



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Northwest and Alaska Fisheries Center
2725 Montlake Boulevard East
Seattle, WA 98112

March 9, 1977

Attachment No. 19

To: All Members of the Scientific and Statistical Committee,
North Pacific Fishery Management Council

From: Dayton L. Alverson, Center Director, F11

Subject: Meeting - March 21-22, 1977

I am recommending that the Scientific and Statistical Committee of the North Pacific Fishery Management Council meet on March 21-22, 1977.

You are probably aware that the Council will also be meeting on these dates and we will have to gauge our schedule to ensure a proper report to the Council itself. I think we can accomplish this inasmuch as our overall agenda should not take a great deal of time.

Steve Pennoyer^{er} and I both have some materials concerned with goals and objectives for management plans, although for my part this will be in abbreviated and outline form.

If you have not seen a letter to the Chairman concerning Mr. Skud, he has felt it necessary to resign as an active member of the Committee, and some consideration should be given to the nomination of a new member. We will meet at 10:00 a.m. on the 21st in the Council office.

Enclosure
- Agenda

cc: Elmer Rasmuson, Chairman
Jim Branson, Exec. Director

*Branson
Hutton
Fisher
Jolley*



AGENDA

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL
SCIENTIFIC AND STATISTICAL COMMITTEE MEETING

- I. Review of management plan outline
- II. Review of definitions
- III. Status of work commitments
 - a. Socio-economic data for management plans
 - b. Special reports
 - c. Goals and objectives for management plans
- IV. Scheduling of management plan development
- V. Mr. Skud's status and consideration of a new member
- VI. Other
 - a. Support for coded wire tagging studies
 - b. Contract funding and management plan costs



**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration**

NATIONAL MARINE FISHERIES SERVICE

Northwest and Alaska Fisheries Center
2725 Montlake Boulevard East
Seattle, Washington 98112

March 29, 1977

Mr. Jim H. Branson
Executive Director
North Pacific Fishery Management Council
P.O. Box 1668
Juneau, Alaska 99802

Dear Jim:

Please find enclosed a report of the meeting of the Scientific and Statistical Committee of the North Pacific Fishery Management Council. In my view, the Committee took all necessary actions related to this particular document. There is, of course, the need for follow-up on your part in terms of officially notifying the individuals selected for the high-seas management plan and for placing on the agenda items dealing with:

1. Renegotiation of INPFC (Fredin and Pennoyer)
2. Future biomass trends in Tanner crab populations of the Bering Sea (Alverson)

Finally, I would urge you to pursue as expeditiously as possible the securing of funds that relate to the coded wire tag studies. I have heard via the grapevine that Washington will soon turn loose the funds necessary for Council activities.

On my part, I will remind members of the SSC that they should review the report prepared by our working group concerned with procedures and socio-economic data needs for determining optimum yield in fishery management and to send their remarks directly to Miles, Rogers, and Collingsworth. I shall also, by copy of this letter, encourage the working group to proceed with their development of the detailed report which would assist management teams in preparing their documents, particularly as related to OY and environmental impact statements.

My own schedule dictates that I be in Rome during the latter part of April, but I find that I can reach Anchorage on the

APR 5 1977



Environmental Health Center
1500 West 4th Street
Seattle, Washington 98119

March 10, 1987

Dr. Jim H. [unclear]
Executive Director
North Seattle Health Management Council
P.O. Box 1488
Seattle, WA 98119

Dear Jim:

I have just received a report of the activities of the Health Management Council of the North Seattle Health Management Council. In my view, the Committee has done a very good job in its work. There is, of course, the need for follow-up on your part in terms of officially notifying the individuals selected for the high-level management plan and for placing on the agenda items relating to:

1. Recommendation of NPHC (Health Management Council)
2. Future plans to be taken in future and evaluations of the existing one (Allyson)

Finally, I would like to suggest an organization as possible. The organizing of such that relate to the work which you are doing. I have heard via the environmental committee will soon turn focus the health committee for Council activities.

In the past, I will remind members of the staff that should review the report prepared by the committee and should give their own input and advice on the report. I will also advise the staff that they should send their reports to the Health Management Council. I will also advise the staff that they should send their reports to the Health Management Council. I will also advise the staff that they should send their reports to the Health Management Council.

I am sure you will find this information useful and will find it interesting. I am sure you will find it interesting.

Very truly,
[Signature]

afternoon of the 27th. If we decide to call an official SSC meeting, I will ask Mr. Pennoyer to initiate it, and hopefully I will be available for the second day of action.

Sincerely,



Dayton L. Alverson
Chairman, SSC

Enclosure

P.S. The March 22, 1977, report should be given documentation number NPFC/SSC/AP 5

cc w/enclosure:

Mr. Elmer Rasmuson
Members, SSC

alteration of the ... I will be available for the second day of action.

Enclosure

Wayne J. Alvarado
Chairman, SSC

Enclosure

... the form ... and should be given documentation
number 150/27/...

Enclosure:

Dr. Richard ...
Members, SSC

UNIVERSITY OF ALASKA

MEMORANDUM

TO: LEE ALVERSON, Chairman
Scientific and Statistical Committee
North Pacific Fisheries Management Council

FROM: FRANKLIN L. ORTH, Economist
University of Alaska

DATE: March 7, 1977

SUBJECT: Economic Studies of Tanner Crab

A meeting of fisheries economists was held in Juneau on March 4 to discuss economic research which the group considers to be pertinent to the North Pacific Fisheries Management Council's deliberations with respect to total harvest and allocations of Tanner crab resources in the Eastern Bering Sea. The following economists participated in this meeting:

Eric Anderson, N.W.F.C.
Don Collinsworth, A.D.F. & G.
Abby Gorham, University of Alaska
Howard Ness, N.M.F.S., Juneau
Frank Orth, University of Alaska
Lewis Queirolo, Alaska Limited Entry Commission
George Rogers, University of Alaska

It was the consensus of the group that the immediate objective of the economic research is to assist the Council in determining, on an interim basis, the "optimum yields", "domestic allowable harvest" and "foreign allowable catch" for the draft management plan. It was also agreed that, given the time constraint and existing commitments of those in attendance, a group effort would be required in order to provide meaningful input to the Scientific and Statistical Committee by mid-May. The subject areas agreed upon and the tentative assignment of responsibilities to work on them are shown in Attachment 1. A more comprehensive longer-range study was believed to also be desirable. Attachment 2 is the draft proposal (revised in accordance with the recommendations of the group) for the longer-range study which will be submitted for the endorsement of the Scientific and Statistical Committee. If endorsement is forthcoming a request for funding will be made to the National Sea Grant Program.

Two additional meetings of the fisheries-economists group are planned before submission of the results of the short-range study. It was tentatively agreed that these be held in mid-April and during the second week of May, in Juneau.


Don Collinsworth related to the group your offer to provide \$10,000 for expenses incurred by the study team and to lend the

Lee Alverson
March 7, 1977
Page 2

assistance of Richard Marasco (upon arrival) and Eric Anderson. The group gratefully accepted the offer although questions were raised about the mechanics of gaining access to the funds and the administrative control over their use. Eric Anderson was requested to explore these questions with you further. Attachment 3 is a suggested budget for these funds.

I would like to emphasize that it was the sense of the group that the unfunded efforts of the participating persons and their respective agencies must be subsidiary to their existing responsibilities. Secondly, because results must be provided within a relatively short period of time, the scope and depth of the work will not be satisfactory. The effort should result in a report which 1) summarizes already-documented information and additional information gathered by the study team (as outlined in Attachment 1); 2) assesses the significance of the information in terms of issues under the Council's consideration, and 3) provides an assessment of further research needs.

A copy of this memorandum and the proposal for the longer-range study (Attachment 2) is being sent to the other members of the Scientific and Statistical Committee for their review. It is my hope that the Committee will endorse the proposal, or suggest revisions, at the March meeting.


Franklin L. Orth

FLO/nh

Attachments

cc: Steven Pennoyer
Eric Anderson
Don Collinsworth
Abby Gorham
Howard Ness
Donald H. Rosenberg
Lewis Queirolo
George Rogers
Donald Bevan
Jim Branson
Robert Loeffel
Edward Miles
Carl Rosier
Bernard Skud
Charles Woelke

Short-Term Economic Study of Tanner Crab Harvesting, Processing and Marketing

<u>Subject Areas</u>		<u>Objectives</u>	<u>Person</u>	<u>Responsibility</u> <u>Agency</u>
I. Consumption Patterns and Trends a. Amounts b. Prices c. Geographic markets d. Product forms e. Elasticities	Ia-e.	Assemble available information Update information as time and information allow Summarize and evaluate information	Eric Anderson	N.W.F.C.
II. Harvesting Capacity a. Physical capacity by harvest area b. Effective economic capacity	IIa.	Assemble available information into harvesting-capacity estimates	Abby Gorham	U. of A.
	IIb.	Seek evaluation by Shellfish Study Groups	Lewis Queirolo	A.C.F.E.C.
	IIb.	Vessel cost and earnings profile Seek evaluation by Shellfish Study Groups	Eric Anderson Lewis Queirolo	N.W.F.C. A.C.F.E.C.
	IIa-b.	Summarize and evaluate information		
III. Processing Capacity-Capacity Utilization a. by product form b. by geographic location of plants	IIIa-b.	Assemble available information Conduct capacity survey Summarize and evaluate information	Frank Orth Abby Gorham Jim Richardson Don Collinworth	U. of A. U. of A. U. of A. A.D.F. & G.
IV. Potential New Market Development a. U.S. market potential b. Foreign market potential	IVa.	Review recent new market development experiences	Howard Ness	N.M.F.S.
	IVb.	Contact knowledgeable members of industry	Howard Ness	N.M.F.S.
	IVa-b.	Summarize and evaluate information	Howard Ness	N.M.F.S.
V. Institutional Factors — a. Primary processing requirements b. Negotiated exvessel prices c. Market concentration and channels d. Foreign investment	Va-d.	Assemble available information Summarize and evaluate information	Frank Orth Abby Gorham	U. of A. U. of A.
VI. Integration of Subject Areas	VI.	Summarize and evaluate all information Write report for Scientific and Statistical Committee.	Frank Orth and Abby Gorham will coordinate efforts of all participants	U. of A.

ATTACHMENT 2

Program: RENEWABLE MARINE RESOURCES
Project: R/14-02

Title: Market Demand and Market Channels for
Tanner Crab. Proposed as a Supplement
to Market Structure of Alaska Seafood
Processing Industries (Project R/14-01)

Principal Investigator: F. L. Orth
Unit: School of Management

Funding Information
Present level: SG: \$0 Proposed level: SG: \$
UA: \$0 UA: \$
Date Initiated: 1 June 77 Est. Comp. Date: 31 Oct. 78

BACKGROUND AND NEED

A three-year study, funded by Alaska Sea Grant (See Appendix A) of the market structure and performance of Alaska's seafood processing industries with emphasis on those industries processing crab and shrimp products, began in November, 1976. Another study, designed to develop an economic profile of the harvesting sector of Alaska's shellfisheries, has recently been initiated by the Alaska Commercial Fisheries Entry Commission and is being funded by National Marine Fisheries Service. The purpose of these studies is to investigate, interpret, and document the basic structural and technological characteristics of the harvesting and processing sectors of Alaska's primary shellfisheries for use by state and federal resource-management agencies and industry participants.

Early on in the deliberations of the North Pacific Fisheries Management Council and its Scientific and Statistical Committee, an additional research need has been identified as requiring immediate attention. A study of demand, and projected growth of demand for tanner crab, disaggregated by principal market area, and a description of existing marketing channels, are needed for evaluating the market impacts of increasing utilization and/or changing allocation of the tanner crab resource. While large increases in utilization may be biologically feasible, the Council wishes to insure that the economic consequences of expanded use are favorable.

In order to provide a timely response to the Council's needs, an increase in the scope and funding level of the seafood processing market structure study is being proposed. Extending the existing research project is desirable because: 1) there is a significant degree of subject-matter complementarity between market structure research and demand analysis and 2) the demand analysis needs to be supplemented by a base-line description of marketing channels

and the latter is already incorporated in the existing project. The marketing channels research needs to be elevated in priority and accelerated within the existing project in response to the immediate needs of the Council.

OBJECTIVES

To provide information which will assist the North Pacific Fisheries Management Council in making informed judgments on the allocations of tanner crab resources. The specific objectives of the proposed research are:

1. Conduct a search for existing secondary data at the three basic levels of demand, exvessel, wholesale and retail.
2. To develop to the extent of data availability estimates of demand at alternative price levels in principal market areas.
3. To develop descriptive, base-line information on marketing channels for use in evaluating the distributional impacts of the Council's decisions. This line of research would include an analysis of Japanese market structure and marketing channels in the tanner crab industry.
4. To integrate the above research objectives, to the degree practicable, with related research efforts in the existing seafood processing market structure project and other ongoing research.

APPROACH

Analysis of the demand for tanner crab will require time-series data on:

1. the price and quantity of tanner crab in each year
2. the price and quantity of king crab in each year
3. the price of other substitute products
4. consumer income, and
5. population

It would be desirable, although it will not be known until the data search is complete whether it will be feasible, to obtain the above data by market area, domestic and foreign.

The above information will provide the basis for constructing a statistical demand model which will be used for projecting alternative demand levels in future years under certain assumed market expansion conditions and changes in supply. It is hoped this predictive aspect of the study will assist the Council in its future management decisions.

To supplement the quantitative demand analysis proposed above, is the proposed effort to quantitatively describe marketing channels for tanner and king crab products for 1976 and 1977. This information would greatly assist the Council in evaluating the locational impacts of its allocation decisions. The marketing channels research will require the collection of primary data from the processing industry. It appears that there will be good cooperation from domestic processing firms operating in domestic, or domestic and foreign, market channels. The cooperation of purely foreign firms, while necessary, cannot be assessed at this time. It is intended that someone familiar with Japanese industrial ownership patterns as well as the Japanese language undertake the foreign aspects of the industry structure and marketing channels research. A marketing channels description would provide information like that provided by the Florida Sea Grant shrimp processing study (see attached figure). Ideally a description of marketing channels would allow one to trace the entire domestic and foreign tanner crab harvest (by specie) from area of harvest to processing location (Alaska, Seattle, at sea, Japan, etc.) to final market, by product form (canned, frozen or fresh), by region (Pacific Coast, Rocky Mountain states, etc.), and by type of buyer (institution, wholesale, retail). The extent of the coverage actually achieved will be dependent upon industry cooperation, the degree of detail in which information is generally recorded, and the cost associated with extracting same.

It is intended that a preliminary report to the Council be provided by October 1, 1977, and that periodic updating be provided until study completion and issuance of a final report by October 31, 1978.

INTERACTION

The principal investigator is a member of an advisory panel of economists to the Scientific and Statistical Committee of the North Pacific Council. Interaction with all other relevant research has been established for the existing seafood processing market structure study and will be continued through the interactions surrounding the Council's activities. It is intended that National Marine Fisheries Service on the West Coast be brought into as close an association with this research as possible and that National Marine Fisheries Service assistance will be coordinated through the Alaska Regional Office.

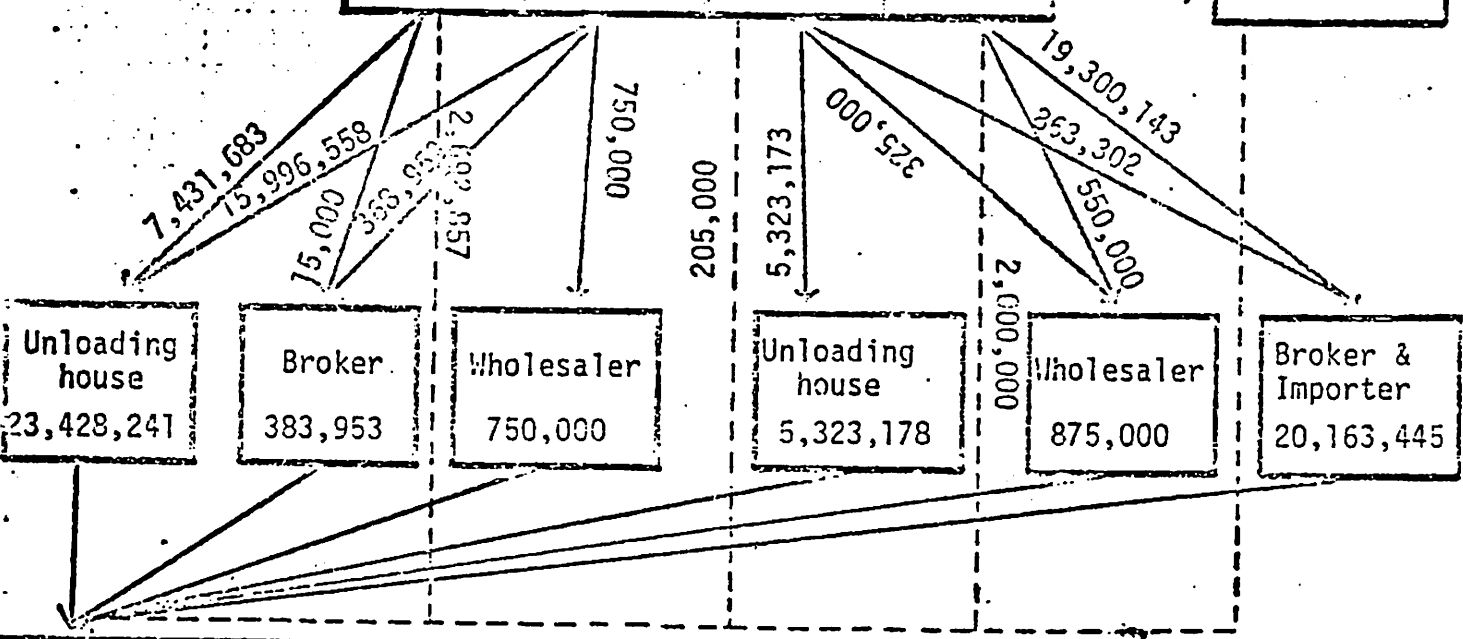
REFERENCES

Alaska Sea Grant Program 1976-1977 Proposal. Renewable Marine Resources, R/14-Y. Market Structure of Alaska Seafood Processing Industries

National Marine Fisheries Service, Economic and Marketing Research Division, Washington, D.C. Aspects of the Structure and Market Behavior of the Tanner Crab Industries of the United States and Japan. September, 1976.

SOURCES OF SUPPLY			
FRESH		FROZEN	
FLORIDA	OTHER U.S.	U.S.	FOREIGN
10,139,540	17,115,511	6,716,480	22,750,143
300,000			

PROCESSOR
900,000



POUNDS BOUGHT: 56,21,674	PROCESSING PLANTS	POUNDS SOLD: 72,767,205
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MARKET OUTLETS		
WEST ^b	NORTHEAST	SOUTHEAST
21,986,445	26,815,988	23,964,773

INSTITUT.	RETAIL	INSTITUT.	RETAIL	INSTITUT.	RETAIL
14,018,755	7,967,690	14,662,930	12,153,058	16,480,760	7,484,013

1.--Marketing channels for the Florida shrimp processing industry, 1972

Note that total pounds purchased do not equal total pounds sold because products lose or gain weight in the production process.

See the map in the Appendix.

UNIVERSITY OF ALASKA

SEA GRANT BUDGET

PROJECT TITLE	GRANT/PROJECT NUMBER
MARKET DEMAND AND MARKET CHANNELS FOR TANNER CRAB	76-77 R/14-02
PRINCIPAL INVESTIGATORS	DURATION (months)
F. L. Orth, School of Management	5 months

A. SALARIES AND WAGES			
1. SENIOR PERSONNEL	MAN-MONTHS	SEA GRANT FUNDS	GRANTEE SHARE
a. (Co) Principal Investigator	2		6,150
b. Associates (Faculty or staff)	4	6,475	3,189
Sub Total		6,475	9,339
2. OTHER PERSONNEL			
a. Professionals			
b. Research associates	12	26,000	
c. Research asst. grad. students			
d. Prof. school students			
e. Pre-Bac. students			
f. Secretarial-clerical			
g. Technical-shop			
h.			
Total Salaries and Wages		32,475	9,339
B. FRINGE BENEFITS (When charged as direct cost)			
	17.9	5,813	1,672
Total Salaries, Wages, and Fringe Benefits (A and B)		38,288	11,011
C. PERMANENT EQUIPMENT			
D. EXPENDABLE SUPPLIES AND EQUIPMENT			
		500	
E. TRAVEL			
1. Domestic - U. S. and its Possessions (Inc. Puerto Rico)	1.	11,000	
2. International	2.	6,000	
Total Travel		17,000	
F. PUBLICATION AND DOCUMENTATION COSTS			
G. OTHER COSTS			
1. Computer Costs		1,500	
2. Communications		750	
3. Consulting Services (foreign data collection)		12,000	
4.			
5.			
6.			
7.			
8.			
9.			
10.			
Total Other Costs		14,250	
TOTAL DIRECT COSTS (A through G)		70,038	11,011
INDIRECT COSTS	(On Campus 56.54 % of S & W)	18,361	5,280
	(Off Campus % of)		
Total Indirect Costs		18,361	5,280
TOTAL COSTS		88,399	16,291
ROUNDED TO		88,400	16,300

ATTACHMENT 3

Budget for Short-Term Tanner Crab Study

March 1 - May 31

	<u>Man Months</u>	<u>Total Cost</u>	<u>Projected U. of A. Sea Grant Support</u>	<u>Unfunded*</u>
Frank Orth	1.0	3,075	1,537	1,537
Abby Gorham	2.0	4,832	2,416	2,416
Jim Richardson	2.0	<u>3,660</u>	<u>1,830</u>	<u>1,830</u>
Total Salaries		11,567	5,784	5,783
Staff Benefits @ 17.9% of Salaries		2,070	1,035	1,035
Travel for all Participants		_____	_____	<u>3,000</u>
Total		<u>13,637</u>	<u>6,819</u>	<u>9,818</u>

*Recommended use of \$10,000 N.M.F.S. support.

REPORT OF MEETING OF SCIENTIFIC AND STATISTICAL COMMITTEE
OF THE NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

March 22, 1977

The Scientific and Statistical Committee of the North Pacific Fishery Management Council convened its meeting at 11:00 AM to consider and discuss agenda items. All members of the SSC were present, with the exception of Mr. Bernard Skud. It should be noted, however, that Mr. Jack Robinson represented the Oregon Department of Fish and Wildlife as a replacement for Mr. Robert Loeffel.

Five major topics were discussed during the morning and afternoon sessions including:

1. The status of reports regarding socio-economic data needs for management plans
2. The development of a high-seas management plan
3. Scheduling of management plans under development
4. Support for coded wire tagging studies
5. Contract funding and management plan costs

Status of Reports Concerning Socio-Economic Data Needs

The Committee working group assigned to develop a report on "Procedures and Socio-Economic Data Needs for Determination of Optimum Yield in Fishery Management" has completed its work and submitted a first draft of its report to the full SSC for consideration. The report deals with three major subjects concerned with:

1. A description of methodological requirements for determining OY's;
2. An outline of research strategies considered most effective with a justification for them; and
3. An identification of relevant data available, gaps in data, and estimates of cost of acquiring necessary data.

Mr. Chairman, it is the intent of the full Committee to carefully review the report and, if it is found satisfactory, to request that the working party provide an additional report dealing with specific data requirements, procedures, and methodology needed for the evolution of management plans.

Hopefully, the work would be concluded in time for presentation at the next meeting of the SSC.

In response to the Council's request to develop specific data related to the harvesting capacity of the U.S. Tanner crab fleet, taking into consideration harvesting, processing, and marketing, a meeting was held in Juneau on March 7, 1977, to consider means of meeting the Council's objectives. As a result of the meeting, a series of short-term studies on Tanner crab harvesting, processing, and marketing have been initiated. The studies will include an evaluation of (1) consumption patterns and trends, (2) harvesting capacity, (3) processing capacity, (4) potential new markets, and (5) institutional factors.

Mr. Chairman, these studies will represent the joint efforts of the Alaska Department of Fish and Game, the University of Alaska, the Alaska Limited Entry Commission, and the National Marine Fisheries Service. Most of the human resources involved will be volunteered by the named agencies or institutions. Some funds, however, will be made available by the Northwest and Alaska Fisheries Center for travel costs and special studies by the University of Alaska.

The work is expected to be completed by mid-May and made available to the Tanner crab management plan development team. The report will (1) summarize already-documented information and additional information gathered by the study team, (2) assess the significance of the information relevant to Council consideration, and (3) provide for assessment of future research needs.

In addition to these studies, Mr. Chairman, the University of Alaska will be submitting a Sea Grant proposal for a longer-term study entitled "Market Dimensions and Market Channels for Tanner Crab." The Committee has reviewed this proposal and encourages the Council to give it its general support.

The Council should also be apprised of the fact that a number of other contracts have been let or are being considered that relate to socio-economic data needs. They include

- (1) consideration of data requirements for shellfish plans,
- (2) consideration of data requirements for groundfish plans,
- (3) a review of limited entry in Alaskan and Canadian fisheries,

and (4) development of fisheries management systems.

Development of High-Seas Salmon Plan

In responding to the Council's request to consider development of a high-seas salmon plan, the Committee recommends:

1. The Council prepare and proceed with preparations of such a plan, but develop it separately from the ocean salmon plan which deals with the troll salmon issue.
2. The members of such a committee should include Dr. Burgner, University of Washington; Mr. Pennoyer, Alaska Department of Fish and Game; Mr. Fredin, National Marine Fisheries Service; Mr. Regnart, Alaska Department of Fish and Game; and Mr. Parker, Alaska Department of Fish and Game. You will note that we have requested Mr. Pennoyer, a member of the Committee, to participate on a management plan development team. As a normal procedure, we are opposed to having members of the Committee serve on management teams; however, in this case we feel it essential.
3. The NMFS take the lead agency role for plan development.

You will note, Mr. Chairman, that this plan will have some rather unique qualities in that it deals with a fishery for which there is no total allowable level of foreign fishing (TALFF) and for which there will be no management plan for the domestic fishery. In essence, it will deal with the peculiar

problem of evaluating the interception of American salmon by Japanese high-seas fisheries during the execution of its gillnet fisheries for salmon of Asian origin both within and seaward of the U.S. 200-mile economic zone. In this sense, the plan will be closely related to the renegotiation of the International North Pacific Fisheries Commission (INPFC). We presume the plan is required on the assumption that the INPFC renegotiations will not totally eliminate high seas interception of North American salmon or that the renegotiation of INPFC will result in an organizational entity which is largely stripped of management responsibility. Inasmuch as the plan will be closely related to the Council's view concerning what should be incorporated into a renegotiated treaty, it is important that the Council evaluate its goals and objectives regarding the high seas interception of North American salmon and provide specific guidelines to the management team. We feel it desirable to have a presentation on mechanisms for resolving interceptions of U.S. salmon at the next meeting of the Council.

Scheduling of Management Plans

Mr. Chairman, there was considerable debate over the scheduling of management plans by the Council, and the Committee could not reach a general consensus. Two points of view were expressed.

A minority of the SSC felt that scheduling of management plans should be set back until October or November as originally recommended by the Council. Their feelings were based on the

facts that (1) there was inadequate time to prepare appropriate analyses and documentation of socio-economic inputs required for the plans and environmental impact statements; (2) failure to properly document such plans and EIS's could jeopardize their acceptance; (3) schedules currently imposed reflect crash plan development which will detract from the quality and increase the chance of errors in the plans; (4) some of the management plan teams did not wish to feel responsible for the quality of documents prepared under the present time constraints; and (5) the procedure of continuing to rush through plans would establish a precedent from which the Council could not break free.

The majority of the SSC, however, felt that the Council should proceed with the development of plans in accordance with the present June deadline. Their views were based on the facts that (1) socio-economic data available by October would not be much better than presently available; (2) much of the socio-economic data that might ultimately be developed by October could be evolved during the hearing process and be available for incorporation into the final plans prior to being dispatched to Washington; (3) the hearing process itself would provide a mechanism to perceive and consider socio-economic consequences of the proposed management system.

Support for Coded Wire Tagging Studies

Mr. Chairman, the Committee reiterates its plea for Council support to continue the coded wire tagging studies off southeast Alaska. Funding for this project will terminate and not be available for this fiscal year unless specific sources are identified in the very near future. A sum of \$58,000 is required for ADF&G to continue this project, and the funds must be identified within the next several weeks in order that the project can be initiated on time. Mr. Chairman, the Council may wish to utilize its own funds to support this project if other sources cannot be identified.

Contract Funding and Management Plan Costs

Mr. Chairman, concerning this topic, the Committee noted that the Council has already identified \$100,000 to be allocated for special studies concerning forecasting of Bristol Bay salmon runs. In addition, we also noted, Mr. Chairman, that the sum of \$10,000 has been identified for development of a high-seas salmon plan. We are of the opinion that the funding for the latter is inadequate and the budget for this item should be increased to approximately \$15,000-\$20,000.

Other Items

Mr. Chairman, that concludes discussion of the major topics considered by the Committee, although there are several administrative details and other actions that should be brought to your attention.

First, we have evaluated Mr. Skud's continued participation with the NPFC/SSC. After this item was brought up by the Committee, I was able to discuss this issue directly with Mr. Skud; and it is our understanding that he does not think he can continue as a member of the Committee, nor does he feel that a member of his staff could substitute in his absence as a permanent member of the Committee. Mr. Skud has, however, volunteered that he would be able to meet with the Committee and provide guidance at such time as the issues were pertinent to management of Pacific halibut. We feel, Mr. Chairman, this is the best course to be followed and hence would recommend to the Council that Mr. Skud be utilized as a consultant to the SSC and that his membership be filled by the nomination of a new member. At its next session, the Committee will, Mr. Chairman, recommend to the Council individuals who we feel are qualified to participate with the SSC.

As regards membership, I had noted earlier that Mr. Robinson of the Oregon Department of Fish and Wildlife represented Mr. Bob Loeffel during this session. It would be desirable that the Council confirm Mr. Robinson as a member of the Committee.

The SSC was asked to review the status of research on the effects of organic fish waste on the effluent of seafood processing plants. The Committee is familiar with several studies in this regard, and we can request that a report be pulled together and ultimately provided to the Council. We would like, however, to point out to the Council that the Federal

Water Pollution Control Act deals with effluent standards and is not concerned directly with the quality of the receiving water. The Act requires the use of more modern techniques to reduce the level of discharge to the lowest practical level. In addition, the Act requires the standards be applied to the effluent even though it can be proven that the discharge creates no harmful effects at levels to which it is diluted in the receiving waters. If the Council wishes to resolve the issue, it will require a change in the law. We can, however, proceed as the Council has suggested in preparing the materials concerning the impact of disposal of organic fish waste into sea water.

Finally, Mr. Chairman, we should like to bring to your attention that the NMFS would like to make a special presentation at the next session of the Council concerned with abundance trends in Tanner crab for the Bering Sea.

Mr. Chairman, that ends the report of activities of the SSC. In order to provide a guideline for Council action, the following items require your attention:

1. Affirmation of support for the University of Alaska Sea Grant proposal for Tanner crab.
2. Confirm high-seas salmon plan development team and lead role.
3. Consider scheduling for management plans.

4. Resolve funding for coded wire tagging studies.
5. Act on proposal for new membership and maintenance of Mr. Skud as consultant on matters related to management of halibut resources.
6. Consider presentation on INPFC renegotiation at next session.