

M E M O R A N D U M

TO: Council, SSC, and AP Members  
FROM: Jim H. Branson  
Executive Director  
DATE: January 24, 1984  
SUBJECT: Status of Contracts and Proposed Projects

*ACTION REQUIRED*

- (a) *Contract 82-2: Crab Observer Program - Final approval.*
- (b) *Programmatic research priorities - reconsider.*

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

\*82-2: Crab Observer Program  
(ADF&G, \$69,489, 90%, April 1982 to December 31, 1983)

Objective: To gather in-season catch data on species and sex composition, size frequency, fecundity, and discards.

Status: This contract is up for final approval.

83-1: Social and Cultural Aspects of the Pacific Halibut Fishery  
(Langdon, \$26,500, 94%, January 1 to July 31, 1983)

Objective: To gather social, cultural and demographic information descriptive of the contemporary Pacific halibut fishery important to management decisions.

Status: The SSC is reviewing a draft final report and will give a status report to the Council.

\*Requires Council action at this meeting.

83-2: ADF&G Plan Maintenance  
(ADF&G, \$60,000, 17%, July 1, 1983 to June 30, 1984)

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 September 30, 1984)

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

Status: No progress reports have been made yet on this project.

84-1: Sea Lion Pup Census Adjacent to Shelikof Strait  
(ADF&G, \$16,548, 0%, October 1, 1983 to October 31, 1984)

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 will be conducted in June 1984.

84-2: Chinook Troll Data Analysis  
(ADF&G, \$22,600, 0%, 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 analysis commenced in January.

#### \*Proposed Projects

In December the Council, its Finance Committee, and SSC approved the following prioritized list of research projects for FY/84 programmatic funding:

1. Domestic Groundfish Monitoring \$145,000  
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.
  
2. Chinook Salmon Incidental Catch - Part II 40,000  
Provide additional information on stock separation of chinooks caught incidental to the foreign trawl fisheries.

\*Requires Council action at this meeting.

|    |  |                    |
|----|--|--------------------|
| 3. | <u>Bering Sea Herring Scale Analysis - Part II</u><br>A continuation of the ongoing stock separation studies on herring.   | 60,000             |
| 4. | <u>Fisheries Management Conference</u><br>Will provide the Council's share in cosponsoring this conference that will examine current problems and solutions in fisheries management. Total estimated cost is \$92,000. | 10,000             |
| 5. | <u>ADF&amp;G FMP Development</u><br>Provide support for ADF&G personnel participation in Council activities.   | 15,000             |
|    |  | TOTAL    \$270,000 |

The SSC has requested a second look at these priorities. The Council may be requested to reconsider the above list at this meeting.

Status of Other Projects

Joint Venture Analysis

This analysis of the short and long term effects of joint ventures on the entire domestic groundfish industry was requested by Larry Cotter in early 1982. In July 1982 the SSC recommended that the study be conducted by employing a graduate student to compile existing data and summarize the relevant analyses. This is being done at the Northwest and Alaska Fisheries Center under the supervision of Dr. Rich Marasco. The project is progressing satisfactorily.

Bering Sea Herring Scale Analysis

This project was approved by the Council in March 1983. The \$59,930 from FY/83 funds was channeled through the NWAFC to expedite the project. The contractor is the University of Washington Fisheries Research Institute and the period of the contract is April 1, 1983 to March 31, 1984. The project will determine the degree of separability of major spawning stocks of herring in the eastern Bering Sea, north Alaska Peninsula and Aleutian areas using scale pattern characters. It will also examine the stock composition of herring collected from the domestic summer food and bait fishery and from offshore overwintering grounds if spawning stocks are determined to be separable. The project is progressing satisfactorily and a draft final report should be available for SSC review in March.

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

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



DEPARTMENT OF TRANSPORTATION  
UNITED STATES COAST GUARD

Address reply to:  
COMMANDER (oil)  
Seventeenth Coast Guard District  
P.O. Box 3-5000  
Juneau, Alaska 99802

(907) 586-7363

16214  
20 January 1984

REPORT TO THE NORTH PACIFIC FISHERY MANAGEMENT COUNCIL  
CONCERNING U.S. COAST GUARD MFCMA ENFORCEMENT

1. U.S. Coast Guard enforcement effort. U.S. Coast Guard enforcement effort for 1983 has totaled 775 cutter patrol days and 2987 aircraft patrol hours for a combined trackline coverage in excess of 458,000 miles. A total of 345 boardings were conducted on foreign fishing vessels within the Fishery Conservation Zone. Enforcement efforts resulted in forty-five reports of violation, thirty-seven citations and eight seizures. A monthly distribution of patrol effort is included in the enclosures. The monthly distribution totals may differ from earlier reports submitted throughout the year as a result of boardings completed during the final days of a calendar month. This report is complete for all months and may be considered an accurate reflection of MFCMA enforcement effort for 1983.

Enclosure: (1) U.S. Coast Guard Patrol Effort  
(2) Analysis of Boardings and Enforcement Incidents  
(3) Surveillance Standard Analysis for Independent Fishing Vessels  
(4) Boarding Standard Analysis for Independent Fishing Vessels for 1983

U.S. COAST GUARD PATROL EFFORT (1983)

|           | CUTTER<br>PATROL<br>DAYS | AIRCRAFT<br>PATROL<br>HOURS | MILES<br>PATROLLED | FISHING VESSEL IDENTIFICATIONS |     |    |    |    |    |    | FISHING VESSEL BOARDINGS |    |    |    |    |    |    |    |       |
|-----------|--------------------------|-----------------------------|--------------------|--------------------------------|-----|----|----|----|----|----|--------------------------|----|----|----|----|----|----|----|-------|
|           |                          |                             |                    | JA                             | KS  | PL | TW | GE | UR | CA | TOTAL                    | JA | KS | PL | TW | GE | UR | CA | TOTAL |
| JANUARY   | 46                       | 157                         | 25817              | 165                            | 103 | 00 | 00 | 03 | 25 | 00 | 296                      | 09 | 04 | 00 | 00 | 00 | 00 | 00 | 13    |
| FEBRUARY  | 60                       | 164                         | 32093              | 252                            | 76  | 00 | 00 | 01 | 16 | 00 | 345                      | 15 | 05 | 00 | 00 | 00 | 00 | 00 | 20    |
| MARCH     | 87                       | 186                         | 14360              | 353                            | 65  | 00 | 00 | 00 | 05 | 00 | 423                      | 34 | 03 | 00 | 00 | 00 | 02 | 00 | 39    |
| APRIL     | 77                       | 121                         | 12901              | 281                            | 58  | 00 | 00 | 00 | 04 | 00 | 343                      | 10 | 05 | 00 | 00 | 00 | 00 | 00 | 15    |
| MAY       | 67                       | 207                         | 38807              | 316                            | 52  | 00 | 00 | 00 | 15 | 01 | 384                      | 25 | 04 | 00 | 00 | 00 | 00 | 01 | 30    |
| JUNE      | 101                      | 356                         | 62300              | 499                            | 58  | 00 | 01 | 02 | 25 | 02 | 587                      | 39 | 08 | 00 | 00 | 00 | 02 | 01 | 50    |
| JULY      | 99                       | 503                         | 51961              | 639                            | 120 | 00 | 00 | 13 | 41 | 52 | 865                      | 61 | 16 | 00 | 00 | 02 | 03 | 01 | 83    |
| AUGUST    | 59                       | 563                         | 42657              | 323                            | 73  | 00 | 04 | 03 | 26 | 08 | 437                      | 19 | 06 | 00 | 00 | 00 | 01 | 00 | 26    |
| SEPTEMBER | 38                       | 228                         | 35376              | 324                            | 48  | 00 | 11 | 05 | 05 | 00 | 393                      | 11 | 01 | 00 | 00 | 01 | 00 | 00 | 13    |
| OCTOBER   | 38                       | 203                         | 29704              | 390                            | 71  | 00 | 02 | 05 | 07 | 00 | 475                      | 12 | 00 | 00 | 00 | 01 | 00 | 00 | 12    |
| NOVEMBER  | 52                       | 184                         | 31163              | 399                            | 92  | 00 | 02 | 06 | 45 | 00 | 544                      | 27 | 06 | 00 | 00 | 00 | 00 | 00 | 33    |
| DECEMBER  | 60                       | 225                         | 37532              | 230                            | 60  | 00 | 02 | 03 | 11 | 00 | 306                      | 04 | 07 | 00 | 00 | 00 | 00 | 00 | 11    |

ENCLOSURE (1)

ANALYSIS OF BOARDING AND ENFORCEMENT INCIDENTS  
FOR 1983  
(BOARDINGS/INCIDENTS) \*

|                     | JA     | UR  | KS    | PL  | TW  | GE  | CA  | ALL    | %BOARDINGS<br>RESULTING IN<br>INCIDENT |
|---------------------|--------|-----|-------|-----|-----|-----|-----|--------|--|
| JAN                 | 9/0    | 0/0 | 4/0   | 0/0 | 0/0 | 0/0 | 0/0 | 13/0   | 0                                      |
| FEB                 | 15/3   | 0/0 | 5/7   | 0/0 | 0/0 | 0/0 | 0/0 | 20/10  | 53                                     |
| MAR                 | 34/3   | 2/0 | 3/0   | 0/0 | 0/0 | 0/0 | 0/0 | 39/3   | 8                                      |
| APR                 | 10/6   | 0/0 | 5/3   | 0/0 | 0/0 | 0/0 | 0/0 | 15/9   | 60                                     |
| MAY                 | 25/1   | 0/0 | 4/1   | 0/0 | 0/0 | 0/0 | 1/1 | 30/3   | 10                                     |
| JUN                 | 39/5   | 2/2 | 8/2   | 0/0 | 0/0 | 0/0 | 1/1 | 50/10  | 20                                     |
| JUL                 | 61/5   | 3/2 | 16/1  | 0/0 | 0/0 | 2/0 | 1/1 | 83/9   | 11                                     |
| AUG                 | 19/0   | 1/0 | 6/1   | 0/0 | 0/0 | 0/0 | 0/0 | 26/1   | 4                                      |
| SEP                 | 11/2   | 0/0 | 1/0   | 0/0 | 0/0 | 1/0 | 0/0 | 13/2   | 15                                     |
| OCT                 | 12/1   | 0/0 | 0/0   | 0/0 | 0/0 | 0/0 | 0/0 | 12/1   | 12                                     |
| NOV                 | 27/9   | 0/0 | 6/0   | 0/0 | 0/0 | 0/0 | 0/0 | 33/9   | 27                                     |
| DEC                 | 4/1    | 0/0 | 7/1   | 0/0 | 0/0 | 0/0 | 0/0 | 11/2   | 18                                     |
| Cumulative<br>Total | 266/36 | 8/4 | 65/16 | 0/0 | 0/0 | 3/0 | 3/3 | 345/59 | 17                                     |

\* NOTE: RATIO DOES NOT INCLUDE INFRACTIONS DETECTED BY MEANS OTHER THAN BOARDING.

SURVEILLANCE STANDARD ANALYSIS FOR INDEPENDENT  
FOREIGN FISHING VESSELS (FFV) FOR 1983

| TIME PERIOD     | AVERAGE NUMBER OF<br>FFV ON GROUNDS FOR<br>PERIOD | NUMBER OF FFV ON<br>GROUNDS FOR ENTIRE<br>PERIOD THAT WERE<br>SIGHTED | %SIGHTED |
|-----------------|---|---|----------|
| 03 MAY - 20 MAY | 106   | 95  | 90       |
| 21 MAY - 30 MAY | 209   | 127   | 61       |
| 31 MAY - 13 JUN | 238   | 228   | 96       |
| 14 JUN - 27 JUN | 236   | 134   | 57       |
| 28 JUN - 11 JUL | 188   | 178   | 95       |
| 11 JUL - 20 JUL | 193   | 193   | 100      |
| 21 JUL - 04 AUG | 202   | 91  | 45       |
| 05 AUG - 19 AUG | 195   | 132   | 68       |
| 20 AUG - 03 SEP | 190   | 133   | 70       |
| 04 SEP - 20 SEP | 246   | 123   | 50       |
| 21 SEP - 06 OCT | 217   | 117   | 54       |
| 07 OCT - 21 OCT | 155   | 101   | 65       |
| 22 OCT - 04 NOV | 171   | 125   | 73       |
| 05 NOV - 19 NOV | 150   | 142   | 94       |
| 20 NOV - 30 NOV | 142   | 77  | 50       |
| 1 DEC - 14 DEC  | 127   | 73  | 58       |
| 15 DEC - 31 DEC | 69  | 43  | 62       |

BOARDING STANDARD ANALYSIS FOR INDEPENDENT  
FOREIGN FISHING VESSELS FOR 1983 \*

| MONTH               | GOAL | ACTUAL<br>BOARDINGS | %ACHIEVED |
|---------------------|------|---------------------|-----------|
| JANUARY             | 30   | 13                  | 43        |
| FEBRUARY            | 45   | 20                  | 42        |
| MARCH               | 48   | 39                  | 81        |
| APRIL               | 35   | 15                  | 43        |
| MAY                 | 40   | 30                  | 75        |
| JUNE                | 53   | 50                  | 94        |
| JULY                | 50   | 83                  | 100       |
| AUGUST              | 39   | 26                  | 67        |
| SEPTEMBER           | 54   | 13                  | 24        |
| OCTOBER             | 53   | 12                  | 23        |
| NOVEMBER            | 50   | 33                  | 66        |
| DECEMBER            | 30   | 11                  | 37        |
| Cumulative<br>Total | 527  | 345                 | 66        |

\*NOTE: BOARDING GOAL IS TO BOARD EVERY INDEPENDENT FOREIGN FISHING VESSEL ONCE EVERY TWELVE WEEKS.