

Elmer Rasmuson, Chairman
Jim H. Branson, Executive Director

Suite 32, 333 West 4th Avenue
Post Office Mall Building



Mailing Address: P.O. Box 3136DT
Anchorage, Alaska 99510

Telephone: (907) 274-4563
FTS 265-5435

CONTRACT NO. 77-3

THE DEVELOPMENT AND ENHANCEMENT OF A COMPUTERIZED FISHERIES INFORMATION SYSTEM

This contract, entered into between the North Pacific Fishery Management Council, hereinafter called "the Council," represented by the Executive Director executing this contract, and

Alaska Department of Fish and Game
Subport Building
Juneau, Alaska 99801

hereinafter called "the Contractor" witnesseth that the parties hereto do agree as follows:

ARTICLE I. STATEMENT OF OBJECTIVES AND WORK

OBJECTIVES

General: The Alaska Department of Fish and Game (ADF&G) will develop a fisheries information system which will provide the North Pacific Council with maximum utilization and accessibility of fisheries statistics for the development of Council management plans.

Specific:

1. The Alaska Department of Fish and Game (ADF&G) is to provide an updated computerized fisheries information system to handle fisheries data information.
2. The ADF&G is to provide a standardized computer program for the entry of fish ticket information from four regional offices into 3 computer terminal systems to be located in Kodiak, Anchorage and Juneau.
3. The ADF&G is to provide computer programming and recall capability for the entry into their computer system of all management and research related fishery statistics: i.e., weir counts, spawning counts, research results.
4. The ADF&G is to provide a system which will be compatible and coordinated with the computer programming capabilities

of the University of Alaska, the National Marine Fisheries Service and the North Pacific Fishery Management Council.

WORK

The above stated objectives will be met by establishing at each ADF&G Regional Office, a functional service of data entry, data control, data editing (and error correction) and data programming. In addition, the programming data file will be organized by each area for finfish and shellfish.

The development of the computer programs will be supervised by a three member interdisciplinary team from ADF&G. In addition, an ad hoc working review group composed of one National Marine Fisheries Service computer systems specialist, one ADF&G computer systems specialist, one University of Alaska computer systems specialist and the North Pacific Fishery Council will review on a regular basis the performance and the progress of the development of this software programming package.

ARTICLE II. COST AND TERMS OF PAYMENT

The Council agrees to pay and the Contractor agrees to accept as full payment for all services to be rendered under this contract the sum of \$197,600 over the 25-month contract period.

ARTICLE III. PERIOD OF CONTRACT

Work shall commence September 1, 1977 and shall be completed by September 30, 1979.

ARTICLE IV. REPORTS

Progress reports will be presented to the Executive Director of the Council in a timely fashion for each four-month period, with the first report due by February 1, 1978. In addition, the Executive Director will receive reports of all interdisciplinary and ad hoc reviews and meetings with the contractor.

ARTICLE V. CONTRACT MONITOR

Mrs. Judy A. Willoughby is hereby designated as the Contract Monitor. The Contract Monitor is responsible for the administration of this contract for the Council. Mrs. Willoughby is located at the Council's headquarter's office, 333 W. 4th Avenue, Suite 32, Post Office Mall Building, P.O. Box 3136 DT, Anchorage, Alaska 99510. Her telephone number is (907) 274-4563.

ARTICLE VI. PAYMENTS

Provisional payments for services under this contract may be made on the basis of \$10,300/month in arrears for the 1977-1978 calendar years and \$6,100/month for 1979 upon submission of an invoice to the Contract Monitor at the address specified in Article V above.

ARTICLE VII. GENERAL PROVISIONS

The attached "General Provisions," July, 1977, are incorporated herein and made a part of this contract.

The contract has been negotiated under Article 8 of the Council's Procurement Procedures. Award of this contract is in accordance with the Council's operational grant from National Oceanic and Atmospheric Administration.

The parties hereto executed this contract as of the day and year of the last signature date indicated below:

ALASKA DEPARTMENT OF FISH AND GAME

NORTH PACIFIC FISHERY
MANAGEMENT COUNCIL

BY: _____

BY: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL
General Provisions - July 1977
Fixed-Price Research and Other
Professional Type Services

1. Termination

The performance of work under this contract may be terminated by the Council whenever the Executive Director determines that such termination is in the best interest of the Council.

Any such termination shall be effected by delivering to the Contractor a Notice of Termination specifying the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective.

2. Non-Discrimination Clause

The Contractor shall comply with federal Executive Order 11246, entitled "Equal Employment Opportunity," as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR, Part 60).

3. Federal Access to Records

The Contract will provide the Council, the National Marine Fisheries Service, the Comptroller General of the United States, or any of their duly authorized representatives, access to any books, documents, papers, and records of the Contractor involving transactions relating to this contract for a period of three years after final payment.

SOLE SOURCE JUSTIFICATION

The \$197,000 contract by the Alaska Department of Fish and Game for the development and enhancement of a computerized fisheries information system represents a Sole Source Procurement as defined and described in the Council's Procurement Standards (number 7, page 5).

(a) The Alaska Department of Fish and Game offers a unique service in that it is the single agency responsible for designing, supplying, and gathering fish ticket (catch) information and the statistics necessary for the proposed computerized information system.

(c) The Alaska Department of Fish and Game has committed monies to purchase the computer "hardware" necessary to develop the information system. The contract would provide the software programming, which would utilize the proposed computer "hardware."

(e) The proposed contract is a continuation of an existing effort by the Alaska Department of Fish and Game to work with and develop fisheries information systems.

IN SUMMARY the Alaska Department of Fish and Game is a highly desirable non-controversial sole source for this contract. They are the originator and collector of the data system to be enhanced, they have already born the cost of the computer and have a major responsibility for management plan development with the North Pacific Fishery Management Council.

North Pacific Fishery

Management Council

Elmer Rasmuson, Chairman
Jim H. Branson, Executive Director

Suite 32, 333 West 4th Avenue
Post Office Mall Building



Mailing Address: P.O. Box 3136DT
Anchorage, Alaska 99510

Telephone: (907) 274-4563
FTS 265-5435

Contract NO. 77-4

INVESTIGATIONS ON CONTINENTAL ORIGIN OF SOCKEYE AND COHO SALMON IN THE AREA OF THE JAPANESE LAND-BASED FISHERY

This contract, entered into between the North Pacific Fishery Management Council, hereinafter called "the Council," represented by the Executive Director executing this contract, and

Fisheries Research Institute
College of Fisheries, WH-10
University of Washington
Seattle, Washington 98195

hereinafter called "the Contractor" witnesseth that the parties hereto do agree as follows:

ARTICLE I. STATEMENT OF OBJECTIVES AND WORK

OBJECTIVE

The study will determine, on the basis of sound scientific research, sufficiently detailed statistics from which to determine incidence of North American salmon in the land-based salmon fishery of Japan: as needed to assist in the statutory management of U.S. salmon throughout their migratory range under extended U.S. jurisdiction (P.L. 94-265).

WORK

1. The determination of the incidence of North American salmon will be accomplished by one or more of the following analytical methods:
 - a. Polynomial discriminate function analysis of scale characteristics:
 - b. Age composition and analysis:
 - c. and/or tagging.

2. The resultant scale analysis will take into account scale samplings from all major spawning systems in Asia and western Alaska and from catches of high seas research boats.
3. The age composition method will be analyzed in light of interpretative results of non-selective gillnet catches and other raw data.
4. Tagging studies will be initiated as a last alternative if the first two methods provide inconclusive results.
5. The project will require a comprehensive report to gather summarized information on the fishery and the salmon stocks immediately around and within the area of the landbased fishery.
6. In conjunction with the major objectives, a feasibility study will be performed on the use of tagging experiments.

ARTICLE II. COST AND TERMS OF PAYMENT

\$44,500.00 total price.

ARTICLE III. PERIOD OF CONTRACT

Work shall commence October 31 and shall be completed by September 30, 1978 unless extended by written mutual agreement.

ARTICLE IV. REPORTS

Interim progress reports are to be made to the Executive Director of the Council and are due on February 1, 1978; June 1, 1978, and October 1, 1978.

ARTICLE V. CONTRACT MONITOR

Mrs. Judy A. Willoughby is hereby designated as the Contract Monitor. The Contract Monitor is responsible for the administration of this contract for the Council. Mrs. Willoughby is located at the Council's headquarters office, 333 W. 4th Avenue, Suite 32, Post Office Mall Building, P.O. Box 3136 DT, Anchorage, Alaska 99510. Her telephone number is (907) 274-4563.

ARTICLE VI. PAYMENTS

Provisional payments for services under this contract may be made on the basis of \$3,700 per month in arrears upon submission of an invoice to the contract monitor at the address specified in Article V above.

ARTICLE VII. GENERAL PROVISIONS

The attached "General Provisions," July 1977, are incorporated herein and made a part of this contract.

The contract has been negotiated under Article 8 of this Council's Procurement Procedures. Award of this contract is in accordance with the Council's operational grant from National Oceanic and Atmospheric Administration.

The parties hereto executed this contract as of the day and year of the last signature date indicated below:

FISHERIES RESEARCH INSTITUTE
UNIVERSITY OF WASHINGTON

NORTH PACIFIC FISHERY
MANAGEMENT COUNCIL

BY: _____

BY: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL
General Provisions - July 1977
Fixed-Price Research and Other
Professional Type Services

1. Termination

The performance of work under this contract may be terminated by the Council whenever the Executive Director determines that such termination is in the best interest of the Council.

Any such termination shall be effected by delivering to the Contractor a Notice of Termination specifying the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective.

2. Non-Discrimination Clause

The Contractor shall comply with federal Executive Order 11246, entitled "Equal Employment Opportunity," as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR, Part 60).

3. Federal Access to Records

The Contract will provide the Council, the National Marine Fisheries Service, the Comptroller General of the United States, or any of their duly authorized representatives, access to any books, documents, papers, and records of the Contractor involving transactions relating to this contract for a period of three years after final payment.

North Pacific Fishery

Management Council

Elmer Rasmuson, Chairman
Jim H. Branson, Executive Director

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Anchorage, Alaska 99510

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CONTRACT NO. 77-5

AN OBSERVER PROGRAM FOR THE DOMESTIC GROUND FISH FISHERY IN THE GULF OF ALASKA

This contract, entered into between the North Pacific Fishery Management Council, hereinafter called "the Council," represented by the Executive Director executing this contract, and

Alaska Department of Fish and Game
Support Building
Juneau, Alaska 99801

hereinafter called "the Contractor" witnesseth that the parties hereto do agree as follows:

ARTICLE I. STATEMENT OF OBJECTIVES AND WORK

OBJECTIVES

1. The study will provide specific information on the impacts of the developing domestic groundfish fishery in the Gulf of Alaska on presently exploited commercial fisheries: halibut, crab and shrimp.
2. The study will provide information on the potential impacts of the groundfish fishery on other species including, but not limited to flounder, sole, rockfish, blackcod, grey or true cod, and shrimp.
3. The study will provide specific biological information on the length, weight, age, sex and composition of all species in the commercial catch.
4. The study will also provide information describing generally the state of the art, gear efficiency, and the mechanics of fishing and delivery.

WORK

The objectives of this project will be accomplished by:

1. Providing continuous sampling coverage of at least 25 percent of the fishing activity;

2. by accurately assessing catch rate statistics: catch per species per unit of gear per time;
3. by sampling from a percentage of each catch monitored and counting and estimating the species composition sample for a total catch estimate;
4. by physically sampling the catch for the biological information on length, weight, age and sex.

ARTICLE II. COST AND TERMS OF PAYMENT

The Council agrees to pay and the Contractor agrees to accept as full payment for all services to be rendered under this contract, the sum of \$50,000 a year, for up to two years.

ARTICLE III. PERIOD OF CONTRACT

Work shall be commenced October 31, 1977 and shall be completed by September 30, 1979 unless altered by written mutual agreement.

ARTICLE IV. REPORTS

A complete and final report shall be presented to the Executive Director of the North Pacific Fishery Management Council upon conclusion of the 1979 fishing season and no later than September 30, 1979. In addition interim and informal monthly reports shall be made to the Executive Director during the fishing season.

ARTICLE V. CONTRACT MONITOR

Mrs. Judy Willoughby is hereby designated as the Contract Monitor. The Contract Monitor is responsible for the administration of this contract for the Council. Mrs. Willoughby is located at the Council's headquarters office, 333 W. 4th Avenue, Suite 32, Post Office Mall Building, P.O. Box 3136 DT, Anchorage, Alaska 99510. Her telephone number is (907) 274-4563.

ARTICLE VI. PAYMENTS

Provisional payments for services under this contract may be made on the basis of \$5,000 per month (not to exceed a total of \$50,000 a year, for up to two years) in arrears upon submission of an invoice to the Contract Monitor at the address specified in Article V above.

ARTICLE VII. GENERAL PROVISIONS

The attached "General Provisions," July 1977, are incorporated herein and made a part of this contract.

The contract has been negotiated under Article I of the Council's Procurement Procedures. Award of this contract is in accordance with the Council's operational grant from National Oceanic and Atmospheric Administration.

The parties hereto executed this contract as of the day and year of the last signature date indicated below:

ALASKA DEPARTMENT OF FISH AND GAME

NORTH PACIFIC FISHERY
MANAGEMENT COUNCIL

BY: _____

BY: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL
General Provisions - July 1977
Fixed-Price Research and Other
Professional Type Services

1. Termination

The performance of work under this contract may be terminated by the Council whenever the Executive Director determines that such termination is in the best interest of the Council.

Any such termination shall be effected by delivering to the Contractor a Notice of Termination specifying the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective.

2. Non-Discrimination Clause

The Contractor shall comply with federal Executive Order 11246, entitled "Equal Employment Opportunity," as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR, Part 60).

3. Federal Access to Records

The Contract will provide the Council, the National Marine Fisheries Service, the Comptroller General of the United States, or any of their duly authorized representatives, access to any books, documents, papers, and records of the Contractor involving transactions relating to this contract for a period of three years after final payment.

North Pacific Fishery

Management Council

Ed Rasmuson, Chairman
Jim H. Branson, Executive Director

Suite 32, 333 West 4th Avenue
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Mailing Address: P.O. Box 3136DT
Anchorage, Alaska 99510

Telephone: (907) 274-4563
FTS 265-5435

July 18, 1977

SOLE SOURCE JUSTIFICATION

The \$50,000 contract by the Alaska Department of Fish and Game for the development and coordination of a domestic observer program in the Gulf of Alaska Groundfish Fishery during 1978 represents a Sole Source Procurement as defined and described in the Council's Procurement Standards (number 7, page 5).

(b) The Alaska Department of Fish and Game have a long standing prior history of fisheries biology and management off Alaska. This familiarity and experience is unique and highly desirable for an observer program.

(e) The Alaska Department of Fish and Game have been deeply involved in and have made future plans for the biological monitoring and assessment of ocean fish stocks and their distribution and abundance as influenced by biological and fishing factors.

IN SUMMARY the domestic observer program is best served through the non-competitive contract award to the Alaska Department of Fish and Game because of their familiarity and on-going similar observer programs and history of working with the resource.

North Pacific Fishery

Management Council

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Jim H. Branson, Executive Director

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REQUEST FOR PROPOSAL

FOR A STUDY ON THE IMPACTS OF A COMMERCIAL HERRING FISHERY
ON THE ECONOMY AND VILLAGES OF THE ARCTIC/YUKON/KUSKOKWIM
AREA.

INTRODUCTION

The North Pacific Fishery Management Council was one of eight regional fishery management councils created by the Fishery Conservation and Management Act of 1976 (Public Law 94-265). The statutory purposes of the F.C.M.A. as they relate directly to the study here proposed are:

- o To promote domestic, commercial and recreational fishing under sound conservation management principles.
- o To provide for the preparation and implementation in accordance with national standards of fishery management plans which will achieve and maintain on a continuing basis the optimum yield from each fishery, and
- o To encourage the development of fisheries which are currently under-utilized or not utilized by United States

fishermen, including bottom fish off Alaska.

The term "optimum yield" from each fishery means that amount of fish which will provide the greatest overall benefit to the nation with particular reference to food production and recreational opportunities and which is prescribed as such on the basis of the maximum sustainable yield as modified by any relevant economic, social, or ecological factor.

Any fishery management plan, including the Bering Sea and Aleutian Islands' groundfish management plan (which includes herring in the Arctic/ Yukon/Kuskokwim area), and any regulations promulgated to implement such plans, must be consistent with the following National standards for fishery conservation management:

- 1) Conservation and management measures shall prevent over-fishing while achieving, on a continuing basis, the optimum yield from each fishery.
- 2) Conservation and management measures shall be based upon the best scientific information available.
- 3) To the extent practicable, an individual stock of fish shall be managed as a unit or in close coordination.
- 4) Conservation and management measures shall not discriminate between residents of different States. If it becomes necessary to allocate or assign fishing privileges among various United States fishermen, such allocation shall be (A) fair and equitable to all such fishermen; (B) reasonably calculated

to promote conservation; and (C) carried out in such manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.

5) Conservation and management measures shall, where practicable, promote efficiency in the utilization of fishery resources; except that no such measure shall have economic allocation as its sole purpose.

6) Conservation and management measures shall take into account and allow for variations among, and contingencies in, fisheries, fishery resources, and catches.

7) Conservation and management measures shall, where practicable, minimize costs and avoid unnecessary duplication.

The Secretary of Commerce's Preliminary Management Plan regulating herring fishing in the eastern Bering Sea, dealt only with foreign fishing. In the determination of the total allowable foreign catch an estimate was made of the expected domestic catch for that species. The estimation of the domestic catch was based almost entirely on an indication that the subsistence fishery would take one thousand tons of herring. However, the domestic non-subsistence fishery, which was not regulated by the PMP (although State of Alaska regulations did apply), harvested approximately three times that amount.

This created two problems:

1) The unexpectedly high domestic harvest will require a reduction in the foreign harvest of herring during the next year, and

2) This commercial harvest created unexpected short term problems in the traditional subsistence fishery in the eastern Bristol Bay/ eastern Bering Sea area and created the potential for greater long term adverse effects to this area.

The Councils have been designed to receive a maximum amount of public input. All of the comments from this area verify the potential conflicts of an increasing domestic commercial fishery and the traditional and historic subsistence lifestyle. This valuable commercial herring fishery is now receiving a lot of attention and has been made possible, in part, through the use of joint ventures. The successes enjoyed in the herring fishery for 1977 have already led to substantial inquiries regarding expansion of commercial herring fishing in the eastern Bering Sea/Bristol Bay area. The Alaskan native villages of that area have expressed great concern as regards an increased commercial herring fishery. They feel it would be very detrimental to the economy and the villages of that area.

The study proposed here is part of the North Pacific Council's program to address these problems and to assure that, to the extent possible, the 1978 management plan for herring in that area satisfies national standards for optimum yield and the social and economic and biological factors involved in that determination, economic efficiency, non-discrimination, and practicable management costs. Particularly with respect to the social and economic values inherent in

optimum yield determination and understanding, it is necessary to evaluate this aspect in depth to consider various alternatives for management policies.

STATEMENT OF PURPOSE

The proposed study shall be designed to assess the impacts of the commercial herring fishery on the economy and on the villages of the Arctic/Yukon/Kuskokwim area including a comparison of various alternatives resulting from the development of the fishery.

STATEMENT OF WORK

1). The study should describe the level of traditional-historic and current-day subsistence dependence for herring in the AYK area. These descriptors should include numbers of villages, numbers of people, harvest levels and number and relative importance of uses made of the harvest.

2). The study should describe the relative importance of a subsistence herring fishery to area economic and social systems.

3). The study should describe and analyze the impact of possible scenarios for development of an expanding domestic commercial fishery, including but not limited to the following:

a.) Rejection of the commercial fishery possibilities

- b.) Development of commercial fisheries by:
 - 1. local residents
 - 2. non-residents (in AYK)
 - 3. the utilization of joint ventures with
Japan and Korea for herring fisheries

c.) Nondiscriminatory limited entry

d.) Manpower training programs, vessel and gear financing, etc.

5). The approaches to be used should include but should not be limited to the following:

a.) Demographic records survey

b.) Commercial fisheries catch statistics

c.) Subsistence statistics

d.) Economic statistics

e.) Personal interviews and relative observations

6). This comparative assessment of the impacts must develop materials which:

a.) Can be evaluated in the context of Public Law
94-265

b.) Relate to quantitative costs and benefits

c.) Have supportive documentation

d.) Will be practical and useful for the North Pacific Management Council's understanding in light of developing fishery management plans.

TIME SCHEDULE

Contract.: September 24, 1977 through April 1, 1978.

September 15, 1977.....Deadline for receiving proposals

September 24, 1977.....Contract award

December 1, 1977.....First progress report

February 1, 1978.....Second progress report

April 1, 1978.....Final report

The first progress report should include the scope, approach, and available information on the problem. The report will be provided to the Council, its Scientific and Statistical Committee and Advisory Panel for review. The second progress report should be an update on the first report and should be a complete analysis of alternatives based on existing information. The information contained in this report is expected to be included in the management plan development by the Council for herring in the eastern Bering Sea. The final report will confirm all preliminary reports and be used conclusively as a base-work document for future socio-economic determinations.

LEVEL OF FUNDING

Negotiable up to approximately \$50,000.

PROPOSAL SUBMISSION

Submit a narrative proposal including approach, manpower, and other resources available, resume of the principal investigators, and a proposed budget to:

Jim H. Branson, Executive Director
North Pacific Fishery Management Council
P. O. Box 3136-DT
Anchorage, Alaska 99510

by not later than September 15, 1977.

North Pacific Fishery

Management Council

Elmer Rasmuson, Chairman
Jim H. Branson, Executive Director

Suite 32, 333 West 4th Avenue
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Mailing Address: P.O. Box 3136DT
Anchorage, Alaska 99510

Telephone: (907) 274-4563
FTS 265-5435

REQUEST FOR PROPOSAL

TO INVESTIGATE THE RELATIVE MERITS OF VARIOUS TYPES OF JOINT U.S./FOREIGN VENTURES IN THE DEVELOPING COMMERCIAL FISHERY OFF ALASKA.

INTRODUCTION

The North Pacific Fishery Management Council was one of eight regional councils developed by the Fishery Conservation and Management Act of 1976 (Public Law 94-265). Under provisions and the declared purposes of the F.C.M.A. as related to the proposed study, the Act and the Councils are to:

- 1) Take immediate action to conserve and manage the fishery resources off the coast of the United States and the anadromous species and continental shelf resource of the United States;
- 2) To support and encourage the implementation and enforcement of international fishery agreements for the conservation and management of highly migratory species, and to encourage the negotiation and implementation of additional such agreements as necessary;
- 3) To promote domestic commercial and recreational fishing under sound conservation and management principles;

4) To provide for the preparation and implementation in accordance with national standards of fishery management plans which will achieve and maintain on a continuing basis the optimum yield from each fishery;

5) To encourage the development of fisheries which are currently under-utilized or not utilized by United States fishermen, including bottomfish off Alaska.

The stated policy of the Act as it relates to the proposed study is to permit foreign fishing consistent with the provisions of this Act.

The Act defines the following terms as they relate to the proposed study. The term "fishing" means the catching or attempted catching or any activity which could reasonably be expected to result in the catching, taking, or harvesting of fish, or any operation at sea in support of or in preparation for any activity described, is considered fishing. The term "fishing vessel" means any vessel, boat, ship or other craft which is used for or equipped to be used for, or of a type which normally is used for fishing, or aiding or assisting one or more vessels at sea in the performance of any activity relating to fishing, including but not limited to preparation, supply, storage, refrigeration, transportation or processing. The term "foreign fishing" means fishing by a vessel other than a vessel of the United States.

In general, any fishery management plan prepared and any regulation promulgated to implement such plan must be

consistent with the following national standards for fishery conservation and management:

- (1) Conservation and management measures shall prevent overfishing while achieving, on a continuing basis, the optimum yield from each fishery.
- (2) Conservation and management measures shall be based upon the best scientific information available.
- (3) To the extent practicable, an individual stock of fish shall be managed as a unit throughout its range, and interrelated stocks of fish shall be managed as a unit or in close coordination.
- (4) Conservation and management measures shall not discriminate between residents of different States. If it becomes necessary to allocate or assign fishing privileges among various United States fishermen, such allocation shall be (a) fair and equitable to all such fishermen; (b) reasonably calculated to promote conservation; and (c) carried out in such manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.
- (5) Conservation and management measures shall, where practicable, promote efficiency in the utilization of fishery resources; except that no such measure shall have economic allocation as its sole purpose.
- (6) Conservation and management measures shall take into account and allow for variations among and contingencies in, fisheries, fishery resources, and catches.
- (7) Conservation and management measures shall, where practicable, minimize costs and avoid unnecessary duplication.

The Preliminary Management Plan developed by the Secretary of Commerce for the groundfish in the Gulf of Alaska was

prepared for the foreign fishery off Alaska. The PMP estimated the expected domestic catch and then allocated surplus stocks to the foreign countries. However, the domestic catch is expanding and has the potential for an even greater expansion in the coming years. The expansion is, in part, due to two phenomena:

a) The domestic industry is financially attracted and consequently building to harvest formerly under-utilized species, i.e., tanner crab, pollock, black cod, true cod and other groundfish, and

b) The U.S. fisherman has been given the opportunity to enter new fisheries because foreign interests are offering ventures utilizing joint fishing/processing/transportation facilities currently operated by those foreign countries. It is this latter situation that has become a major problem insofar as such ventures may impact development of the U.S. processing industry, long term development of the U.S. groundfish fishery, and the management of the stocks in question.

The North Pacific Council will jointly sponsor, with the National Marine Fisheries Service during the month of August, a series of five public hearings for the expressed purpose of receiving public comment on joint ventures in the domestic fishing industry. Public response and information derived from these hearings and other comments the Council will receive, will have a broad effect on Council policy and the formation of Management Plans as they relate to joint/ventures.

The study proposed here is part of the North Pacific Council's program to more clearly understand and manage U.S./foreign joint fishing efforts in the domestic commercial fishery off Alaska. The study will assist in the implementation of Management Plans, and in the inter-relationship of the intent of the F.C.M.A., to the stated purpose, policy and management requirements of the Act.

STATEMENT OF PURPOSE

The proposed study shall be designed to provide legal, descriptive and exemplary models of the joint fishing possibilities off Alaska. The proposed study will include a comparison of the scenarios for developing fisheries with various types of joint ventures. The study will also suggest alternative management options for Council consideration in developing management plans that might include various types of joint ventures. The proposed study should differentiate between foreign ownership of American fishing companies and boats as a type of joint venture and American fishermen selling to foreign processors outside the Territorial sea, as the other type of joint ventures: the latter being most important in the study.

STATEMENT OF WORK

- 1.) The study should be designed to describe all types of joint ventures with specific reference to the levels of

involvement. The levels described should relate to primary catching and processing, secondary processing and shipping and tertiary treatments of the product.

2.) The proposed study should be designed to identify the proposed joint ventures which may operate off Alaska in 1978-79.

3.) The proposed study should assess the potential impacts of the various types and levels of joint ventures on the domestic commercial fishing industry and on consumers.

4.) The proposed study should describe the relative merits of each type of joint venture in terms of the current resources and the development of currently under-utilized species, i.e., tanner crab (C. opilio), and groundfish.

5.) The proposed study should be designed to provide a summary of the necessary changes to the F.C.M.A. to accommodate the legal analysis of joint ventures and their harmful or meritorious effects on the commercial fishing industry.

6.) The proposed study should approach:

a.) the problems in estimating the harvests from joint ventures;

b.) the problems in regulating joint ventures (State law, FCMA, customs, etc.);

c.) The problems in determining the respective reduction in foreign allocations;

d.) and the careful consideration of all recommendations so that they will be in conformity with the Fishery Conservation and Management Act (P. L. 94-265).

TIME SCHEDULE

Contract.: October 31, 1977 through April 1st, 1978

October 10, 1977.....Deadline for receiving proposals

October 31, 1977.....Contract award

December 1, 1977.....First progress report

February 1, 1978.....Second progress report

April 1, 1978.....Final report

The first progress report should include the scope, approach, and a list of all the available information and sources on the problem. It should not be a complete report but will nevertheless be provided to the North Pacific Council and its Scientific and Statistical Committee and Advisory Panel for review re: relevancy to the Gulf of Alaska, Groundfish MP/EIS. The second progress report must be an update of the first report and should include a fairly complete analysis of the predictive patterns of joint ventures and the resultant scenarios for incorporation into management plan development. This document is also expected to provide guidelines in the drafting of the management plan for the Bering Sea and Aleutian Island Groundfish fishery during 1979. The final report, due April 1, should include all relevant information and should include statements of conclusion for all requested statements of work and objectives.

LEVEL OF FUNDING

Negotiable up to approximately \$40,000.

PROPOSAL SUBMISSION

A narrative proposal indicating approach, manpower, and other resources available and a resume of the principal investigators and a proposed budget is requested to be sent to:

Jim H. Branson, Executive Director
North Pacific Fishery Management Council
P. O. Box 3136-DT
Anchorage, Alaska 99510

and not later than September 15, 1977.

North Pacific Fishery

Management Council

E. J. Rasmuson, Chairman
Jim H. Branson, Executive Director



Mailing Address: P.O. Box 3136DT
Anchorage, Alaska 99510

Suite 32, 333 West 4th Avenue
Post Office Mall Building

Telephone: (907) 274-4563
FTS 265-5435

REQUEST FOR PROPOSAL

TO CONDUCT AN OBSERVER PROGRAM FOR THE DOMESTIC GROUND FISH
FISHERY IN THE GULF OF ALASKA.

INTRODUCTION

The North Pacific Fishery Management Council was one of eight regional councils developed by the Fishery Conservation and Management Act of 1976 (P.L. 94-265). Under the provisions and the declared purposes of the FCMA as related to the purposed study, the Act and the councils are to:

- (1) Take immediate action to conserve and manage fishery resources off the coast of the United States and the anadromous species and continental shelf resource of the United States.
- (2) To promote domestic commercial and recreational fishing under sound conservation and management principles.
- (3) To provide for the preparation and implementation in accordance with national standards of fishery management

plans which will achieve and maintain on a continuing basis the optimum yield from each fishery.

(4) To encourage the development of fisheries which are currently under-utilized or not utilized by United States fishermen including bottomfish off Alaska.

The stated policy of the Act as it relates to this proposed study is to assure that the National Fishery Conservation Management program utilizes and is based upon best scientific information available: involves, and is responsive to the needs of interested and affected states and citizens: promotes efficiency, draws upon federal, state and academic capabilities in carrying out research, administration, management, and enforcement: and is workable and effective.

The Act defines the following terms as they relate to the proposed study. The term conservation and management refers to all of the rules, regulations, conditions, methods, and other measures (a) which are required to rebuild, restore or maintain and which are useful in rebuilding, restoring or maintaining any fishery resource in the marine environment and (b) which are designed to assure that (1) a supply of food and other products may be taken and that recreational benefits may be obtained on a continuing basis, (2) irreversible or long-term adverse effects on fishery resources in the

marine environment are avoided, and (3) there will be a multiplicity of options available with respect to future uses of these resources.

The term fishing means the catching or attempted catching or any activity which could reasonably be expected to result in the catching, taking or harvesting of fish or any operation at sea in support of or in preparation for any activity described is considered fishing.

In general, any fishery management plan prepared and any regulation promulgated to implement such plan must be consistent with the following national standards for fishery conservation and management:

- 1) Conservation and management measures shall prevent overfishing while achieving on a continuing basis the optimum yield from each fishery.
- 2) Conservation and management measures shall be based upon the best scientific information available.
- 3) To the extent practicable an individual stock of fish shall be managed as a unit throughout its range and interrelated stocks of fish shall be managed as a unit or in close coordination.

4) Conservation and management measures shall not discriminate between residents of different states.

5) Conservation and management measures shall where practical promote efficiency in the utilization of fishery resources except that no measure shall have economic allocation as its sole purpose.

6) Conservation and management measures shall take into account and allow for variations among and contingencies in fisheries, fishery resources and catches.

7) Conservation and management measures shall where practical minimize costs and avoid unnecessary duplication.

The Act specifically encourages the development by the U.S. industry into the currently non-utilized or under-utilized species found off Alaska. Alaska has witnessed one-year's rapid expansion into two formerly under-utilized species: tanner crab (Chionoecetes bairdi) and herring in the eastern Bering Sea. This expansion is now predicted in the bottomfish fishery, particularly in the north Gulf of Alaska for pollock. This expansion into the groundfish fishery in the Gulf of Alaska has been encouraged by the North Pacific Council and is being encouraged by at least

two major domestic processors and the possibility of one U.S.-foreign joint venture. Unfortunately, the shape and tenor of this expansion cannot be pinpointed as to the actual location of the fishery, the timing of the fishery, the magnitude of the fishing, and a predictable catch composition.

The study proposed here is part of the North Pacific Council's program to more clearly understand and manage the developing U.S. groundfish fishery off Alaska. Information derived from the study will become an integral part of the development of management plans for groundfish in the Gulf of Alaska. The aspects of the study which will be most important to the Council must be formulated around the project itself, i.e., timing, location, and intensity of fishing.

STATEMENT OF PURPOSE

The proposed investigation must be designed to measure or assess the impact of a developing domestic groundfish fishery in the Gulf of Alaska on:

- a) non-target species of present domestic commercial importance -- halibut, crab, shrimp.

- b) target species -- flatfish, rockfish, black cod, true cod.

The proposed investigation should also develop secondary fishery information on what to more effectively base management of target species, specifically black cod, true cod and pollock.

STATEMENT OF WORK

- 1) The study should be designed to provide at least 25 percent coverage of U.S. fishing activity in any groundfish trawl fishery developed in the Gulf of Alaska. This compares to approximately 30 percent coverage by NMFS off southeast Alaska and 15 percent coverage off the Aleutian Islands in existing foreign groundfish trawl fisheries.
- 2) The proposed study should be designed to provide accurate catch rate statistics, normally provided in numbers and pounds per species per unit of gear per time.
- 3) The proposed study should provide accurate information on total species composition by sampling from a high percentage of hauls and counting a species composition sample from each catch.

4) The proposed study should provide statistically accurate information in the biological sector through sampling of lengths, weights, otoliths, and scales.

5) The proposed study should utilize gathered information to generally describe the efficiency of the gear, the state of the art, the potential for the fisheries by both area and season.

TIME SCHEDULE

Contract: October 31, 1977 through September 30, 1979

October 10, 1977 Deadline for receiving proposals

October 31, 1977 Contract award

December 1st, 1977 First progress report

The second through the final progress report will be made monthly to the Executive Director as soon as the fishing seasons have been established and are monitored. Final report is due September 30th, 1979.

The first progress report will be to establish the scope and approach of the project describing the anticipated fishing effort, fishing season and fishing locations. Based upon the information received regarding fishing seasons, a monthly reporting system will be established. Each monthly report will include the catch statistics by species, the

effort by boat and gear, the rate by catch per unit time per gear and biological information relating to condition of stocks. The final report due September 30th should include all relevant information regarding the project and should summarize all monthly statements.

LEVEL OF FUNDING

Negotiable: Approximately \$50,000 per/year --one observer.

PROPOSAL SUBMISSION

A narrative proposal indicating approach, manpower, and other resources available and a resume of the principal investigators and a proposed budget is requested to be sent to:

Jim H. Branson, Executive Director
North Pacific Fishery Management Council
P.O. Box 3136-DT
Anchorage, Alaska 99510

and not later than September 15, 1977.



REQUEST FOR PROPOSAL

FOR A STUDY OF THE EASTERN BERING SEA HERRING POPULATIONS

INTRODUCTION

The North Pacific Fishery Management Council is one of eight regional councils developed by the Fishery Conservation and Management Act of 1976 (Public Law 94-265). Under provisions of the F.C.M.A., the Council is responsible for developing fishery management plans that are consistent with a series of national standards and the purposes and policies of the Act. Those national standards most relevant to the proposed study are:

- 1) Conservation and management measures shall prevent overfishing while achieving on a continuing basis the optimum yield from each fishery;
- 2) Conservation and management measures shall be based upon the best scientific information available.
- 3) To the extent practicable the individual stock of fish shall be managed as a unit throughout its range and interrelated stocks of fish shall be managed as a unit or in close coordination.

4) Conservation and management measures shall not discriminate between residents of different States.

5) Conservation and management measures shall where practical, promote efficiency in the utilization of fishery resources except that no measure shall have economic allocation as its sole purpose.

6) Conservation and management measures shall take into account and allow for variations among and contingencies in fisheries, fishery resources, and catches.

7) Conservation and management measures shall where practical, minimize costs and avoid unnecessary duplications.

Under the purposes of the Act the following are those relevant to the proposed study:

1) The purpose of the Act is to take immediate action to conserve and manage the fishery resources found off the coasts of the United States and the anadromous species and the continental shelf fishery resources of the United States.

2) To promote domestic commercial and recreational fishing under sound conservation management principles.

3) To provide for the preparation and implementation in accordance with the national standards of fishery management plans which will achieve and maintain on a continuing basis the optimum yield from each fishery.

4) To encourage the development of fisheries which are currently under-utilized or not utilized by United States fishermen, including bottom fish off the coast of Alaska.

The Preliminary Management Plan for the Bering Sea and the Aleutian Islands' bottomfish and gillnet herring fishery as developed by the Secretary of Commerce regulates the foreign fishing off Alaska, including herring. The plans were developed with the best scientific information available; however very little is known about herring. The Council's Fishery Management Plan must also take into account the best scientific information available and will regulate foreign fishing and also domestic fishing inside the Fishery Conservation and Management Zone off Alaska. Because of

- (1) the expanding domestic commercial fishery for herring in the eastern Bering Sea,
 - (2) the social and biological complexities of this management plan, and
 - (3) a large (20,000 ton) foreign harvest in the central Bering Sea on herring stocks of unknown origin,
- it has become important to seek increased knowledge of the herring stocks such that their management might be more closely scrutinized and therefore allowing for the optimum utilization of the resource to the user groups.

The Councils have been designed to solicit public comment. The public comments received regarding the herring stocks in the eastern Bering Sea indicate that very little is known regarding population dynamics, stock distribution and production of the herring resource.

Of specific interest to the North Pacific Council are the inshore and offshore herring resources. The offshore problems relate to:

- (a) what percentage of foreign trawl-caught herring in the central Bering Sea are of U.S. origin, and
- (b) what is the distribution, abundance and specific origin for the U.S. stocks?

The inshore problems are:

- (a) what effect does highseas fishing mortality have on inshore stocks
- (b) what is the magnitude of the annual inshore spawning population
- (c) what are the 'stock-recruit' relationships, (probably a question which cannot be answered in this series of studies)
- (d) general population dynamics, i.e., size, age, sex composition and comparative relative abundance.

The inshore area is generally defined as the shoreline from Unimak Pass to Port Clarence in Norton Sound.

The study proposed here is to support the North Pacific Council's programs and responsibilities to produce a Management Plan for each fishery in the fishery conservation zone off Alaska. The proposed study is designed to obtain some life history information: the identification, separation and migrational patterns of distinct stocks, the inter-relationships of recruits, spawners, mortality schedules, environmentally regulating factors, population dynamics, and population enumerations.

STATEMENT OF PURPOSE

PHASE I

This proposed study shall focus on two major aspects of herring research:

- (1) the determination of the continent of origin of herring caught in the foreign trawl fishery in the central Bering Sea (hence the mingling stocks in the central Bering Sea), and
- (2) a general description of the population dynamics characteristics necessary to provide reliable year class estimations.

PHASE II

This proposed study, totally separate from Phase I, will focus on the inshore problems of herring management.

The study shall specifically be designed to provide:

- (a) an estimation of the magnitude and specific distribution of the spawning population, a year class estimation and other population characteristics (size age, sex) and
- (b) a program to annually monitor the spawning stocks.

PHASE III

In general terms, and as of now very tentative, Phase III would be designed to provide a specific herring production model and related complete population dynamics information.

This request for proposal is for any combination of the following:

1. Phase I only
2. Phase II only
3. Phases I and II together

The North Pacific Fishery Management Council is currently developing a fishery Management Plan for the Bering Sea and Aleutian Island areas which will include herring in the eastern Bering Sea for the 1978-79 season. This proposed research project is important to the development of the plan as it describes herring management.

TIME SCHEDULE

Contract.: October 31, 1977 through September 30, 1979

| | |
|-------------------------|----------------------------------|
| October 10, 1977..... | Deadline for receiving proposals |
| October 31, 1977..... | Contract award |
| March 1, 1978..... | First progress report |
| July 1, 1978..... | Second progress report |
| September 30, 1978..... | Third progress report |
| January 1, 1979..... | Fourth progress report |
| April 1, 1979..... | Fifth progress report |
| July 1, 1979..... | Sixth progress report |
| September 30, 1979..... | Final report |

The first progress report must include the scope and approach of the research project and will be used by the Council and its Scientific and Statistical Committee and Advisory Panel for review in light of the development of the

Management Plan. The interim reports should be updates as the research progresses, with the final report a complete description of the objectives of the project and all conclusions. It will be used in the future development of the Management Plans.

LEVEL OF FUNDING

Phase I

Negotiable up to approximately \$80,000.

Phase II

Negotiable up to approximately \$150,000.

PROPOSAL SUBMISSION

A narrative proposal indicating approach, manpower and other resources available, a resume of the principal investigators, and a proposed budget are requested sent to:

Jim H. Branson, Executive Director
North Pacific Fishery Management Council
P. O. Box 3136-DT
Anchorage, Alaska 99510

by not later than September 15, 1977.

AUG 8 1977



Agenda Item #3, Aug. 1977
UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Washington, D.C. 20235

F31/MR

To: Distribution*
From: *Robert W. Schoning*
Robert W. Schoning, Director
National Marine Fisheries Service

Subject: Additional Funding to States and Marine Fisheries Commissions

In accordance with my commitment made at the State Fish and Wildlife Directors meeting on May 19, 1977, I have conducted a review of the funding needs of those States which are represented on two Fishery Management Councils.

Based upon the recommendations of the Councils, I have decided to allocate funds up to \$6K to each of the States of Florida, Oregon, Washington, and Alaska in addition to the \$12K they have already received for their liaison expenses for one Council. The monies will cover the additional liaison expenses of these States for the last quarter of FY 1977. Instructions relative to obtaining the additional funding will be forthcoming. I am also prepared, given appropriate justification, to provide in FY 1978 funding up to \$50K to each of the four States in support of their liaison activities with the Councils.

In addition, I have also decided to allocate funds up to \$15K directly to the Marine Fisheries Commissions for meeting their statutory responsibilities to the Councils for the balance of FY 1977. Given appropriate justification, I am prepared to provide up to \$60K to the Commissions for FY 1978. The breakdown for this funding is as follows:

| <u>Commission</u> | <u>Number of Councils on which Represented</u> | <u>Amount</u> | |
|----------------------------------|--|---------------|-------------|
| | | <u>FY77</u> | <u>FY78</u> |
| Atlantic States Marine Fisheries | 3 | \$7.5K | 30K |
| Pacific Marine Fisheries | 2 | \$5K | 20K |
| Gulf States Marine Fisheries | 1 | \$2.5K | 10K |

If you have any comments or concerns relative to these decisions, please let me know.

*Distribution:

- Regional Directors, NMFS
- Chairmen, Regional Fishery Management Councils ✓
- Executive Directors, Regional Fishery Management Councils

Rasmuson

