

M E M O R A N D U M

TO: Council, SSC, and ~~AP~~ Members
FROM: Jim H. Branson
Executive Director
DATE: November 26, 1984
SUBJECT: Status of Contracts and Proposed Projects

ACTION REQUIRED

- (a) Contract 84-2: Chinook Troll Data Analysis: final approval.
- (b) FY/85 Programmatic requests: approve projects for submission for funding.

BACKGROUND

Current Council contracts are listed below with information on the contractor, funding amount, percent expended to date, duration, objective, and status.

Current Council Contracts

83-2: ADF&G Plan Maintenance
(ADF&G, \$60,000, 58%, July 1, 1983 to June 30, 1985)

Objective: To support liaison between ADF&G and the Council by funding personnel travel to Council activities and providing support for such other activities as computer compilation and data analysis, etc.

Status: Work is proceeding satisfactorily; no progress reports are required.

83-4: Joint Venture Trawl Logbook Program
(ADF&G, \$33,400, 0%, September 1, 1983 to June 30, 1985)

Objective: To provide interview coverages at three major ports (Kodiak, Akutan, and Unalaska/Dutch Harbor) to support the joint venture logbook program.

Status: This contract was recently extended to June 30, 1985. Logbooks are being distributed to the fleet and retrieved as the opportunity arises.

84-1: Sea Lion Pup Census Adjacent to Shelikof Strait
(ADF&G, \$16,548, 0%, October 1, 1983 to February 28, 1985)

Objective: To provide an estimate of the total number of sea lion pups produced at the major sea lion rookeries in and adjacent to Shelikof Strait for comparison with similar counts made in 1978 and 1979.

Status: The pup census was conducted in June. The contract was extended to December 31, 1984 and has been extended once again to allow more time to draft the final report. The report has been promised for January 15.

*84-2: Chinook Troll Data Analysis
(ADF&G, \$22,600, 90%, January 1 to September 30, 1984)

Objective: To provide a comprehensive analysis and evaluation of the potential consequences of ADF&G changing the chinook accounting period.

Status: The draft final report has been distributed to the SSC for review. Given their approval, the Council may give final approval at this meeting.

84-3: Origin of Chinook Salmon Incidentally Caught in Foreign Trawls - Part II
(FRI/UW, \$40,000, 16%, July 1, 1984 to June 30, 1985)

Objective: To provide additional information on stock separation of chinooks caught incidentally to the foreign trawl fisheries.

Status: The first progress report, due on September 30, 1984, was sent to the SSC for review on October 30.

84-4: Domestic Groundfish Data Monitoring
(ADF&G, \$145,000, 0%, contract period unspecified)

Objective: To provide first year funding for a State of Alaska monitoring system including dock sampling and observers to collect catch and effort information on the domestic groundfish fishery.

Status: Exact work specifications are now being drawn up and will be reviewed by the SSC at this meeting.

84-6: Bering Sea Herring Scale - Part II
(FRI/UW, \$62,465, 16%, April 1, 1984 to March 31, 1985)

Objective: To provide additional information on stock composition of herring stocks in the Eastern Bering Sea, North Alaska Peninsula and Aleutians using scale pattern characters.

Status: A contract has been signed and a draft final report is due on March 10, 1985.

*Requires Council action at this meeting.

*Update on Programmatic Funds for FY/85

The following projects are still being considered for programmatic funding for FY/85:

Domestic Groundfish Monitoring (to support logbooks, port sampling, and processing, analysis and reporting of fish ticket data)	\$150,000
Domestic Observer Program (To support at-sea observers to collect data on discards, incidental catch, gear units, biological samples, and to verify fishery-generated data)	150,000
ADF&G FMP Support (To support ADF&G travel to plan team and Council meetings)	30,000
	<hr/>
TOTAL	\$330,000

The SSC will review the specific needs for groundfish data funding and, with Council approval, the proposed projects will be forwarded to NMFS immediately after the Council meeting. NMFS has informed us that only \$400,000 is available and that they plan to award \$300,000-\$350,000 immediately and leave a small reserve for other urgent needs that develop in the latter part of this fiscal year.

Status of Other Projects

Lowell Wakefield Fisheries Symposium on Non-fishing and Fishing Induced Changes in King Crab Populations

The Council last September approved contributing \$4,000 from administrative funds to co-sponsor the Lowell Wakefield Symposium which is tentatively scheduled for January 1985 in Anchorage.

*Requires Council action at this meeting.

North Pacific Fishery Management Council

James O. Campbell, Chairman
 Jim H. Branson, Executive Director

411 West 4th Avenue
 Anchorage, Alaska 99510



Mailing Address: P.O. Box 103136
 Anchorage, Alaska 99510

Telephone: (907) 274-4563
 FTS 271-4064

FINANCIAL STATUS REPORT

October 1984

<u>DESCRIPTION</u>	<u>83-ABH-00027</u>	<u>84-ABH-00007</u>	<u>84-ABH-00025</u>	<u>84-ABH-00035</u>	<u>85-ABH-00003</u>	<u>TOTAL</u>
Grants Rec. as of 10/31/84:	\$ 71,548.00	\$ 25,700.00	\$179,500.00	\$53,465.00	\$937,200.00	\$1,267,413.00
Cash in Bank as of 10/31/84:	779.83	450.60	(1,209.07)	(1,000.00)	(3,615.00)	(4,593.60)

Total Grants Budgeted:	127,548.00	982,200.00	185,000.00	62,465.00	982,200.00	2,339,413.00
Amount Expended to Date:	(55,220.17)	(955,816.69)	(6,709.07)	(10,000.00)	(48,515.00)	(1,076,260.93)
Total Funds available as of 10/31/84:	<u>\$ 72,327.83</u>	<u>\$ 26,383.31</u>	<u>\$178,290.93</u>	<u>\$52,465.00</u>	<u>\$933,685.00</u>	<u>\$1,263,152.00</u>

Note: Check from Marine Mammal Commission for Marine Debris Study received.
 Expense account closed.

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Cooperative Agreement #83-ABH-00027
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Percent Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditures</u>
83-2 Management Plan Writing & Development	\$ 60,000.00	\$ 34,880.17	58%	\$ 25,119.83	-0-
83-4 Joint Venture Trawl Logbook Program	33,400.00	-0-	0%	33,400.00	-0-
84-1 Stellar Sea Lion Pup Count in Shelikof Straits	11,548.00	-0-	0%	11,548.00	-0-
84-2 Salmon Troll Data, High Seas FMP	<u>22,600.00</u>	<u>20,340.00</u>	<u>90%</u>	<u>2,260.00</u>	<u>-0-</u>
	<u>\$127,548.00</u>	<u>\$ 55,220.17</u>	<u>43%</u>	<u>\$ 72,327.83</u>	<u>-0-</u>

GRANTS RECEIVABLE

Balance as of October 1, 1984	\$ 82,548.00
Drawdown for October	11,000.00
Increases for October	-0-
Balance as of October 31, 1984	<u>\$ 71,548.00</u>

CASH IN BANK

Balance as of October 1, 1984	\$(10,220.17)
Receipts for October	11,000.00
Disbursements for October	-0-
Balance as of October 31, 1984	<u>\$ 779.83</u>

This grant will close June 30, 1985.

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Cooperative Agreement 84-ABH-00007
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Amount Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditures</u>
Personnel	\$578,583.00	\$559,119.69	96%	\$ 19,463.31	\$2,997.23
Special Consultants	8,000.00	20,947.45	261%	(12,947.45)	-0-
Fringe Benefits	106,780.00	104,477.59	97%	2,302.41	436.45
Travel	201,100.00	174,417.77	86%	26,682.23	16,288.76
Equipment	1,000.00	5,280.92	528%	(4,280.92)	3,526.56
Supplies	10,000.00	9,096.70	90%	903.30	2,599.17
Contractual	9,000.00	6,626.84	73%	2,373.16	1,342.50
Other	<u>67,737.00</u>	<u>75,849.73</u>	<u>111%</u>	<u>(8,112.73)</u>	<u>2,948.79</u>
TOTALS	<u>\$982,200.00</u>	<u>\$955,816.69</u>	<u>97%</u>	<u>\$ 26,383.31</u>	<u>\$30,139.46</u>

GRANTS RECEIVABLE

Balance as of October 1, 1984	\$95,700.00
Drawdown for October	(70,000.00)
Decrease for October	-0-
Balance as of October 31, 1984	<u>\$25,700.00</u>

CASH IN BANK

Balance as of October 1, 1984	\$(39,409.94)
Receipts for October	71,339.22
Disbursements for October	(31,478.68)
Balance as of October 31, 1984	<u>\$ 450.60</u>

This grant will close September 30, 1984.

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Cooperative Agreement #84-ABH-00025
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Percent Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditures</u>
84-3 Salmon Incidental Catch Study P-II	\$ 40,000.00	\$ 6,709.07	16%	\$ 40,000.00	\$ 6,709.07
84-4 Domestic Groundfish Monitoring	<u>145,000.00</u>	<u>-0-</u>	<u>0%</u>	<u>145,000.00</u>	<u>-0-</u>
	<u>\$185,000.00</u>	<u>\$ 6,709.07</u>	<u>3%</u>	<u>\$185,000.00</u>	<u>\$ 6,709.07</u>

GRANTS RECEIVABLE

Balance as of October 1, 1984	\$179,500.00
Drawdown for October	-0-
Increases for October	-0-
Balance as of October 31, 1984	<u>\$179,500.00</u>

CASH IN BANK

Balance as of October 1, 1984	\$ 5,500.00
Receipts for October	-0-
Disbursements for October	(6,709.07)
Balance as of October 31, 1984	<u>\$ (1,209.07)</u>

This grant will close June 30, 1985.

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Cooperative Agreement #84-ABH-00035
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Percent Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditur</u>
84-6 Herring Scale Analysis	<u>\$ 62,465.00</u>	<u>\$ 10,000.00</u>	<u>16%</u>	<u>\$ 52,465.00</u>	<u>\$ 1,376.78</u>

GRANTS RECEIVABLE

Balance as of October 1, 1984	\$ 62,465.00
Drawdown for October	(9,000.00)
Increase for October	-0-
Balance as of October 31, 1984	<u>\$ 53,465.00</u>

CASH IN BANK

Balance as of October 1, 1984	\$ (8,623.22)
Receipts for October	9,000.00
Disbursements for October	(1,376.78)
Balance as of October 31, 1984	<u>\$ (1,000.00)</u>

This grant will close July 31, 1985.

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Marine Mammal Commission Contract
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Percent Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditures</u>
Debris Study	<u>\$4,000.00</u>	<u>4,000.00</u>	<u>100%</u>	<u>\$ -0-</u>	<u>\$ -0-</u>

CASH IN BANK

Balance as of October 1, 1984	\$(4,000.00)
Receipts for October	4,000.00
Disbursements for October	-0-
Balance as of October 31, 1984	<u>\$ -0-</u>

MONTHLY FINANCIAL STATUS REPORT - OCTOBER 1984

Cooperative Agreement 85-ABH-00003
NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

	<u>Budgeted</u>	<u>Amount Expended to Date</u>	<u>Percent Expended to Date</u>	<u>Balance</u>	<u>Monthly Expenditures</u>
Personnel	\$578,583.00	\$ 37,217.32	6%	\$541,365.68	\$37,217.32
Special Consultants	8,000.00	-0-	0%	8,000.00	-0-
Fringe Benefits	106,780.00	8,409.79	7%	98,370.21	8,409.79
Travel	201,100.00	2,197.92	1%	198,902.08	2,197.92
Equipment	1,000.00	101.95	10%	898.05	101.95
Supplies	10,000.00	28.00	.3%	9,972.00	28.00
Contractual	9,000.00	-0-	0%	9,000.00	-0-
Other	<u>67,737.00</u>	<u>560.02</u>	<u>.8%</u>	<u>67,176.98</u>	<u>560.02</u>
TOTALS	<u>\$982,200.00</u>	<u>\$ 48,515.00</u>	<u>4%</u>	<u>\$933,685.00</u>	<u>\$48,515.00</u>

GRANTS RECEIVABLE

Balance as of October 1, 1984	\$ -0-
Drawdown for October	(45,000.00)
Increase for October	982,200.00
Balance as of October 31, 1984	<u>\$937,200.00</u>

CASH IN BANK

Balance as of October 1, 1984	\$ (100.00)
Receipts for October	45,000.00
Disbursements for October	(48,515.00)
Balance as of October 31, 1984	\$ (3,615.00)
Petty Cash Balance	100.00
Total Cash Balance	<u>\$ (3,515.00)</u>

This grant will close September 30, 1985.

EXECUTIVE SUMMARY

In January 1983, the Alaska Board of Fisheries and the North Pacific Fishery Management Council were presented a proposal which would change the counting year toward the chinook salmon quota from October 1-September 30 to July 1-June 30. The proposal was rejected at that time because both groups felt that insufficient information was available to permit assessment of the impacts of this change. The major questions involved the increasing importance of the winter troll fishery, the possibility of harvesting stocks at different intensities from closures at non-traditional times of the year, and the feasibility of using time/area closures to slow the rate of chinook salmon harvest without severely reducing coho salmon harvest. This study is designed to provide the regulatory agencies with some of the information needed to answer those questions.

The winter commercial troll fishery off Southeast Alaska is described and compared with other periods of the year based on information available from fish tickets and vessel registrations. In the past five years, the catch of chinook salmon in this fishery has increased steadily, with a substantial increase in 1983. Chinook salmon taken during the first half of this fishery average one to two pounds less than those taken during the remainder of the year while those taken in the second half do not differ noticeably from those taken in the early summer fishery. Fish taken during the winter fishery command a higher average price than those taken in the summer fishery and this differential has become more pronounced in recent years. The winter fishery is conducted primarily by residents of Southeast Alaska and participation by power trollers has increased substantially in recent years.

To determine whether stocks would be harvested differently if a change in the management year resulted in closures during non-traditional times of the year, the recovery patterns of coded micro-wire tags and the age distributions determined through scale pattern analysis of chinook salmon in the commercial troll fishery are examined. Most of the chinook salmon taken in the commercial troll fishery are four years old. Five year old chinook salmon are most prevalent early in the calendar year while three year old chinook salmon recruit into the fishery during the year and are most prevalent during later periods. Four indicator stocks, representing four major locations of chinook salmon production, are selected and their relative abundance throughout the year is examined. Recoveries by origin are projected based on the age distribution in the 1982 and 1983 fisheries. Stocks of Alaskan origin are most prevalent in the troll harvest during this April-June period. Transferring harvest from the April-June fishing period results in the harvest of fewer chinook salmon of Alaskan origin and harvests stocks from all areas at a different average age.

A simple model of the salmon troll fishery in outer coastal waters was constructed to determine if time/area closures might be useful in slowing the rate of chinook salmon harvest during the July-September period. Time/area closures, centering primarily on the Northern FCZ and the Fairweather Grounds, could be used to slow the rate of chinook salmon harvest by approximately 5% per week without reducing coho salmon harvest. The reliability of the technique is significantly improved if a 5% negative impact on weekly coho salmon harvest is acceptable. Closure of both the Northern and Central FCZ produces larger (approximately 13% per week) but more variable reductions in weekly chinook salmon catches while closure of the entire FCZ produces reductions which are no larger than the two area case.