Michael J. Larsen
Gerald A. Lariviere
Ian R. McGregor
Ana M. Parma
Gordon J. Peltonen
Phyllis J. Severeid
Patrick J. Sullivan
Robert J. Trumble
Gregg H. Williams

Advisors

Bruce Leaman
Loh-Lee Low

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SCHEDULE OF SESSIONS

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PUBLIC SESSION agenda

SUMMARY OF MAJOR DECISIONS

RECOMMENDED REGULATIONS

1. Approved a catch overage plan for the Canadian Individual Vessel Quota (IVQ) fishery.
2. Agreed to encourage both governments to enact reporting requirements with regard to the halibut fishery off the Russian coast.
3. Catch limits and fishing period dates were established for all areas.
4. The catch sharing plan requested by the Pacific Fishery Management Council for Area 2A was adopted.
5. IPHC licensing of Area 2B commercial halibut vessels will be discontinued.
6. Nazan Bay was added as a clearance location for non-resident fishermen in Area 4B.
7. The definition of a "daily bag limit" for the recreational fishery was revised.
8. A 32-inch minimum size limit for the recreational fishery off Canada was adopted.
9. The possession limit in the recreational fishery off Canada was changed to three fish.

RESEARCH

1. Approved a total research budget of \$212,000, which included \$50,000 for an observer program for the Canadian trawl fishery. In addition, the Commission approved an expenditure of \$7,500 in support of a regional fisheries symposium if funds are available.
2. As analysis of U.S. observer data proceeded during 1992 and issues came up that warrant further analysis, the Commission would attempt to re-allocate funds for those projects and this could take place during a conference call.
3. Directed the staff to contact other agencies to obtain better information on the recreational catch.
4. Directed the staff to contact other agencies to improve the accuracy of subsistence and other unaccounted removals.
5. The Commission instructed the Director to pursue the inviting of a scientist from Russia to the 1993 Annual Meeting.

ADMINISTRATIVE

1. Approved minutes for the 1991 Annual Meeting, Special Bycatch Meeting, and Interim Meeting.
2. Approved an amended 1992-1993 budget and U.S. budgets for 1992-1993 and 1993-1994.
3. Agreed to retain the firm of Coopers and Lybrand for the 1992 audit.
4. Instructed the Director to send letters to the U.S. fishery management councils in support of rationalizing the fishery.
5. The Commission agreed to hold the 1993 Annual Meeting during January 25-28 in Vancouver, B.C.
6. The Commission's Halibut Bycatch Work Group will hold a meeting in July - possibly in Juneau - to review bycatch in 1992.
7. Dr. Beamish was selected chairman for 1992.
8. Mr. Pennoyer was selected vice-chairman for 1992.

INTERNATIONAL PACIFIC HALIBUT COMMISSION

MINUTES OF THE SIXTY-EIGHTH ANNUAL MEETING

Seattle, Washington

ADMINISTRATIVE SESSION - Monday, January 27, 1992

The meeting was convened by Chairman Pennoyer at 8:30 a.m. The agenda was reviewed and no changes were made.

A brief discussion ensued of the reports to be given by the staff in the Public Session scheduled for the afternoon. Dr. McCaughran presented the Blue Book which contained all the staff reports and which will be available to the public at the session. Dr. Sullivan distributed a chart which illustrated effects of the changes made to this year's stock assessment.

In administrative matters, the Commission adopted the minutes of the 1991 Annual Meeting, the minutes of the Special Bycatch Meeting held in July, 1991, and the minutes from the Interim Meeting in November, 1991.

Mr. Lariviere reviewed the financial report for fiscal year 1991-1992 for the Commission. Dr. Wade noted that the Commission expenses were within one percent of the overall budget for the year, with which he was quite pleased. Mr. Lariviere reviewed the status of working funds and budgets for 1992-1993 and 1993-1994. He noted a decrease by the United States and Canada in the 1992-1993 budget and submitted an amended budget, which was approved by the Commission. The director discussed the amended 1992-1993 budget and the possible need for a research program line item. Mr. Lariviere also reviewed the 1992-1993 budget for the Commission. The staff advised the Commission that an Individual Fishery Quota (IFQ) program for the halibut fishery off Alaska would likely increase the cost of sampling, perhaps substantially.

The Commission's U.S. budgets for 1992-1993 and 1993-1994 were also discussed. It was noted that a reduction in research programs would probably be necessary if the U.S. budget is not 100% funded. The U.S. budgets were approved without objection.

Concerning the annual audit, it was decided to retain the firm of Coopers and Lybrand for 1992. A brief discussion of the fee concluded that the fee was reasonable and not inappropriate.

The status of the pension funds was discussed and Mr. Lariviere indicated that the pension funds

continue to be over-funded. The Commission discussed the probable need to resume contributions at some future date and that this be added to the Commission's budget so it is not caught off-guard and unable to fulfill its obligations. The staff proposal for early retirement incentives were also discussed. Mr. Lariviere reported that the Pension Society informed him it was not possible to institute such a program unless all U.S. commissions adopted a similar program. Since this proposal is not coming forth from all commissions, the proposal will be dropped.

Several areas of research were discussed with the staff. Dr. Sullivan described the changes to the assessment procedures. The inclusion of subsistence catches in the assessment was also discussed, which lead to a discussion of the nature of this type of removal and the need for reliable and accurate estimates. On another topic, Dr. Beamish distributed a document which detailed Russian research on Pacific halibut found off the Russian coast in the western Bering Sea. Further discussion of this topic was scheduled for tomorrow. The morning session was then adjourned.

PUBLIC SESSION - Monday, January 27, 1992

Chairman Pennoyer called the session to order and delivered his opening remarks, including the introduction of government advisors and retired commissioners in attendance. On behalf of the U.S. National Marine Fisheries Service (NMFS), Mr. Pennoyer presented past commissioner Mr. Gordon Jensen a plaque of commendation in recognition of his long history of involvement in the halibut fishery.

Mr. Pennoyer then asked Dr. McCaughran to proceed with the staff reports. Ms. Heather Gilroy reported on the 1991 fishery, Dr. Robert Trumble spoke of the status and research underway concerning halibut bycatch in other fisheries, Dr. William Clark reported on the changes in the average weight of halibut among areas of the coast and the effect on catch limits and stock assessment, and Dr. Sullivan reviewed this year's stock assessment. Lastly, Mr. Hoag presented the staff's proposals for catch limits and other regulations for the 1992 season.

Following a short break for coffee, the meeting was opened for questions or presentations from the floor. Questions were directed towards several topics: (1) the fishing period limits proposed by the staff; (2) the fishery for Pacific halibut occurring off the coast of Russia and lack of reporting requirements and information on catch levels; (3) halibut bycatch occurring in groundfish fisheries off Alaska and Canada; (4) a lack of action by the North Pacific Fishery Management Council (NPFMC) to reduce halibut bycatch by 10% per year as recommended by the Commission's Halibut Bycatch Work Group; (5) discard mortality rates for halibut bycatch; (6) rationale for the staff-proposed catch limits for Areas 2A, 2B, and 2C; (6) bag and possession limits for recreational fishermen; (7) allowances for retention of incidentally caught halibut in the troll fishery; (8) the proposal for an IFQ fishery for halibut off Alaska; (9) the need for information on Bering Sea stocks, especially on the relationship between the eastern and western Bering Sea components; (10) several comments regarding the addition of Russia to the Halibut Convention; (11) the 1991 Individual Vessel Quota (IVQ) fishery off Canada.

ADMINISTRATIVE SESSION - Tuesday, January 28, 1992

The Commission started the session by reviewing the proposed 1992 research plan with Drs. Sullivan and Trumble. Following Dr. Sullivan's presentation of assessment projects, Dr. Trumble outlined the proposed bycatch studies. Funding of the Area 2B observer program was discussed and Dr. Beamish spoke to the current status of the Department of Fisheries and Ocean's (DFO) program and the new focus on an observer program. Under the topic of biological studies, it was noted that funding was no longer needed for several studies. On a related topic, Dr. Beamish briefed the Commission on the proposed new management agency for Canada's west coast fisheries. Dr. McCaughran outlined a request for partial funding of \$7,500 for a regional fishery symposium, which the Commission approved if the funds are available. Dr. Beamish briefed the Commission on the status of PICES and its ratification.

The Commission proceeded with the discussion of funding and prioritization of research projects. The Commission agreed to provide \$50,000 to Canada for observer work from the 1992-1993 fiscal year budget. It was also agreed that as analysis of U.S. observer data proceeded during 1992 and issues come up that warrant further analysis, the Commission would attempt to re-allocate funds for those projects and this could take place during a conference call. Finally, there was a motion to approve the budget and it was adopted unanimously. In summary, the Commission approved a total research budget of \$212,000, which included (1) dropping the halibut rearing project (\$20,000) and (2) the addition of \$50,000 for an observer program for the Canadian trawl fishery. Also, the Commission approved an expenditure of \$7,500 in support of a regional fisheries symposium if funds are available.

After a short break for coffee, the Commission discussed several topics. First, the staff reviewed the sport fishery based in Neah Bay, Washington operating in Canadian waters. Second, Dr. McCaughran lead a discussion on possible future reductions in halibut size limits.

Next, Mr. Bruce Turriss of DFO gave a report on the 1991 IVQ fishery for halibut off Canada. Costs of monitoring and enforcement were reviewed. Follow-up questions focused on transferability and stack-ability of quota on vessels. Additional discussion took place on the catch overage plan that has been developed by the staff and DFO. It was decided that IPHC regulations would provide a general reference, but the specifics would be left to DFO. On a related topic, the Commission discussed the staff proposal to discontinue licensing of Canadian commercial halibut vessels. Final action would be taken in the Thursday session. The Commission also heard a report on the status of the plan for an ITQ program for the Alaska fishery.

Ms. Eileen Cooney, NOAA General Counsel, Northwest Region, briefed the Commission on the status of the Makah Indian lawsuit. She indicated that oral arguments are scheduled for February 10, with a decision shortly thereafter. Ms. Cooney also mentioned that there has been an agreement on inter-tribal allocation.

Discussion returned to the sport catch by American fishermen in Canadian waters. The

discussion focused on the charter boat fishery in Alaska and the use of mandatory log books and mandatory licensing. Mr. Gary Saunders, Alaska Department of Fish and Game (ADF&G), briefed the Commission on the department's program for the sport fishery currently under development. Mr. Pennoyer requested that staff send letters to agencies involved with halibut sport catch statistics, notifying them that IPHC is reviewing the need for improved accuracy in catch reporting in the coming year.

An extended discussion occurred concerning the halibut fishery by U.S. fishermen off the Russian coast this past winter. The staff proposed several research projects to gain an understanding of the relationships to the eastern Bering Sea. Dr. McCaughran mentioned a letter that he expects to send to the Director of the Lab in Vladivostok. Mr. Pennoyer mentioned that efforts are being made by several agencies to contact Russian agencies. He noted the work of the Intergovernmental Consultative Committee (ICC), which is coordinating U.S. and Russian fisheries research in the Bering Sea. Mr. Pennoyer also mentioned the work of PICES and noted a meeting to be conducted in about a month in Seattle with Russian representatives over fisheries matters of mutual concern. Dr. McCaughran agreed to prepare a report for the Commission to brief them on his discussions with Russian scientists. Dr. Beamish reviewed a book that he had obtained on a recent visit to the Soviet Union and the halibut research that it contains. Dr. Low also briefed the Commission on cooperative Japanese/Soviet longline surveys conducted the last few years and the possibility of obtaining reports through the International North Pacific Fisheries Commission (INPFC). The next issue was a possible invitation to the Russian Government to join the Halibut Convention. There was some discussion of what it would entail, how to go about it, and the justification for such an invitation. The Commission decided that no action would be taken at this time.

Another issue on this topic was a request in the public session for the Commission to pass regulations affecting catches landed in U.S. or Canada of fish caught in Russian waters. Mr. Pennoyer commented that effort is already under way to provide regulations for catch reporting, permitting, and clearances for vessels in this fishery. He thought the regulations would be coming forth rather quickly. Legal interpretation of the Halibut Convention indicates the Commission probably does not have jurisdiction over fish caught outside of Convention waters, so there is not much the Commission can do. Mr. Jon Pollard, NOAA General Counsel, Alaska Region, reviewed the Commission's jurisdiction of authority that is found in the Convention. Dr. McCaughran was asked to include an inquiry about management strategies for the halibut stocks off Russia in his letter to Russian authorities.

Concerning bycatch management, the national sections exchanged reports on bycatch measures during 1991 and 1992 and each section reviewed its report with the Commission. Dr. Beamish presented to the Commission two additional reports on bycatch research in the Canadian zone, the first being a discard study summary report and second a proposal for bycatch monitoring program for 1992-1993.

The Commission heard an enforcement report from Mr. Dave Flannagan and Mr. Forrest Carvey of the National Marine Fisheries Service. Mr. Flannagan outlined an investigation of fresh halibut

being sold illegally in restaurants and his efforts with the investigations of halibut caught in the Russian zone. Follow up questions centered on the general enforcement problems with all Bering Sea fisheries, including the check in and check out provisions for the U.S. Area 4 fishery.

A brief discussion took place on the format of the Commission annual reports. Dr. McCaughran reviewed the changes made in the 1990 Annual Report. It was generally agreed that the new format represents an improvement.

The Commission returned to a discussion of the staff's stock assessment for 1992. Several issues were addressed, including the effect on an area's catch limit if the previous year's limit was exceeded, the effect of lowering the size limit on Area 2B catch limits, the effect of adopting the 1991 catch limits for 1992, and the effect of setting catch limits for 1992 lower than the limits recommended by the staff. The staff was requested to prepare a report that would analyze the impact of fishing for one to two years at a reduced level in an attempt to "stockpile" fish, then fishing at a higher rate in the third or fourth year. Trends in halibut abundance as indicated by NMFS trawl surveys were discussed by Dr. Clark. The effect of the 1987 year class on catches in upcoming years was also discussed.

An extended discussion occurred on the subject of subsistence catches. Dr. McCaughran explained the relationship between sport catches and subsistence harvests. Mr. Pennoyer presented additional information on the amount that is taken with rod and reel and with longline gear, based on an ADF&G study. Substantial discussion ensued over what constitutes subsistence catch and what constitutes sport catch. It was agreed that there is a need for an accurate accounting of removals and that staff should refine estimates of subsistence harvest. Dr. McCaughran indicated the staff will get in contact with ADF&G in an attempt to refine the subsistence harvest estimates.

ADMINISTRATIVE SESSION - Wednesday, January 29, 1992

The session was called to order by the Chairman. The discussion returned to the subsistence issue. While it was agreed that most of the halibut taken by rod and reel are reported by ADF&G in the recreational catch figures, an unreported catch occurs in the form of fish taken home from other commercial fisheries. Mr. Gary Sanders reviewed ADF&G efforts towards estimating subsistence and indicated he will confer with the Commercial Fish Division staff to further understand monitoring of subsistence catches. Dr. McCaughran indicated the IPHC staff could inquire about take-home fish during the log book sampling interviews.

Mr. Pennoyer noted for the record that there are several estimates of subsistence catch and it is not well understood what they represent, making it difficult to include a best estimate of subsistence removal when setting the 1992 commercial fishery catch limits. There was general agreement that there is an unreported catch occurring, but it is unclear exactly how much. There was also general agreement that it is more appropriate to refer to this type of removal as "personal use". The staff was instructed to provide estimates of the "personal use" harvest in future years.

The Commission next discussed the regulatory proposals made by staff and various industry participants. There was substantial discussion over the staff's proposed trip limits for Area 4, particularly the justification for the specific amounts and how they were derived.

Following a break for coffee, the overage plan for the Canadian IVQ fishery was discussed. It was recommended the Commission adopt the overage plan in principal only. This recommendation is being reviewed by legal staff, who will report back to the Commission at a later session.

Dr. Beamish presented a Canadian proposal addressing bycatch in its trawl fishery. The proposal includes a target of one million pounds of bycatch mortality, down from the current level of 1.5 million pounds, although there is no projected time table for achieving this goal. DFO intends to have measures in place to achieve the target by January, 1993. Dr. Beamish and Mr. Pennoyer agreed to hold a meeting of the Commission's Halibut Bycatch Work Group in July, possibly in Juneau, to review bycatch in 1992.

The Commission instructed the Director to invite a scientist from Russia to the 1993 Annual Meeting to advise and consult the Commission on the Russian fishery and resource, with the Commission covering the travel cost.

On other matters, the Commission discussed the procedures for the joint meeting with the Conference Board scheduled for later in the day. Also discussed was an agenda for the public meeting on Thursday. The Commission agreed to hold the 1993 Annual Meeting during January 25-28, in Vancouver, B.C. They also reviewed proposed language for the letter to governments pertaining to the fishery operating off Russia. A brief discussion ensued over the sizes of fish being retained by vessels in this fishery and the amount of fish landed and reported. The Commission also received a report by the Bristol Bay Halibut Cooperative and discussed the amount of sublegal fish taken and released in the Area 4E Bristol Bay fishery. The meeting was then adjourned for lunch.

Following the lunch break, the Commission took up the catch sharing plan requested by the Pacific Fishery Management Council for Area 2A. Mr. Joe Scordino, NMFS, described the composition of the plan and noted that the treaty Indian fishery share was actually composed of two parts - a ceremonial and subsistence (C&S) portion of 10,000 pounds and the commercial fishery portion which comprised the remainder. He stated that the 10,000 pounds is a goal which will actually be tabulated at the end of the C&S fishery. Dr. Beamish asked the staff about the status of studies on Area 2A bycatch. Mr. Scordino also responded with the status of the Pacific Council's efforts at establishing observer programs for domestic fisheries in Area 2A. The meeting was adjourned and everyone moved to the joint meeting with the Conference Board.

COMMISSION/CONFERENCE BOARD SESSION - Wednesday, January 29, 1992

The results of the Conference Board deliberations were reported to the Commission by Mr. Bob Alverson and Mr. Phil Eby, Co-Chairmen of the Conference Board. The recommendations of the Conference Board are contained in the Conference Board minutes, which are appended to these minutes. Mr. Alverson noted the Conference Board requested the Commission support the Pacific Council's efforts in developing an individual quota system for the commercial and recreational fisheries off the Pacific Coast. Following that discussion, the Commission adjourned its joint meeting with the Conference Board.

ADMINISTRATIVE SESSION - Wednesday, January 29, 1992

The Commission reconvened the Administration Session to review the recommendations of the Conference Board. The Commission discussed the Conference Board's catch limit recommendation for Area 2B and their recommendations for fishing period limits in Areas 4D, 4C, and 4B. Concern was expressed for the fishing period limits recommended by the Conference Board, which were larger than those proposed by the staff. The Commission reviewed draft language from legal staff regarding adoption and inclusion of the catch overage plan for the Area 2B IVQ fishery. Mr. Pennoyer read the proposal into the record. In addition, there was discussion of a modification to the proposal to include a minimum poundage requirement.

Mr. Eliason requested that the staff prepare a set of fishing period limit options for a 24-hour and 48-hour clean-up fishing period in Area 2C. After discussion, it was agreed that the staff would prepare the aforementioned options and distribute to the Commission prior to their usual telephone conference call.

The Commission also discussed the Conference Board's proposals for changing the Canadian recreational fishery possession limit and closure of Swiftsure Bank to all halibut fishing. The effects of these, plus adding a size limit to the Canadian recreational fishery, was largely unknown because of a lack of data. Dr. McCaughran stated that the staff would be examining the effect of this change in recreational fishery regulations during 1992.

After a break for coffee, the Commission resumed its discussion of the Conference Board's recommendations and briefly discussed the Conference Board request for Commission support of bycatch limitation measures for the Canadian trawl fishery operating in Area 2B. They also looked at a draft of the News Release which contained relevant information decided thus far in the meeting.

COMMISSION/PUBLIC SESSION - Thursday, January 30, 1992

The chairman called the meeting to order. Catch limits were adopted at the level requested by the Conference Board for all areas, except for Area 4C and 4D, where the staff recommendations were adopted. The Area 2A catch sharing plan requested by the Pacific Fishery Management Council

was adopted as presented. Season dates were adopted for all areas as recommended by the Conference Board, with some minor exceptions. Notable was that all cleanup fishing periods for Area 2C, 3A, and 3B would be 48 hours in length, rather than 24 hours as suggested by the Conference Board. Also, the Commission noted that it had received advice from legal counsel that the Conference Board season recommendation for Area 4B was not within the Commission's authority. A modified proposal for Area 4B was then put forth by the staff and adopted by the Commission. Regarding Area 4E, it was noted that provisions are already in effect for transferring unused quotas, clearances, and trip limits.

The Commission allowed the staff flexibility to determine appropriate fishing period limits for the Area 2A non-treaty commercial fishery after the staff gathers as much information as possible prior to the opening. Area 2A fishermen will be notified of the limit at that time. The Commission also gave the staff allowances to implement fishing period limits in the August 6 fishing period in Area 4A.

Mr. Pennoyer noted the need for better interaction between the Commission and the Conference Board to be able to discuss Conference Board recommendations which are viewed as not workable or need for further explanation. He suggested perhaps a rescheduling of sessions or some other means of improving communications.

In other decisions, the Commission adopted regulatory language to implement the catch overage plan for the Canadian IVQ fishery. Also in regards to Area 2B, licensing of commercial halibut vessels by IPHC will be discontinued. A set of changes to the Area 4 clearance requirements was approved. In addition, Nazan Bay was added as a clearance location for non-resident fishermen. The definition of a daily bag limit for the recreational fishery was revised as proposed by staff.

A Conference Board recommendation for a setline survey in Area 2A was not approved due to a lack of research funds. Recognizing the need for better information on the Area 2A stock, the Commission instructed the staff to prepare a report on the ramifications of conducting a setline survey in Area 2A, i.e., costs, personnel requirements, time involved, etc.

A proposal by the Conference Board to close the Area 2B portion of Swiftsure Bank, which straddles Areas 2A & 2B, was not acted upon because it was viewed as a Canadian domestic issue.

Following much discussion, the Commission approved a 32-inch minimum size limit for the Canadian recreational fishery. Further, the possession limit was changed to three fish.

With regards to the halibut fishery off the Russian coast, the Commission agreed to encourage both governments to enact the necessary reporting requirements as quickly as possible and to send staff to Russia. The U.S. section agreed to bring this issue up at the meeting of the ICC between U.S. and Russian scientists scheduled for this summer.

On bycatch issues, Mr. Pennoyer informed those in attendance that the Commission has agreed to

supply additional funding to Canada for their program for 1992. He also commented on the North Pacific Fishery Management Council's bycatch reduction measures currently under way.

The Commission instructed the director to send letters to both the Pacific and North Pacific Councils in support of rationalizing the fishery in the respective jurisdictions. Dr. Wade expressed his serious concern over the lack of action by the U.S. in its efforts to rationalize the fishery during his tenure as commissioner and asked that the letters to governments express urgency in dealing with these issues.

In a closing statement, Dr. Beamish complimented the U.S. for its recent actions to reduce halibut bycatch off Alaska. He noted that Canada is also attempting to reduce its bycatch problem and that Canadian scientists will be working with the staff to further refine the distribution of impacts so that Canadian halibut fishermen will benefit from these reduction measures. On another topic, he noted that the 60/40 division of the Area 2 catch remains Canada's long term goal even though there have been annual departures, with which Canada is concerned. Lastly, he was quite pleased with the manner in which this year's meeting was conducted and feels that this is the way that fishery management should take place.

In his closing remarks, Mr. Pennoyer noted that he was pleased to see the national sections discussing actual measures to manage bycatch and sees some real concrete actions being taken by both sides.

Finally, Dr. Beamish and Mr. Pennoyer were selected chairman and vice chairman, respectively, for 1992. The Commission granted the staff authority to clean up the wording in the recommended regulations, as long as the changes were not substantive or change the intent.

The meeting was adjourned.

Richard Beamish, Chairman

INTERNATIONAL PACIFIC HALIBUT COMMISSION

**SIXTY-EIGHTH ANNUAL MEETING
Seattle, Washington**

LIST OF PARTICIPANTS

Name	Agency/Org'n/Vessel	City, State/Prov
Barry Ackerman	Dept. of Fisheries & Oceans	Vancouver, B.C.
Robert Alverson	Fishing Vessel Owner's Assoc.	Seattle, WA
Curtis Anderson	Ketchikan Marine Charters	Ketchikan, AK
Rupe Andrews	Alaska Outdoor Council	Juneau, AK
William Aron	NMFS, Alaska Fisheries Science Center	Seattle, WA
Bill Arterburn	Central Bering Sea Fishermen's Assoc.	St. Paul Isl., AK
Greg Bargmann	Wash. Dept. Fisheries	Seattle, WA
Nazary Basargin	K-Bay Fisheries Assoc.	Homer, AK
Carol Batteen	Fishing Vessel Owner's Assoc.	Seattle, WA
Ed Best	IPHC staff - Retired	Seattle, WA
Gregg Best	HAB Representative	Comox, B.C.
Brian Bigler	Wards Cove Packing	Seattle, WA
Dan Bonney	Alaska Marine Lines	Seattle, WA
Anton Bowers	F/V Pandad	Sitka, AK
Craig Bowhay	Northwest Indian Fish Comm.	Forks, WA
Wilbur Brown, Jr	Kake Tribal Corp.	Kake, AK
John Bruce	Deep Sea Fishermen's Union	Seattle, WA
Charles Bruches	Consultant	Seattle, WA
Sigurd Brynjolfson	Pac. Coast Fishing Vessel Owner's Guild	Delta, B.C.
Ernest Carlson	F/V Desperado	Chignik, AK
Forrest Carvey	NMFS Enforcement	Seattle, WA
Linda Chaves	NMFS	Seattle, WA
Rick Clark	Westport Charters	Westport, WA
Neal Coenen	Oregon Dept. Fish & Wildlife	Newport, OR
Eileen Cooney	NOAA General Counsel	Seattle, WA
Steve Davis	LGL Alaska Research Assoc.	Anchorage, AK
Peter DeGreef	Pac. Coast Fishing Vessel Owner's Guild	Victoria, B.C.
William Dilday	U.S. Dept of State	Washington, DC
George Dirks	Atka Fishermen's Assoc.	Atka, AK
Robert Dolan	S.E. Fishermen's Coalition	Juneau, AK
Philip Eby	B.C. Fishing Vessel Owner's Assoc.	Vancouver, B.C.
Arne Einmo	F/V Polaris	Seattle, WA
David Flannagan	NMFS Enforcement	Juneau, AK
Dan Foley	North Pacific Processors	Seattle, WA
Bill Foster	Sitka Charter Boat Assoc.	Sitka, AK
Bert Foulds	Dept. of Fisheries & Oceans	Ottawa, ON
Sandy Fraser	B.C. Ministry of Agric & Fish	Victoria, B.C.
Judith Freeman	Wash. Dept. Fisheries	Olympia, WA

Steve Freese	NMFS	Seattle, WA
Robert Gerbracht	Ocean Fish & Far West	Vancouver, B.C.
Harvey Gifford	Pac. Coast Fishing Vessel Owner's Guild	Delta, B.C.
Art Goddard	Canadian Consulate	Seattle, WA
Pim Golden	Canadian Coast Guard	Vancouver, B.C.
Dan Gorham	Deep Sea Charters	Homer, AK
Jan Gorham	Homer Charter Assoc.	Homer, AK
Bud Graham	Dept. of Fisheries & Oceans	Vancouver, B.C.
Pete Granger	Seafood Producer's Coop.	Bellingham, WA
Shari Gross	Halibut Assoc. of North America	Seattle, WA
Tom Hampton	Sport Fisherman	Neah Bay, WA
Peter Hanson	Wash. State Charter Boat Assoc.	Neah Bay, WA
Jim Harp	Quinault Tribe	Forks, WA
Shigeto Hase	Int'l. North Pac. Fisheries Comm.	Vancouver, B.C.
Jim Heims	Sport fisherman	Poulsbo, WA
Terry Henshaw	Annieville Halibut Assoc.	Delta, B.C.
James Heston	Valdez Charter Boat Assoc.	Valdez, AK
Bill Hines	NMFS	Juneau, AK
Ralph Hoard	Icicle Seafoods	Seattle, WA
Harold Hoem	Fishing Vessel Owner's Assoc.	Twisp, WA
Dennis Jackson	Kake Tribal Corp.	Kake, AK
Clarence Jackson	Kake Tribal Corp.	Kake, AK
Gordon Jackson	Kake Tribal Corp.	Juneau, AK
Steve Jangaard	Fishing Vessel Owner's Assoc.	Seattle, WA
Gordon Jensen	Petersburg Vessel Owner's Assoc.	Petersburg, AK
Don Johannes	Annieville Halibut Assoc.	Delta, B.C.
Steve Joner	Makah Fisheries Management	Neah Bay, WA
Henrich Kakak, Sr.	Kake Tribal Corp.	Kake, AK
Bill Kelliher	K Fish Co & HANA	Edmonds, WA
Kathryn Kinnear	Kodiak Longliner's Assoc.	Kodiak, AK
Jack Knutsen	Fishing Vessel Owner's Assoc.	Seattle, WA
Rena Kudrin	IRA Tribal Council	St. Paul Isl., AK
Norma Larsen	F/V Valorous	Seattle, WA
Lloyd Larsen	F/V Valorous	Seattle, WA
Eric Larson	F/V Cindy Lee	Bellingham, WA
Bruce Leaman	Dept. of Fisheries & Oceans	Nanaimo, B.C.
Arne Lee	Fishing Vessel Owner's Assoc.	Seattle, WA
Loh-Lee Low	NMFS	Seattle, WA
Mark Lundsten	Fishing Vessel Owner's Assoc.	Seattle, WA
Bill Lutton	NMFS Enforcement	Seattle, WA
Joe Mahr	USCGC Ironwood	Kodiak, AK
Rick Malsed	Fishing Vessel Owner's Assoc.	Seattle, WA
Nivolaik Martushen	K-Bay Fisheries Assoc.	Homer, AK
Chuck McGurren	Kiwi Charters	Homer, AK
Jennifer McGurren	Kiwi Charters	Homer, AK
John McHenry	Fishing Vessel Owner's Assoc.	Seattle, WA
Patrick McKay	Glacier Angler Charters	Valdez, AK
David McLean	Wards Cove Packing	Seattle, WA
Steve Meadows	Quileute Tribe	LaPush, WA
Basso Menzies	Prince Rupert Vessel Owner's Assoc.	Prince Rupert,

B.C.		
Scott Meyer	ADF&G	Anchorage, AK
Mel Moon	Quileute Tribe	LaPush, WA
Gary Moore	Wards Cove Packing	Seattle, WA
Wakako Morris	INPFC	Vancouver, B.C.
Sam Murad	Wards Cove Packing	Seattle, WA
William Nicholson	Bristol Bay Longline/Gillnet Co-op	Dillingham, AK
Don Nordstrom	Farwest Fisheries, Inc.	Seattle, WA
Eric Norman	Pelican Seafoods	Pelican, AK
Norman Norman	UFAWU	Vancouver, B.C.
Kris Norosz	Petersburg Vessel Owner's Assoc.	Petersburg, AK
Jacob Nyce	Northern Native Fishing Corp.	Prince Rupert,
B.C.		
Tory O'Connel	ADF&G	Sitka, AK
Chris Oliver	North Pacific Fishery Management Council	Anchorage, AK
Eric Olsen	Fishing Vessel Owner's Assoc.	Seattle, WA
Helmut Opolka	Fishing Vessel Owner's Assoc.	Seattle, WA
David Osterback	Peninsula Marketing Assoc.	Sand Point, AK
Ron Pennington	sport fisherman	Neah Bay, WA
Michael Pettis	F/V Challenge	Newport, OR
Bryon Pfundt	Petersburg Vessel Owner's Assoc.	Petersburg, AK
Iliodor Philemonof	Central Bering Sea Fishermen's Assoc.	St. George Isl.,
AK		
Perfenia Pletnikoff	Central Bering Sea Fishermen's Assoc.	St. Paul Isl., AK
Jonathan Pollard	NOAA General Counsel	Juneau, AK
Clinton Riis	Farwest Fisheries, Inc.	Seattle, WA
Bob Ringo	Bureau of Indian Affairs	Portland, OR
Joe Rohleder	Oregon Coast Charterboat	Waldport, OR
John Roos	Pacific Seafood Processors Assoc.	Seattle, WA
Gary Sanders	Ak. Dept. Fish & Game	Juneau, AK
Michael Sandra	Pac. Coast Fishing Vessel Owner's Guild	Comox, B.C.
Kevin Sather	Fishing Vessel Owner's Assoc.	Bothell, WA
Drew Scalzi	North Pacific Fisheries Assoc	Homer, AK
Dale Schwarzmiller	Peter Pan Seafoods	Seattle, WA
Joe Scordino	NMFS	Seattle, WA
John Secord	B.C. Fishing Vessel Owner's Assoc.	Vancouver, B.C.
Dave Serts	USCGC Ironwood	Kodiak, AK
Steve Shapiro	Pacific Fishing magazine	Seattle, WA
Ralph Shaw	Sport Fishing Advisory Board	Vancouver, B.C.
Tom Shields	Archipelago Marine Research	Victoria, B.C.
Darrel Shreve	Valdez Charter Boat Assoc.	Valdez, AK
Bob Sicard	F/V Talon	Petersburg, AK
Mark Snigaroff	Atka Fishermen's Assoc.	Atka, AK
Tom Spelta	Seattle Seafoods	Seattle, WA
Steve Spleen	Washington Trollers Assoc.	Bellevue, WA
Rick Steen	Sport Fishing Advisory Board	Duncan, B.C.
Bob Steinbock	Dept. of Fisheries & Oceans	Ottawa, ON
Jeff Stephan	United Fishermen's Marketing Assoc.	Kodiak, AK
Clyde Sterling	Peter Pan Seafoods	Seattle, WA
Russell Surc	Makah Fisheries Management	Neah Bay, WA

James Swift	ALFS	Sitka, AK
Joe Terry	NMFS, Alaska Fisheries Science Center	Seattle, WA
Harold Thompson	Sitka Sound Seafoods	Sitka, AK
Arni Thomson	Alaska Crab Coalition	Seattle, WA
Bruce Turriss	Dept. of Fisheries & Oceans	Vancouver, B.C.
Robin Tuttle	NMFS	Washington, D.C.
John van Amerongen	Alaska Fisherman's Journal	Seattle, WA
Stanley Weikal	F/V Hombre	Mt. Vernon, WA
Dick Whittaker	Kake Tribal Corp.	Ketchikan, AK
Eric Wickham	Pac. Coast Fishing Vessel Owner's Guild	Vancouver, B.C.
John Wilks	North Pacific Halibut Fishermen's Assoc.	Qualicum, B.C.
Gary Williamson	B.C. Black Cod Assoc.	White Rock, B.C.
John Woodruff	Icicle Seafoods	Seward, AK
Robert Wurm	Kodiak Longline Assoc.	Kodiak, AK
Russ Wyatt	Alaska Troller's Assoc.	Juneau, AK
Richard Zacharof	IRA Tribal Council	St. Paul Isl., AK

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