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1991 Annual Report

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INTRODUCTION

Overview

The Commercial Fisheries Entry Commission (CFEC) is an exempt, independent, quasi-judicial agency responsible for promoting the conservation and sustained yield management of Alaska's fisheries resources and the economic health and stability of commercial fishing in Alaska by regulating entry into commercial fisheries in the public interest.

To meet these responsibilities, the Commission is organized into four sections (Adjudications, Research, Licensing, and Administrative/Data Processing; see, chart: "Organization by Agency Function") and engages in the following activities mandated by law (AS 16.43.010-990):

Establishes maximum numbers of entry permits for fisheries to be limited and implements application processes and systems to rank eligible applicants according to the relative hardship they would suffer by not receiving an entry permit from the state for a limited fishery;

Processes entry permit applications and adjudicates claims not resolved in initial classification;

Issues entry permits in limited fisheries, interim-use permits in unlimited fisheries, and licenses for all vessels as required to legally participate in the state's commercial fisheries;

Processes requests for emergency and permanent transfers of entry and interim-use permits, and compiles data on all such transfers;

Enforces provisions of the Limited Entry Act by regulating permit transfer activities, conducting investigations, and initiating administrative enforcement proceedings;

Monitors unlimited fisheries to assess the rate of development and the potential need for limitation;

Monitors limited fisheries to obtain information needed for setting optimum numbers in those fisheries and to determine the need for fleet reduction or increase;

Participates in the research and development of comprehensive fisheries economic data, and disseminates same to policy makers and members of the public; and,

Works with other state and federal management agencies to develop and coordinate fisheries policies.

A brief outline of some of the major court decisions, Commission activities, and other events affecting the operation of the Commission during the past several fiscal years can be seen in the summary table which follows this introduction.

In 1991, the Commission and its staff continued to meet its responsibilities in an efficient manner despite the declining budget and increasing work load.

The Adjudications Section hit an all time high during the year with the completion of 151 decisions. The hearing officers also conducted 133 separate administrative hearings. The CFEC Commissioners adjudicated a total of 136 cases, second only to 1986 with 139 cases decided. 1991 marked the seventh consecutive year with more than 100 cases decided.

The Licensing Section also hit an all time high with the issuance of more than 50,000 permits and licenses. This section was also responsible for the collection of more than \$6 million in revenue to the state. A total of 17,944 individual permit holders were recorded for the year 1991.

The CFEC Research Section was very productive during 1991 with the completion of a number of important research projects. A major study entitled "Changes in the Distribution of Alaska's Limited Entry Permits, 1975-1990", was completed depicting in detail a 15 year history of permit transfers. Work also continued on the optimum numbers study as required by *Johns v. State*, CFEC.

The Data Processing Section provides the link that ties all the work of the Commission together. This section has continued to refine the Commission's computer support and allowed the agency to achieve greater efficiencies.

Because of the Data Processing Section the Commission has been able to produce more with less.

The following parts of this report provide a more thorough outline of some of the year's important events by operating section. The appendix provides summary data on Alaska's limited fisheries and permits. Questions or comments about the contents of this report are welcome.

During 1991, the Alaska Legislature authorized the CFEC to implement a moratorium on new entrants into the Southeastern Alaska Dungeness crab fisheries. After this law was passed, all of the CFEC sections helped review the need for a moratorium. Prior to its decision to establish a moratorium, the CFEC analyzed data about the participants in the fishery, proposed regulations, held public hearings, and prepared application forms to mail to potential applicants.

In August of 1991, Frank Homan of Juneau was appointed to the Commission upon the resignation of Phil Smith also of Juneau who had served as a Commissioner for eight years.

Organization by Agency Function

ADJUDICATIONS

- Application Processing & Classification
- Administrative Hearings
- Case Management
- Preparation of Official Record in Judicial Appeals
- Residency / Fraud Investigations

LICENSING

- Entry and Interim-Use Permit Renewal
- Vessel Licensing
- Permit Transfers
- Local Licensing (Bristol Bay and Kodiak)

RESEARCH

- Fisheries Data Collection
- Economic Profiles
- New Limitation Research
- Priority Hardship ("point") System Development and Testing
- Optimum Number Research

DATA PROCESSING

- On-Line Licensing Data Bank
- Fisheries Data Bank
- Data Assistance to Adjudications and Research
- Personnel, Travel, Accounting, and Property/Supply Management

***NOTE:** The above organization chart presents a general view of the Commission's primary functions. It by no means lists all activities undertaken to meet the Commission's statutory responsibilities as set forth in AS 16.43.010-990.

Major Decisions/Activities Affecting Agency Operations (Fiscal Years 1988 - 1992)

FY88:

- Research and hearings on Prince William Sound herring spawn on kelp pound fishery point system and application processing (140 applications) begins.
- Application processing for Southeastern black cod fisheries (213 applications) begins.
- Western Alaska herring fisheries researched, extensive hearings in Western Alaska villages held, and five fisheries limited.

FY89:

- Research and hearings on Western Alaska herring fisheries point systems.
- Wassillie settlement finalized, processing of 273 applications begins.
- Alaska Supreme Court decision in Johns case; extensive research and data analysis for optimum number determinations begins.
- Exxon Valdez oil spill in Prince William Sound creates significant demand for Data Processing services to assist affected fishermen.

FY90:

- Exxon Valdez oil spill continues to make demands on Data Processing; Research services required to respond to legal activity.
- Western Alaska herring fisheries point systems finalized, application period opens, processing applications begins (application period open through May 31, 1990; anticipate more than 1,200 applications for permanent permits in Western Alaska herring fisheries).
- Togiak herring spawn on kelp fishery researched, hearings held, and fishery limited.

FY91:

- Togiak herring spawn on kelp fishery point system adopted, application period began, more than 500 applications expected. Initial classification of approximately half of the 1,813 Western Alaska herring permit applications completed.
- A permit holder, joined by the State as a friend of the court, obtained a preliminary injunction from the Federal District Court against the IRS which blocked the IRS' scheduled sale of the holder's entry permit.

FY92:

- The Commission conducted workshops to aid rural Alaskans get and keep limited entry permits in their local communities.
- Completed initial classification of Western Alaska herring and Togiak herring spawn on kelp fisheries.
- An optimum number study in process for the Southeastern Alaska roe herring purse seine fishery.
- Conducted research, held public hearings, adopted regulations and implemented a moratorium (in response to HB 137 last year) in the Southeastern Alaska Dungeness crab fishery (more than 300 eligible to apply).
- Aided the Alaska Board of Fish in its creation of a new open access salmon set net fishery around Atka Island for the 1992 season, which will commercially harvest local pink salmon stocks.
- Federal District Court ruled that the Internal Revenue Service could seize and force the sale of limited entry permits.
- Legislation introduced by Governor Hickel to establish statutory guidelines for transfers as the result of valid executions is adopted by the legislature.

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ADJUDICATIONS

Overview

The Adjudications Section is responsible for processing applications for entry permits in limited fisheries and conducting hearings for those who contest Commission decisions affecting them. The section also conducts investigations into potential violations of the Commission's statutes and regulations, and provides assistance to other enforcement agencies.

Entry permit applications are first evaluated by Commission paralegals who classify applicants in a ranking system that measures each applicant's past participation and economic dependence on the fishery. Applicants who disagree with their initial classifications may request hearings. Hearings are also available to contest initial decisions about permit transfer requests or about qualifications for the lower permit renewal fees charged to Alaska residents.

Commission hearing officers conduct administrative hearings throughout the state and decide appeals of initial determinations about entry permit applications, permit transfer requests, and fee arrearages charged to those who wrongly claimed to be Alaska residents. Beginning in 1991, Commission paralegals conducted the initial hearings on appeals from denied emergency transfer requests. The Commissioners review and affirm or modify hearing officers' decisions on their own motion, or upon the request of an affected party.

Commission hearing officers also preside in "show cause" hearings. These hearings are held in the presence of the Commissioners. In these proceedings, the Commission may impose fines, or revoke or suspend the permits of those who attempt to mislead the Commission with false information.

Administrative Proceedings and Decisions

During 1991, Commission paralegals completed most of the initial classification of applications for Norton Sound herring gill net and beach seine, Cape Romanzov herring gill net, Nelson Island herring gill net and Nunivak Island herring gill net entry permits. Applications have been accepted for Togiak herring spawn on kelp permits, and these will be processed during 1992.

The hearing officers conducted 133 hearings in 1991: 93 on permit applications, and 40 on permit transfers. The hearing officers issued 151 decisions: 108 on permit applications, 29 on permit transfers, 1 on fee arrearages, 1 on a show cause proceeding, and 12 miscellaneous actions. At the end of the year, 687 cases were in various stages leading up to the issuance of a decision by a hearing officer.

The Commissioners adjudicated a total of 136 cases during 1991: 123 permit applications, 7 permit transfers, 2 fee arrearages, and 4 on miscellaneous matters. At the end of the year, 163 cases were in various stages of the adjudication process leading to the issuance of final decisions by the Commissioners.

Investigations

During 1991, the Commission received fines and arrearages of \$69,370 due to the successful settlement of prior actions. The Commission continues to cooperate with state and federal law enforcement agencies.

Judicial Rulings and Appeals

The Alaska Supreme Court issued one decision in 1991 about the Commission and entry permits. In CFEC, State v. Baxter, 806 P.2d 1373 (Alaska 1991), the court upheld a CFEC decision denying an applicant credit for owning a vessel because he did not prove he ever used it in the fishery during the applicable period.

Internal Revenue Service Seizures of Limited Entry Permits

During the ten years that the State has resisted Internal Revenue Service (IRS) attempts to seize and force the sale of limited entry permits, the Entry Commission has consistently advised fishers not to wager on a favorable outcome and to get their affairs in order with the IRS. Our advice is now more pressing than ever. In the Lorentzen case, the Federal District Court ruled that limited entry permits are subject to IRS' seizure and forced sale. The State participated in Lorentzen as a friend of the court. The individual fisher who filed the Lorentzen case did not appeal the court's ruling.

Lorentzen does not change State law: except as noted below, creditors may not execute upon entry permits, and permits may not be pledged as security for debts (with the exception of a State or CFAB loan). The net effect of Lorentzen is that, in addition to child support claimants with judgements for arrearages, the Internal Revenue Service can now execute upon entry permits to foreclose upon federal tax liens.

In response, the State Legislature has enacted Governor Hickel's SB 449, which provides statutory guidelines for transfers as the result of valid executions. The legislation is intended to ensure some State control over the transfers and, among other things, to protect the revolving loan funds of the State Commercial Fisheries Loan Program and the Alaska Commercial Fishing and Agriculture Bank.

At the same time, the Entry Commission and the IRS have undertaken a dialogue in an effort to facilitate voluntary compliance by fishers with their tax obligations. The problem is serious. Many fishers planned to pay their 1990 taxes with earnings from the 1991 season, which for salmon fishers was a disaster. In part as a consequence, IRS estimates that some 3,000 Alaska fishers owe federal taxes. The commission will pursue these discussions in the hope that seizures and forced sales of entry permits can be avoided.

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LICENSING

Overview

The licensing section serves the commercial fishing industry by issuing the commercial fishing permits and vessel licenses required for participation in Alaska's commercial fisheries. The small staff of four full-time employees at the Juneau office, and one at the Kodiak field office, issue 50,000+ licenses annually. That staff is supplemented by two seasonal and two temporary employees who work only during the peak months of licensing activity. One additional employee is responsible for processing permit transfer requests (for both permanent and emergency transfers), totaling approximately 1,800 per year. Beginning late in 1990, the licensing section gained one additional employee and assumed responsibility for all of the agency's telephone switchboard and mail processing functions.

Licensing activity is very seasonal. Activity is slower during the late summer and fall, picking up immediately after the mailout of license renewal forms, dropping off again mid-winter then gradually increasing throughout the spring. A perpetual problem with which the licensing section contends each year is the tendency of many fishermen to wait until the last minute to apply for necessary permits, resulting in a high-pressure time crunch for themselves and the licensing staff.

The licensing section continually strives to improve efficiency of operations. During 1991, considerable time was spent on in-house redesign of license renewal/application forms to allow all of the permits and/or vessel licenses held by an individual to be renewed on a single form (in prior years separate forms were required for each license). The 1992 renewal forms were printed and mailed by the agency without relying on outside vendors, resulting in significant savings. Initial response to the new forms has been very favorable; fishermen have just one form to sign and return instead of as many as 5 - 15, and paper handling and filing has been greatly reduced for the staff, resulting in faster issuance of licenses.

Permit transfer activity also tends to be very seasonal, peaking in June when mid-season emergency transfers predominate. During 1991, permanent transfer activity remained fairly constant compared to 1990, with 963 transfer requests received, of which 39 were denied and 924 approved. Emergency transfers increased slightly, rising from 800 in 1990 to 846 in 1991 - of which 58 were denied and 788 approved.

The licensing section takes in revenues from annual permit and vessel license fees, one-time limited entry permit application fees, fines and arrearages assessed pursuant to residency investigations or revocation actions, and user fees which are charged for the privilege of obtaining licenses at Commission field offices rather than by mail from the Juneau office. Pursuant to AS.23.35.060, \$18 for each fisherman who is a resident of Alaska, and \$54 for each nonresident, is transferred from the Commission's licensing revenues to the Fishermen's Fund insurance program which is administered by the Department of Labor. Following this summary are tables indicating revenues received during both fiscal and calendar year 1991 and the number of 1991 permits and vessel licenses issued.

During 1991, the Commission maintained the full-time Kodiak field office and the seasonal offices in Bristol Bay which provide licensing service and assistance with other limited entry matters. (A summary of field office activities follows the table, Licenses Issued for 1991.)

1991 Licensing Revenue

REVENUE SOURCE *	FISCAL YEAR 91	CALENDAR YEAR 91
Permit Fees	\$5, 347, 940	\$5, 885, 370
Vessel License Fees	384, 318	388, 244
Limited Entry Application Fees	7, 690	20, 880

Field Office User Fees	40,300	39,400
Fines/Arrearages	62,433	79,043
NSF Check Penalties	1,050	1,275
Misc. Revenue	70,175	49,250
GROSS REVENUE	\$5,913,906	\$6,463,462
(less refunds)	- 82,076	- 79,884
NET REVENUE	\$5,831,830	\$6,383,578
(less Fishermen's Fund transfer)	- 467,712	\$ 472,500
	\$5,364,118	\$5,911,078

* This report indicates total revenue received from each source regardless of the license year;; it includes fees for permits and vessel licenses for 1990, 1991 and 1992, received during the fiscal year or calendar year, respectively.

Licenses Issued For 1991

Limited Entry Permits Not Renewed.	415
Limited Entry Permits Revoked or Lapsed (since 1975)	473
Limited Entry Permits Renewed.	12,657
Interim Permits in Limited Fisheries	1,247
Interim Permits in Open-to-Entry Fisheries	18,598
Special Harvest Area (Hatchery) Permits.	17
Educational Entry Permits.	5
PERMITS PAID FOR 1991	32,524
VESSELS LICENSED FOR 1991	17,580
TOTAL PERMITS AND VESSEL LICENSES.	50,104
Resident Permit Holders.	13,791
Nonresident Permit Holders	4,153
TOTAL PERMIT HOLDERS.	17,944

Revenue Transferred to the Fishermen's Fund was \$472,500 (for 1991 permits only)

Licensing Field Office Activities

Field Office Locations	Permits Issued*	Vessels Licensed	User Fees Collected
Kodiak	2,515	821	\$31,350
Dillingham	274	89	3,180
King Salmon	326	132	3,690
TOTAL FIELD OFFICE USER FEES			\$38,220

- * Permits Issued includes original cards and duplicates.

The Kodiak office is open throughout the entire calendar year, while the field offices in Dillingham and King Salmon are operated on a seasonal basis only. During 1991, CFEC staff provided licensing service in Dillingham for a few days immediately prior to the Togiak herring fishery and for five weeks during the salmon season. The King Salmon office was staffed for approximately five weeks during the Bristol Bay salmon season.

The user fee is a surcharge of \$10.00 for each permit or vessel license obtained at a field office. User fees were implemented in 1988 to cover the costs of field office services which would otherwise have been eliminated due to budget reductions.

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RESEARCH

Overview

The research section provides the background research and data analyses needed by the Commission. The section, coupled with the Commission's data processing section, also produces basic economic data on Alaska's fisheries which can be used to address many policy questions and to develop standard or specialized reports to serve the data needs of users outside the agency.

In 1991, the Commission's research staff was involved in a wide range of projects. These projects included efforts to monitor trends in Alaska's fisheries, to evaluate the need for access controls in particular fisheries, to develop eligibility criteria for moratoria in the Southeastern Alaska Dungeness crab fisheries, to document and analyze changes occurring under the entry limitation program, to provide other agencies and users with needed data, and to develop optimum number recommendations for the Southeastern Alaska roe herring purse seine fishery. The following paragraphs provide brief highlights of 1991 activities.

New Moratorium Legislation

In 1991, Alaska's legislature passed a bill (SCSCS HB 137) which provided the Commission with the authority to implement a moratorium on new entrants into certain fisheries under specific conditions. The bill amended several different statutes. Prior to this legislation, a moratorium on new entrants could only be achieved by implementing a full-scale limited entry program. Under the new legislation, a moratorium can last a maximum of four years.

The legislation provides the Commission with the authority to implement a moratorium on new entrants into a fishery that: (1) has experienced recent increases in fishing effort that are beyond a low, sporadic level of effort; (2) has achieved a level of harvest that may be approaching or exceeding the maximum sustainable level for the fishery; and (3) for which there is insufficient biological and resource management information necessary to promote the conservation and sustained yield management of the fishery (see AS 16.43.225). The law also provided the Commission with the direct authority to implement a moratorium in the Southeastern Alaska Dungeness Crab fishery (see AS 16.43.227).

The Commission may act under AS 16.43.225, only if the Commissioner of the Alaska Department of Fish and Game (ADF&G), upon approval of the Board of Fisheries (BOF), petitions the Commission under AS 44.62.220 for a moratorium on new entrants. To act, the Commission also must conclude that the fishery has reached a level of participation that may threaten the conservation and the sustained yield management of the fishery resource and the economic health and stability of commercial fishing. The Commission must also find that they have insufficient information to limit entry under AS 16.43.240.

A fishery reverts to open access at the conclusion of a moratorium, unless the Commission takes other actions to limit entry. A moratorium is expected to be much less costly to administer than a full-scale limited entry program.

Moratoria and Limitation Studies

Each year, as some of Alaska's unlimited fisheries face increasing fishing pressure, the Commission receives requests to limit entry into additional fisheries. In 1990, the Commission received another petition to limit the Southeastern Alaska Dungeness crab fisheries. The research staff produced an extensive research report on the fishery in 1990, and continued to provide report updates to the Commission in 1991.

Nevertheless, the Commission did not adopt a full-scale limited entry program in these Dungeness fisheries because it was doubtful that the existing limited entry statutes would be very effective at controlling the growth in fishing effort over the longer-term. Many Dungeness fishermen agreed with the Commission but still felt that there was a need to take temporary action to contain the growth in effort while longer-term alternatives for the fisheries could be explored.

In 1991, fishermen in the Southeastern Alaska Dungeness crab fisheries, fishermen in Southeastern Alaska diving fisheries, and their legislators were instrumental in developing the new moratorium legislation which became law. Following passage of the legislation, the Commission was petitioned immediately for such a moratorium by Southeastern Alaska Dungeness crab fishermen.

After receiving the petition, the Commission developed regulatory proposals for moratoria in the Southeastern Alaska Dungeness pot, ring net, and diving fisheries. The Commission carefully analyzed alternative eligibility criteria required under AS 16.43.227 and AS 16.43.225 (e). A regulatory proposal was made in August and a public comment period was held in August and September. Several public meetings were held throughout Southeastern Alaska to discuss the proposal.

While the public comments were mixed, particularly with respect to eligibility requirements, the weight of the public testimony and the comments of the ADF&G supported the need for moratoria in these fisheries. The Commission adopted moratoria regulations in September 1991, and only those eligible to fish during the moratoria will be issued interim-use permits in 1992. Currently, fishermen and the Commission are exploring longer-term options for effort management in these fisheries.

In 1991 the Commission's research staff also completed a series of reports on the Southeastern Alaska diving fisheries. The Commission received petitions to implement moratoria or limited entry into some of the Southeastern Alaska diving fisheries in 1990, and decided to look at several of these fisheries as a complex.

A series of five reports on these Southeastern Alaska diving fisheries were prepared by Susan Shirley and Al Tingley. Four of the reports cover the abalone, sea cucumbers, sea urchins, and geoduck fisheries, separately. These reports look at the development of each fishery, participation histories, harvest and earnings data, and participation patterns across fishing areas. A fifth report looks at all the fisheries as a complex and examines participation patterns across species, area and combinations of species and area.

One of the fisheries which experienced a recent rapid increase in effort is the Southeastern Alaska sea cucumber fishery. In April of 1990, the Central Council of the Tlingit and Haida Indian Tribes of Alaska filed a suit against the BOF, CFEC, and ADF&G "to prevent further destruction and mismanagement of stocks of sea cucumbers and other subsistence seafoods in violation of principles of sustained yield mandated by the Alaska Constitution." In May 1990, the ADF&G closed the fishery until research could be conducted and a new management approach could be developed.

The ADF&G subsequently conducted surveys and developed an interim management plan. In early 1991, the BOF developed new regulations to manage the fishery (see 5 AAC 38.140). The Board also passed a plan for managing high impact emerging fisheries in general (see 5 AAC 39.210). The Department has proceeded to manage the fisheries under these new regulations.

After the new moratorium legislation was signed into law in June of 1991, sea cucumber fishermen petitioned the Commissioner of Fish and Game for a moratorium on new entrants into the fishery. Because ADF&G's new management plan appears to be capable of adequately providing for resource conservation in the fishery, the Department concluded that the fishery no longer met all of the criteria specified in AS 16.05.050(20). As a result, the Department decided that they did not have the authority to petition the Commission for a moratorium. Both the Commission and the Department will continue to monitor developments in these diving fisheries.

Optimum Number Research

In 1991, the Commission's research staff completed a preliminary rough draft of a report on optimum numbers for the Southeastern Alaska roe herring purse seine fishery. This work was mandated by the decision of the Alaska Supreme Court in *Johns v. State*, CFEC, 758 P.2d 1256 (Alaska 1988).

Johns recognizes that more permits could be created and sold as a result. Because Johns is premised on a constitutional issue, the same claim could be brought in any limited fishery where there has been a substantial change in conditions since the time the fishery was limited.

The preliminary report is currently being reviewed and extensively revised but should be released for public comment during 1992. The Commission wants to take great care in making an optimum number decision, as there is a real risk that any decision may result in a new court challenge.

Some of the research which was undertaken in this fishery will be helpful in the optimum number process in other herring fisheries. The Commission expects to move prudently with respect to optimum number research in other fisheries. Further, current research may well lead to Legislative recommendations which could simplify and clarify this difficult area of the Limited Entry Act.

Permit Distribution Patterns

In 1991, the Commission continued to monitor changes in the distribution of holders of Alaska's limited entry permits. The geographic distribution of Alaska's limited entry permits is a topic which continues to be an important concern to Alaskans and their legislators. The report, *Changes In The Distribution Of Alaska's Limited Entry Permits, 1975-1990* (CFEC Report 91-6, co-authored by Rick Berning and Elaine Dinneford), provides extensive data, information and analyses on the topic.

This report updates previous studies by the Commission. A major change in this report from earlier versions was the use of 1990 census data and standards to define the rural and urban categories used in the definition of the resident-types in the report. For analysis purposes, the report defines five resident-types relative to each limited fishery. These include non-residents and four Alaskan resident-types. The four Alaskan resident-types are based upon whether a permit holder lives in a rural or urban community, and whether that community is considered local or non-local to the limited fishery.

The report provides data on the 48 limited fisheries for which permanent permits had been issued through year-end 1990. It covers the 1975 through 1990 time period and includes detailed information on the changes in the number and type of entry permits held by each Alaskan resident-type and nonresidents.

The report provides fishery specific and statewide data on transfer incidence, the initial geographic distribution of permit holders, changes due to permit transfers, changes due to permit holder migrations, and the year-end 1990 geographic distribution of permit holders. Data are also provided on the age distribution of permit holders through time and age differences between transferors and transfer recipients.

Summary statistics are also reported from CFEC's transfer survey. These statistics provide information on the incidence of transfers between family members and business partners, transfer acquisition methods, and transfer financing methods. Copies of the report are available upon request.

Other Reports/Activities

During the year, the Commission's research staff produced many ad hoc reports for the Commission and special request reports for the BOF and the Alaska legislature. The staff produces monthly permit value estimates for the Department of Commerce and Economic Development and other users. Elaine Dinneford produced a number of reports on wholesale production and value for both the Commission and outside users and produced reports for the Commission on changes in permit holdings in particular fisheries by village.

Ben Muse extended some earlier work which he had done on permit values in a paper titled "Fishing Permit Values and Management Rents In Alaska Salmon Fisheries". This paper was presented at the 1991 meeting of the Western Economics Association. In the paper, Dr. Muse uses his previous estimates of the relationship between permit values and net earnings to forecast the impact on management rents of a 25% increase in gross revenues in the Southeastern Alaska salmon purse seine fishery. Among other topics, the paper raises the possibility that such events may increase short term rents to crewmembers.

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Appendix Table 1

TABLE 1. PERMIT AND PERMIT TRANSFER STATISTICS, 1975-1991 *									
Transfer Survey Information				Actual Transfer Information					
Permits with State Liens	Number of Non-mon. Fishery and Transfers	Number of Monetary Area Transfers	Average Price Paid for Permits	Total Permanent Permits	Number of Permits Financed Held by Monetary Alaskans	Total Number of Transfers	Number of Permits Involved in Transfers	Change in Residency Due to Transfers	
	Sablefish Longline S. Southeastern		89	2	1	0	0	0	
0	0	0	---	3	0	1	1	0	
1	0	1	90 ***	3	0	1	1	- 1	
1	0	1	91 ***						
	N. Southeastern		88	16	14	0	0	0	
0	0	0	---	27	0	1	1	0	
0	0	1	89 ***	27	0	2	2	0	
1	0	2	90 ***	28	0	3	3	- 1	
0	0	3	91 ***						
	Sablefish Pots S. Southeastern		88	1	1	0	0	0	
0	0	0	---	1	0	0	0	0	
0	0	0	---	1	0	0	0	0	
0	0	0	---	1	0	0	0	0	
0	0	0	---						
	Herring Purse Seine Southeastern		77	38	36	0	0	0	
0	0	0	---	41	0	2	2	- 1	
0	0	0	---	42	0	2	2	0	
1	1	0	---	42	0	2	2	+ 1	
2	2	0	---	41	0	1	1	0	
5	1	0	---	42	0	4	4	0	
5	2	2	82 ***	42	2	3	3	- 2	
6	1	2	83 ***	42	1	1	1	0	
8	0	1	84 ***	43	1	2	2	0	
9	0	2	85 ***	44	2	3	3	0	
9	1	2	86 ***	44	2	3	3	0	
10	1	2	87 ***	44	2	3	3	- 2	
11	0	3	88 ***	44	0	0	0	0	
11	0	0	---	44	0	2	2	0	
11	0	2	90 ***		1				

13	0	4	91 235,000	44	1	35	4	4	0
0	Prince Wm Sound		77 ***	85	1	77	3	3	- 1
0	0	1	78 ***	91	0	78	7	6	- 1
0	1	2	79 ***	92	1	80	16	13	+ 1
5	2	4	80 46,250	92	3	77	7	7	- 1
8	2	2	81 ***	92	2	76	4	4	0
14	3	7	82 71,250	93	6	78	10	10	0
16	1	1	83 ***	97	1	83	2	2	+ 2
22	9	7	84 63,857	100	7	86	16	15	+ 1
25	4	12	85 66,375	102	5	86	16	14	- 1
29	3	10	86 75,750	102	6	85	13	13	0
29	2	4	87 96,250	103	1	84	6	6	0
34	1	10	88 160,500	103	3	82	11	10	+ 1
37	0	1	89 ***	103	1	81	1	1	+ 1
36	5	3	90 ***	103	2	81	8	8	+ 3
35	1	6	91 222,500	103	2	80	7	7	+ 1
0	Herring Purse Cook Inlet		77 ***	61	0	57	1	1	0
0	1	1	78 ***	67	1	60	9	7	- 1
0	0	4	79 27,500	68	1	59	10	7	0
5	1	1	80 ***	68	1	58	3	3	0
6	1	3	81 ***	68	1	56	4	4	- 1
6	1	1	82 ***	69	1	58	2	2	0
6	1	0	83 ---	70	0	59	1	1	0
7	2	1	84 ***	72	1	59	3	3	0
8	2	10	85 16,700	73	0	59	12	12	+ 1
10	7	13	86 31,362	73	4	57	20	19	- 2
12	3	11	87 111,364	73	3	56	14	14	- 2
17	1	4	88 165,000	73	2	55	5	5	0
16	1	4	89 211,250	73	3	53	5	3	0
18	4	1	90 ***	73	0	51	5	5	0
17	1	3	91 ***	73	1	49	4	4	0
0	Kodiak	0	84 ---	5	0	5	0	0	0
2	2	4	85 36,250	42	2	39	6	6	0
4	2	7	86 23,286	42	3	39	9	9	+ 1
6	0	9	87 22,611	44	2	40	9	7	- 1
8	2	2	88 ***	45	1	42	4	4	+ 1
7	4	3	89 ***	46	1	44	7	7	+ 1
10	2	5	90 70,500	46	2	42	7	7	0
			91	47		42	5	5	- 1

8	2	3	***	0					
	Herring Beach	Seine							
	Norton Sound		90	2	1	0	0	0	
0	0	0	---	0	1	0	0	0	
0	0	0	91	2	1	0	0	0	
			---	0					
	Herring Seine/Gill Net								
	Kodiak		87	1	1	0	0	0	
0	0	0	---	0	1	0	0	0	
			88	1	1	0	0	0	
0	0	0	---	0	1	0	0	0	
			89	1	1	0	0	0	
0	0	0	---	0	1	0	0	0	
0	0	0	---	0	1	0	0	0	
0	0	0	91	1	1	0	0	0	
			---	0					
	Herring Gill Net								
	Southeastern		78	10	10	1	1	0	
0	0	0	---	0	35	2	2	0	
1	0	0	79	39	0	4	4	0	
			80	44	38	4	4	0	
2	0	4	13,363	4	39	4	4	+ 1	
6	0	4	81	45	2	6	6	- 1	
			13,875	2	47	12	12	- 6	
10	1	5	82	59	5	11	11	+ 1	
8	9	3	83	67	2	16	16	- 5	
			***	2	61	12	10	- 1	
11	5	6	84	82	62	11	11	+ 1	
			39,583	2	61	16	16	- 5	
11	4	12	85	87	4	12	10	- 1	
			45,000	4	61	15	14	0	
10	8	4	86	90	1	15	14	0	
			51,250	1	60	16	15	- 2	
13	3	12	87	91	6	6	6	+ 1	
14	5	11	88	91	58	6	6	0	
			48,542	4	60	5	5	0	
14	2	4	89	92	2	64	5	0	
			54,750	2	64	8	7	+ 1	
12	3	2	90	98	1	8	7	+ 1	
			***	1	66				
13	1	7	91	98	1				
			27,214	1					
	Herring Gill Net								
	Prince Wm Sound		82	24	22	4	4	+ 1	
0	1	3	83	24	23	4	4	+ 1	
			***	4	22	5	5	0	
3	0	4	84	24	22	4	3	+ 1	
			17,000	4	23	5	5	0	
7	1	4	85	24	22	4	3	+ 1	
			24,000	2	22	5	5	0	
9	1	3	86	24	22	1	1	0	
			***	1	22	2	2	0	
11	1	4	87	24	22	1	1	0	
			30,500	0	22	2	2	0	
10	1	0	88	24	22	3	3	- 1	
			---	1	21	0	0	0	
11	0	2	89	24	21	0	0	0	
			***	0	22	2	2	+ 1	
10	0	3	90	24	21	2	2	+ 1	
			***	0	22				
8	0	0	91	24	22				
			---	1					
8	0	2	84	8	8	1	1	0	
			***	1	53	12	11	0	
0	0	1	85	54	57	12	12	+ 1	
3	2	10	86	57	57	9	8	0	
			15,600	4					
11	2	10	87	59	59				
			16,600						

14	3	6	15,250	3					
15	3	18	88 16,511	64	3	64	21	20	0
17	1	12	89 22,813	68	2	66	13	13	- 1
18	5	8	90 29,000	72	0	69	13	12	0
17	2	8	91 31,125	74	1	71	10	10	0
0	Nelson Island		90	77		74	1	1	0
0	1	0	---	80	0	77	2	2	0
0	2	0	---		0				
0	Nunivak Island		90	9		8	0	0	0
0	0	0	---	42	0	40	0	0	0
0	0	0	---		0				
0	Lower Yukon		90	66		66	3	2	0
0	3	0	---	70	0	70	5	5	0
0	5	0	---		0				
0	Norton Sound		90	211		162	31	29	- 7
0	5	26	29,731	229	2	178	35	33	+ 1
6	8	27	91 35,370		3				
0	King/Tanner Crab Pot								
0	SE Red/Blue King		89	1		1	0	0	0
0	0	0	---	1	0	1	0	0	0
0	0	0	---	1	0	1	0	0	0
0	0	0	---	1	0	1	0	0	0
0	SE Brn King		90	1		1	0	0	0
0	0	0	---	1	0	1	0	0	0
0	0	0	---		0				
0	SE R/B King + Tanner		89	4		4	0	0	0
0	0	0	---	6	0	6	1	1	0
1	0	1	90 ***	7	1	7	1	1	0
2	0	1	91 ***		1				
0	SE All King + Tanner		89	5		5	0	0	0
0	0	0	---	14	0	14	1	1	0
1	0	1	90 ***	14	1	14	1	1	0
3	0	1	91 ***		0				
0	SE Tanner Crab		89	1		1	0	0	0
0	0	0	---	3	0	3	1	1	0
0	0	1	90 ***	3	0	3	0	0	0
0	0	0	91 ---		0				
3	Herring Pound								
8	Prince Wm Sound		88	128		97	36	34	+ 4
9	4	32	24,519	7					
8	1	13	89 47,884	128	4	101	14	14	+ 5
9	2	2	90 ***	128	1	100	4	4	- 1
12	0	12	91 61,375	128	1	102	12	12	+ 2
0	Salmon Purse Seine								
0	Southeastern		75	398		198	51	51	- 4
	8	15	10,633	12					
			76	409		202	24	21	- 3

0	1	9	9,222	5					
0	6	21	77,16,667	411	14	196	53	50	- 6
0	5	16	78,30,929	413	13	193	56	50	- 8
1	3	12	79,39,917	413	10	189	38	36	- 2
13	12	15	80,39,600	414	9	193	35	34	+ 3
16	12	23	81,40,652	414	12	194	35	34	0
24	10	21	82,40,286	414	11	186	31	31	- 6
27	14	20	83,38,531	416	10	187	34	32	- 1
33	17	38	84,40,884	417	18	185	55	52	- 1
39	9	27	85,37,907	416	12	181	36	33	- 6
38	8	18	86,34,403	416	3	184	26	23	+ 2
43	6	30	87,40,832	416	10	182	36	33	+ 3
45	12	18	88,65,833	416	5	181	30	29	- 3
47	7	29	89,78,448	416	12	182	36	36	+ 5
45	8	18	90,104,667	417	4	180	26	26	- 2
48	14	19	91,92,684	417	6	181	33	32	+ 2
Prince Wm Sound			75	210		164	19	17	+ 2
0	0	7	76,8,000	247	5	194	42	36	- 5
0	5	11	77,10,700	255	6	198	28	24	- 3
0	1	6	78,29,800	257	5	193	36	32	- 5
0	3	10	79,24,272	258	4	192	47	41	- 3
5	3	13	80,33,846	258	5	197	29	28	+ 1
15	12	14	81,40,154	259	6	190	34	34	- 5
33	18	16	82,69,531	259	10	188	26	26	+ 1
41	12	14	83,101,690	259	13	187	29	28	- 1
53	12	17	84,142,384	261	14	188	23	22	- 2
62	12	11	85,131,695	261	9	191	27	25	+ 7
68	10	17	86,104,206	262	8	190	26	24	+ 1
71	13	13	87,99,400	262	9	191	36	35	+ 1
72	15	21	88,90,000	263	16	184	32	30	- 3
71	13	19	89,135,158	263	7	184	15	15	0
72	9	6	90,236,333	264	2	184	16	15	0
71	11	5	91,228,000	264	3	182	21	20	- 2
65	11	10	91,215,500		1				
Salmon Purse Seine			75	49		49	3	2	0
0	0	0	76,---	63	0	62	7	6	- 1
0	1	2	77,***	72	2	72	12	11	0
0	2	4	78,10,625	74	2	74	10	9	0
0	2	5	79,40,000	75	4	74	9	8	0
1	2	1	80,***	75	1	73	12	12	- 1
5	4	7	81,82,786	75	3	73	10	9	0

10	3	7	83,714	5				
16	6	5	82 84,267	77 5	76	11	11	0
23	7	8	83 90,000	78 7	78	15	14	+ 1
24	9	1	84 ***	78 1	77	10	8	- 1
26	1	4	85 58,375	80 3	79	5	5	0
27	4	5	86 60,000	82 4	81	9	9	0
27	5	11	87 60,455	82 6	81	16	15	0
31	5	9	88 66,089	82 6	81	14	14	0
33	7	3	89 ***	82 2	81	10	9	0
32	2	4	90 177,500	82 0	81	6	5	0
29	1	2	91 ***	82 0	80	3	3	0
0	Kodiak 4	7	75 4,571	334 5	242	22	22	+ 4
0	6	13	76 9,736	358 5	262	42	40	- 1
0	13	19	77 17,611	365 7	270	72	62	+ 3
0	11	9	78 47,611	371 9	273	60	52	+ 3
3	5	12	79 66,045	374 6	272	57	41	- 2
24	5	24	80 70,688	375 15	275	35	34	+ 4
50	16	20	81 68,625	375 15	280	37	36	+ 7
66	14	29	82 75,511	376 28	284	43	42	+ 4
81	19	28	83 69,903	377 20	289	47	47	+ 4
91	12	17	84 61,265	378 7	286	29	29	- 2
99	20	23	85 46,337	379 9	288	43	39	0
102	25	27	86 36,151	380 12	293	52	46	+ 5
104	23	38	87 44,128	381 13	293	61	53	+ 2
113	21	34	88 66,491	382 15	288	55	50	- 5
113	15	22	89 132,795	382 8	287	38	37	0
114	8	17	90 146,588	382 4	283	25	25	0
110	7	15	91 119,170	383 4	282	22	22	- 1
0	Chignik 1	1	75 ***	85 1	64	4	4	0
0	2	0	76 ---	90 0	72	4	4	0
0	2	1	77 ***	90 1	73	6	5	+ 1
0	1	0	78 ---	90 0	76	3	3	0
0	0	0	79 ---	90 0	76	1	1	+ 1
2	1	0	80 ---	90 0	76	1	1	0
5	2	3	81 ***	90 3	74	5	4	- 1
5	5	2	82 ***	90 1	74	7	6	0
9	2	2	83 ***	90 1	74	4	4	0
13	5	4	84 322,500	90 3	76	9	8	+ 1
15	3	3	85 ***	90 2	78	6	6	+ 1
16	3	2	86 ***	90 1	78	5	5	+ 1

17	0	0	87	---	90	77	0	0	0
19	3	1	88	***	90	75	4	3	- 1
20	2	2	89	***	90	74	4	4	- 1
23	2	2	90	***	90	74	4	4	+ 1
21	2	2	91	***	90	72	4	4	0

Salmon Purse Seine
Alaska Peninsula

0	0	0	75	---	108	95	3	3	0
0	3	0	76	---	112	99	6	5	0
0	4	1	77	***	113	100	15	13	0
0	2	3	78	***	115	104	12	12	+ 1
0	3	5	79	***	117	102	13	12	- 3
3	14	2	80	***	117	97	19	17	- 3
7	7	2	81	***	117	98	9	9	+ 1
6	3	2	82	***	118	99	5	5	0
7	16	6	83	***	118	98	22	19	- 2
11	5	3	84	***	118	98	8	8	+ 1
15	3	0	85	---	119	100	3	3	0
17	6	4	86	---	119	99	10	10	- 1
18	6	4	87	---	119	96	10	10	- 2
18	9	4	88	---	119	93	13	13	- 2
19	3	2	89	***	119	92	5	5	- 1
25	3	2	90	***	119	92	5	5	- 1
26	5	0	91	---	119	92	5	3	0

Salmon Beach Seine
Kodiak

0	0	0	75	---	21	20	0	0	0
0	0	0	76	---	23	22	2	2	0
0	1	3	77	***	30	27	10	8	- 1
0	4	3	78	***	33	30	16	14	0
0	1	4	79	***	33	30	7	7	- 1
0	1	4	80	---	34	31	9	9	- 1
4	3	7	81	---	34	32	10	8	0
3	2	2	82	***	34	32	4	4	0
6	2	3	83	***	35	32	5	5	0
7	1	2	84	***	35	32	3	3	0
7	2	4	85	---	34	30	6	5	- 1
6	1	2	86	***	34	30	3	3	0
7	2	5	87	---	33	31	7	7	0
5	3	5	88	---	33	30	8	8	- 1
4	3	6	89	---	33	29	9	9	- 2
3	0	3	90	***	33	29	3	3	+ 1

4	1	2	91 ***	33	0	30	3	2	0
	Salmon Drift Gill Net								
	Southeastern		75	431		293	94	89	+ 6
0	9	28	9,211	21					
			76	449		313	59	48	+ 4
0	6	12	10,213	7					
			77	460		323	71	68	+ 6
0	11	25	16,262	17					
			78	463		329	81	67	+ 5
0	11	26	34,604	18					
			79	464		324	72	60	- 6
10	8	19	41,763	14					
			80	464		322	59	56	- 1
35	22	35	41,714	21					
			81	464		319	66	61	- 1
56	25	40	43,920	30					
			82	466		315	74	66	-10
68	33	41	38,495	30					
			83	467		322	50	45	0
83	13	37	34,508	23					
			84	467		316	64	60	- 9
85	21	43	32,898	14					
			85	468		320	61	59	+ 1
92	18	43	35,623	21					
			86	468		326	71	65	+ 1
108	26	45	44,849	22					
			87	468		327	52	48	- 2
108	18	34	55,632	16					
			88	468		316	50	41	-10
109	20	30	75,958	12					
			89	468		309	25	23	- 4
114	9	16	125,625	9					
			90	468		307	45	43	- 3
116	17	28	106,500	7					
			91	468		317	46	44	+ 8
121	13	33	82,773	10					
	Salmon Drift Gill Net								
	Prince Wm Sound		75	494		366	36	33	+ 1
0	4	9	3,089	6					
			76	514		390	70	64	+ 3
0	10	18	4,500	15					
			77	524		393	83	71	- 2
0	8	30	13,750	20					
			78	528		384	84	69	- 4
0	8	25	27,742	19					
			79	531		384	68	62	+ 1
4	11	22	35,632	13					
			80	531		392	54	51	+ 4
16	19	26	27,288	17					
			81	531		398	74	73	+ 8
56	20	54	32,204	30					
			82	531		384	78	72	-10
74	27	51	46,461	32					
			83	533		396	54	53	+ 1
105	17	37	61,450	24					
			84	534		393	57	52	- 6
129	22	35	53,157	18					
			85	534		386	70	66	- 5
138	17	53	55,679	25					
			86	536		384	57	53	- 2
145	11	46	62,006	23					
			87	536		386	57	55	+ 5
154	12	45	62,147	21					
			88	536		386	68	60	+11
168	18	50	75,802	17					
			89	537		392	29	28	0
158	14	15	137,833	8					
			90	537		391	41	39	0
155	14	27	160,523	11					
			91	537		395	41	39	+ 2
158	17	24	122,250	6					
	Cook Inlet		75	453		291	30	30	+ 3
0	3	10	3,911	3					
			76	514		342	76	73	+ 2
0	9	29	5,552	12					
			77	539		359	87	79	- 4
0	13	28	9,643	14					
			78	549		365	87	82	0

0	20	21	36,825	15				
6	13	24	79,636	554	371	86	75	+ 3
42	36	34	80,636	554	373	76	72	+ 2
82	27	48	81,290	554	375	76	73	- 1
97	27	37	82,213	554	382	64	61	+ 4
123	21	51	83,866	555	390	72	69	+ 4
139	13	35	84,720	556	399	48	48	+ 2
156	23	39	85,306	557	394	62	58	- 1
165	21	50	86,759	559	394	71	68	0
168	18	26	87,902	560	399	44	42	+ 4
177	7	28	88,542	561	403	35	33	+ 3
169	18	35	89,138	561	398	53	53	- 2
169	30	24	90,400	561	394	54	51	- 1
166	15	28	91,063	562	396	43	41	+ 3
			177,214	7				
Alaska Peninsula			75	152	109	4	4	0
0	1	0	---	0	110	17	17	0
0	1	4	76,333	153	1	110	17	0
0	7	7	77,286	154	5	108	31	- 1
0	6	5	78,000	156	3	109	27	- 5
0	7	4	79,625	156	3	107	32	- 1
12	16	8	80,875	156	5	103	28	- 4
15	13	10	81,500	156	7	101	23	- 3
19	12	13	82,000	156	8	98	25	- 2
18	17	9	83,778	156	5	96	26	- 1
23	8	7	84,429	156	5	96	15	- 1
32	9	15	85,153	156	11	92	24	- 3
38	9	13	86,000	157	7	95	22	+ 2
40	2	7	87,429	158	4	94	9	0
39	5	2	88,***	158	1	91	7	- 3
39	8	5	89,000	158	2	88	13	- 2
45	4	11	90,136	158	4	88	15	+ 1
48	1	6	91,000	159	3	90	7	+ 1
Salmon Drift Gill Net			75	1,416	767	81	80	+ 9
0	16	19	76,166	9	918	126	124	0
0	34	30	77,536	10	947	213	196	-11
0	47	63	78,180	40	973	235	211	-12
0	49	78	79,638	52	971	225	197	-14
8	44	51	80,588	37	967	169	162	0
87	68	79	81,032	59	964	168	161	- 3
142	77	89	82,107	59	960	183	179	-13
191	70	113	83,344	77	989	160	155	+15
			83,727					

284	63	97	99,072	78				
			84 1,729		969	153	146	-17
356	65	88	117,036	52				
			85 1,738		976	138	130	0
391	49	89	114,647	41				
			86 1,743		978	155	144	+ 1
411	57	97	121,120	54				
			87 1,746		967	129	125	-10
418	51	78	130,265	40				
			88 1,749		954	126	121	-12
432	49	77	167,461	32				
			89 1,776		959	116	112	+ 2
438	63	53	233,400	25				
			90 1,785		961	107	103	- 3
435	47	60	212,855	20				
			91 1,793		945	102	97	-18
408	41	61	201,173	7				

Salmon Set Net								
Yakutat								
			75 ***	147	131	9	8	+ 2
0	1	3		2				
			76 6,000	156	140	15	15	+ 1
0	8	4		2				
			77 7,000	158	141	16	15	- 1
0	2	5		1				
			78 10,480	161	142	22	20	- 1
0	4	5		2				
			79 ***	164	143	13	12	- 3
0	3	3		1				
			80 ***	164	146	16	15	0
2	9	2		1				
			81 26,682	164	146	23	20	0
6	11	11		6				
			82 32,792	164	144	15	14	- 1
12	7	8		5				
			83 27,250	164	144	18	17	- 1
13	14	4		2				
			84 23,750	164	145	13	13	+ 1
11	9	4		2				
			85 25,862	164	145	18	17	+ 1
15	9	9		7				
			86 26,857	164	142	17	16	0
17	10	7		2				
			87 27,200	164	139	17	16	- 2
14	12	5		0				
			88 28,279	164	135	27	27	- 3
17	10	17		7				
			89 33,200	165	138	18	18	- 1
17	13	5		2				
			90 36,458	165	139	22	22	+ 1
19	10	12		2				
			91 44,125	167	142	20	19	+ 2
20	12	8		2				

Prince Wm Sound								
			75 ---	26	21	2	2	+ 2
0	0	0		0				
			76 ---	28	23	0	0	0
0	0	0		0				
			77 ---	28	21	2	2	- 1
0	0	0		0				
			78 ***	28	23	5	4	+ 1
0	0	2		1				
			79 ***	28	23	2	2	0
0	0	1		1				
			80 ---	28	24	3	3	+ 1
0	3	0		0				
			81 ***	29	24	2	2	0
1	0	2		1				
			82 19,400	30	27	5	5	+ 2
2	0	5		5				
			83 24,167	30	28	9	8	+ 1
2	3	6		5				
			84 31,250	30	28	6	6	0
3	2	4		1				
			85 32,375	30	28	5	5	0
6	1	4		2				
			86 ***	30	28	1	1	0
7	0	1		1				
			87	30	27	6	5	- 1

7	2	4	29,625	0					
6	4	2	88 ***	30	1	27	6	6	+ 1
5	3	1	89 ***	30	0	27	4	4	0
4	0	1	90 ***	30	0	28	1	1	+ 1
5	1	1	91 ***	30	0	27	2	2	- 1
0	Cook Inlet	9	75	652	6	608	47	46	0
0	7	9	2,250	712	6	670	77	74	+ 9
0	14	14	1,778	77	7	690	93	90	+ 3
0	12	29	4,821	78	15	698	129	120	+ 1
0	23	46	9,824	79	15	702	99	92	- 6
0	24	20	23,412	80	9	697	89	87	+ 2
5	42	42	15,333	81	25	685	110	103	- 7
18	50	59	15,322	82	31	693	90	86	- 2
28	48	42	17,190	83	21	683	103	101	-11
34	52	51	18,340	84	19	670	89	86	-11
41	44	45	17,078	85	15	670	92	90	- 7
44	41	51	16,312	86	10	665	102	97	- 2
46	42	60	18,310	87	10	660	101	98	- 3
48	33	68	26,727	88	14	660	79	77	- 1
50	33	46	41,151	89	4	645	91	87	- 9
54	42	49	57,694	90	11	644	83	80	- 3
68	41	42	91,171	91	8	643	63	63	- 2
71	43	20	65,875		5				
0	Kodiak	7	75	139		103	22	22	+ 8
0	7	7	5,380	176	5	133	37	34	- 2
0	4	10	3,900	77	2	137	28	26	+ 1
0	5	7	6,600	78	4	139	28	25	+ 2
0	9	6	19,800	79	4	138	32	27	0
1	4	10	33,667	80	6	138	34	33	+ 1
6	16	9	39,861	81	5	141	25	25	+ 1
18	15	9	41,278	82	7	138	28	28	- 3
21	16	12	39,817	83	7	139	19	18	+ 1
23	13	6	57,033	84	5	141	24	23	+ 1
30	13	11	57,200	85	5	147	22	22	+ 3
34	15	7	56,357	86	3	150	38	36	+ 3
32	19	19	61,792	87	8	152	25	25	+ 3
29	17	8	60,122	88	3	150	15	14	+ 1
31	12	3	***	89	1	144	15	14	- 1
29	9	6	69,542	90	2	143	16	16	+ 1
27	10	6	85,000	91	2	140	21	19	- 1
27	18	3	***		2				
0	Alaska Peninsula	75	82	0	76	4	3	0	
0	2	0	---	0					

			76 ***	105		98	5	5	0
0	2	3	77	106	1	95	15	14	- 1
0	1	4	5,150	108	1	99	14	13	0
0	3	2	78 ***	108	0	99	12	11	0
0	2	0	79 ---	109	0	98	17	14	- 2
1	7	5	80	109	3	98	21	21	0
3	12	9	81 54,278	109	7	96	19	19	- 1
5	8	11	82 54,636	109	6	96	24	24	0
5	13	11	83 50,836	109	3	95	18	18	- 1
7	9	9	84 45,332	110	2	94	14	14	- 2
11	7	7	85 47,500	113	2	92	11	10	- 4
13	4	7	86 56,357	113	4	90	23	22	- 2
16	14	9	87 55,722	113	5	94	13	12	+ 2
20	9	3	88 ***	113	2	94	9	9	0
19	8	1	89 ***	113	0	93	6	6	- 1
21	3	3	90 ***	113	0	91	8	8	- 1
24	5	3	91 ***	113	1				
Salmon Set Net									
Bristol Bay									
0	9	0	75 ---	716	0	592	22	22	+ 2
0	23	11	76 2,755	759	6	621	68	65	- 3
0	21	19	77 2,695	824	4	669	76	74	- 6
0	39	27	78 8,507	891	9	733	133	125	+ 4
1	32	38	79 18,184	910	16	745	133	125	- 6
11	49	49	80 30,689	913	20	728	113	111	-11
30	55	56	81 32,370	914	27	714	112	106	-17
45	48	70	82 37,357	916	42	705	118	115	-12
63	48	49	83 41,680	929	27	711	97	94	- 4
63	43	47	84 40,766	931	22	712	90	87	- 8
75	50	48	85 35,974	931	22	714	98	96	0
86	36	61	86 33,300	940	18	719	97	92	+ 5
89	44	64	87 34,453	942	20	722	108	101	+ 1
94	50	47	88 46,508	941	16	716	97	93	- 2
86	55	39	89 63,731	1,007	11	771	95	92	- 6
94	52	33	90 60,545	1,012	8	772	85	81	+ 2
102	43	40	91 58,425	1,013	7	764	83	78	- 1
Salmon Power Troll									
Southeastern									
0	11	52	75 5,303	849	27	619	137	130	+23
0	14	29	76 5,065	915	18	677	78	76	+ 2
0	11	64	77 8,831	929	25	698	159	147	+15
0	13	78	78 15,457	934	39	717	143	127	+13
			79	939		718	126	108	- 3

26	13	61	26,680	39				
76	14	72	80 33,308	939	41	703	97	94 -11
127	23	68	81 29,012	939	47	712	95	92 + 7
153	15	71	82 21,630	940	44	717	86	83 - 3
167	22	73	83 20,864	939	40	722	95	94 0
188	12	71	84 19,456	940	34	720	83	81 -10
211	10	73	85 21,509	942	40	729	83	82 + 1
229	16	72	86 24,776	942	38	729	88	85 + 2
239	10	65	87 26,431	942	28	748	75	72 +15
269	15	68	88 29,782	942	37	755	83	80 +13
266	7	56	89 32,446	942	23	756	63	61 +13
266	14	51	90 33,142	942	17	753	65	61 0
252	15	56	91 36,299	944	6	746	71	69 - 7
Salmon Hand Troll								
Southeastern								
0	24	32	82 4,036	696	4	659	56	53 - 2
8	16	84	83 4,964	2,121	16	1,971	100	98 - 5
12	7	68	84 4,732	2,120	11	1,952	75	73 -11
17	21	89	85 5,109	1,984	7	1,835	110	105 - 9
18	16	108	86 5,252	1,957	5	1,804	124	120 - 4
16	16	93	87 5,551	1,919	8	1,757	109	106 - 7
22	25	97	88 6,446	1,856	7	1,680	122	121 -10
19	13	66	89 7,323	1,807	7	1,631	79	76 0
20	18	98	90 8,322	1,772	10	1,597	116	108 - 5
17	25	81	91 8,319	1,737	5	1,575	106	101 + 3
Salmon Fishwheel								
Upper Yukon								
0	0	0	76 ---	80	0	80	2	2 0
0	0	0	77 ---	107	0	107	2	2 0
0	0	0	78 ---	108	0	107	11	10 0
0	1	3	79 ***	114	1	114	6	6 0
0	4	5	80 9,320	114	2	114	9	9 0
0	2	14	81 10,893	123	3	123	16	16 0
0	4	8	82 10,500	130	2	130	12	12 0
2	12	7	83 11,643	130	4	129	19	19 - 1
4	4	6	84 12,333	130	0	129	10	10 0
4	6	3	85 ***	132	0	132	9	8 + 1
4	6	2	86 ***	133	0	132	8	8 0
2	4	9	87 9,089	133	0	133	13	13 + 1
2	7	5	88 8,700	133	0	133	12	11 0
2	4	3	89 ***	133	0	133	7	7 0
2	5	6	90 11,667	133	1	132	11	11 0

2	5	7	91 10,843	133	0	132	12	12	0
	AYK Salmon Gill Net Upper Yukon		76	35		35	1	1	0
0	0	0	77 ---	44	0	44	1	1	0
0	0	1	78 ***	47	0	46	2	2	0
0	0	0	79 ---	49	0	48	5	5	0
0	1	2	80 ***	48	1	47	6	5	0
0	6	0	81 ---	64	0	64	8	8	0
0	5	3	82 ***	72	0	71	9	8	0
0	3	6	83 8,367	72	0	70	10	9	- 1
0	5	5	84 10,600	70	0	69	4	4	0
0	3	1	85 ***	70	1	69	2	2	0
0	0	2	86 ***	70	0	69	6	6	0
0	3	3	87 ***	71	0	70	7	7	0
0	5	2	88 ***	70	1	68	5	5	0
0	2	3	89 ***	69	0	67	4	4	0
1	0	4	90 9,875	70	1	68	4	4	0
2	0	4	91 11,250	71	1	69	3	3	0
2	2	1	92 ***		0				
	Kuskokwim		76	688		688	8	8	0
0	3	0	77 ---	761	0	761	18	18	0
0	11	0	78 ---	766	0	765	50	47	0
0	26	6	79 6,100	781	2	780	39	37	+ 1
1	17	10	80 6,420	782	4	782	59	56	0
3	33	16	81 6,875	785	5	784	49	47	- 1
4	34	14	82 8,339	831	3	829	44	44	- 1
4	36	8	83 9,563	831	3	828	64	63	0
4	55	9	84 10,222	831	2	829	52	52	0
9	37	15	85 9,893	831	7	829	45	43	0
13	39	6	86 10,083	829	1	828	43	42	+ 1
16	28	15	87 10,133	829	4	828	42	40	0
15	34	8	88 9,563	828	0	826	45	43	- 1
18	27	18	89 9,669	828	4	826	55	54	0
20	35	20	90 12,050	829	0	828	57	56	+ 1
22	39	18	91 12,056	830	2	829	39	39	0
19	27	12	92 13,417		1				
	AYK Salmon Gill Net Kotzebue		76	118		118	4	4	0
0	2	0	77 ---	175	0	175	2	2	0
0	0	0	78 ---	177	0	177	17	17	0
0	5	1	79 ***	180	1	180	18	18	0
0	3	8	80 5,200	194	2	193	12	11	0

0	8	3	***	1					
0	10	8	81 7,813	211	0	208	18	18	- 1
2	14	11	82 9,591	219	3	216	25	23	- 1
5	5	12	83 13,083	219	4	216	17	17	- 1
5	18	2	84 ***	219	1	216	20	19	0
11	10	3	85 ***	219	1	215	13	13	0
15	11	6	86 10,819	219	1	214	17	17	- 1
16	11	4	87 9,500	219	1	211	15	15	0
14	21	11	88 7,505	219	0	213	33	30	+ 2
10	11	3	89 ***	219	0	213	14	14	0
8	9	8	90 8,250	218	2	211	17	17	0
6	11	1	91 ***	217	1	211	12	12	+ 1
0	Lower Yukon	0	76	678	0	677	6	5	0
0	4	2	77 ---	692	0	691	9	9	0
0	3	5	78 ***	695	3	691	26	25	- 1
0	14	8	79 6,700	702	1	698	28	27	0
1	12	9	80 5,834	703	2	700	45	44	0
1	29	11	81 9,289	706	3	703	36	35	0
2	24	12	82 9,545	707	5	703	40	38	0
4	28	26	83 18,250	703	5	698	74	71	- 1
10	48	17	84 22,346	704	8	699	41	41	0
11	24	12	85 28,441	704	1	700	38	35	0
16	26	11	86 22,917	703	3	696	36	36	- 1
16	25	12	87 22,455	703	2	698	50	49	+ 2
16	Lower Yukon	13	88 20,688	704	3	697	37	35	0
19	24	11	89 20,669	704	5	696	43	43	0
27	32	9	90 25,527	704	3	694	28	28	- 2
34	19	12	91 24,778	704	0	696	43	41	+ 2
35	31	0	92 23,904	704	0	696	43	41	+ 2
0	Norton Sound	0	76	169	0	169	0	0	0
0	0	0	77 ---	176	0	174	2	2	- 1
0	0	4	78 ---	176	3	176	8	8	0
1	1	5	79 4,350	177	1	175	11	11	- 2
2	2	11	80 6,300	177	3	175	18	18	0
3	6	10	81 7,909	195	4	194	17	16	0
4	7	10	82 9,450	200	2	199	20	19	0
8	10	7	83 10,100	201	2	199	22	20	- 1
13	15	5	84 11,429	201	3	199	17	16	0
13	12	6	85 13,150	202	2	200	13	13	0
13	7	6	86 12,167	201	3	198	22	20	- 1
14	16	6	87 10,167	201	3	199	15	15	0

14	11	4	9,750	1				
11	8	3	88 ***	201	0	199	11	10
11	7	7	89	201	1	198	14	13
9	5	2	90 9,214	200	0	197	7	7
8	11	5	91 ***	200	0	198	16	16
			8,100		0			
Totals								
0	83	167	75 6,762	102	4,808	590	568	+58
0	152	199	76 5,694	99	7,115	776	729	+ 6
0	181	341	77 5,455	178	7,639	1,108	1,019	-10
0	260	385	78 9,772	220	7,801	1,314	1,185	- 9
70	216	342	79 10,013	195	7,867	1,209	1,071	-45
375	441	480	80 20,541	282	7,855	1,060	1,017	-16
712	475	602	81 10,104	361	7,903	1,092	1,047	-16
923	490	654	82 44,288	398	8,649	1,144	1,100	-56
1,196	536	675	83 11,030		10,021	1,211	1,169	- 9
1,424	444	609	84 48,115		9,998	1,053	1,016	-72
1,610	421	690	85 12,488		9,981	1,111	1,060	-23
1,741	440	750	86 48,573		9,958	1,191	1,129	+ 7
1,791	422	698	87 12,531		9,919	1,120	1,069	+ 5
1,913	428	695	88 49,800		9,907	1,125	1,066	-22
1,912	406	506	89 12,507		9,912	914	888	- 4
1,955	401	549	90 46,879		10,189	950	912	-17
1,929	399	530	91 12,509		10,209	929	893	- 7
					87			

Notes for Table:

Total Permanent Permits -- The number of permanent permits may decrease from one year to the next because of revocations.

Permanent Permits Held by Alaskans -- Residency figures were calculated using the permit holder address from 1975-1978. After 1978 permit holders were required to declare their residency status on the renewal form and residency figures were taken from those declarations. These numbers may differ somewhat from those reported in "Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits" published by CFEC. In that report all persons who declared Alaska residency status but had out-of-state addresses are counted as non-residents. Numbers shown in this annual report may differ from those in previous annual reports due to residency status changes resulting from residency investigations. Permits held by the Dept. of Commerce or C.F.A.B. are counted as resident permits.

Total Number of Transfers -- Transfers reported here include foreclosures by the Dept. of Commerce or by C.F.A.B.

Change in Residency Due to Transfers -- These figures may differ from figures reported in previous annual reports due to residency status changes resulting from residency investigations.

Permits with State Liens -- These are permits which have been financed by the Dept. of Commerce or by CFAB or which have been used as collateral against a commercial fishing loan from one of these agencies. These numbers differ from those shown in past

CFEC Annual Reports due to permit file corrections and changes in the accounting of
forclosed permits.

Transfer Survey Information -- These surveys were voluntary until January 1, 1980.
Many transfers occurred without completion
of a survey form during the years 1975-1979. A few surveys are missing for 1980
and 1981.

In addition, there have been five administratively ordered transfers in the 1986-
1991 period for which no surveys exist.

Non-monetary/Monetary Transfers -- For the years 1980-1991 any transfer survey with a
sale price greater than \$500 was counted
as a monetary transfer. All other transfers were counted as non-monetary
transfers. For the years 1975-1979 the number of
monetary transfers reported here is the number of transfer surveys which were used
to compute the average price of permits for
use by the Dept. of Commerce and CFAB in their loan programs. These surveys were
selected using exclusionary criteria
different from the \$500 minimum.

Average Price Paid for Permits -- These figures are the average of the sale price
taken from all surveys counted as monetary
transfers. For the years 1980-1991 they may vary slightly from the average prices
used by the Dept. of Commerce and CFAB which
are based on exclusionary criteria different from the \$500 minimum used in this
report. A "---" indicates that there were
no monetary transfers for this fishery. A "****" indicates confidential information
because fewer than four surveys exist.

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Appendix Table 2

TABLE 2. LOANS APPROVED BY THE DEPT. OF COMMERCE AND ECONOMIC DEVELOPMENT FOR THE PURCHASE OF ENTRY PERMITS

BY ELECTION DISTRICT, 1991 *

House Election District	Permit Only		Permit Vessel/Gear		Total	
	No.	Amount	No.	Amount	No.	Amount
01 Ketchikan-Wrangell-Petersburg	10	\$875,820	0	\$0	10	\$875,820
02 Inside Passage	6	\$393,090	0	\$0	6	\$393,090
03 Baranof-Chichagof	3	\$153,480	0	\$0	3	\$153,480
04 Juneau	6	\$577,963	0	\$0	6	\$577,963
05 Kenai-Cook Inlet	22	\$2,850,745	0	\$0	22	\$2,850,745
06 Prince William Sound	9	\$1,168,716	0	\$0	9	\$1,168,716
07-15 Anchorage	10	\$890,673	0	\$0	10	\$890,673
16 Matanuska-Susitna	2	\$248,000	0	\$0	2	\$248,000
17 Interior Highways	2	\$312,160	0	\$0	2	\$312,160
26 Bristol Bay-Aleut Isles	5	\$540,442	0	\$0	5	\$540,442
27 Kodiak-E Alaska Pen	2	\$284,000	0	\$0	2	\$284,000
===	===	=====	===	=====	===	=====
	77	\$8,295,089	0	\$0	77	\$8,295,089

BY CALENDAR YEAR 1972-1991

Calendar Year	Permit Only		Permit Vessel/Gear		Total	
	No.	Amount	No.	Amount	No.	Amount
1991	77	\$8,295,089	0	\$0	77	\$8,295,089
1990	99	\$11,471,444	7	\$502,823	106	\$11,974,267
1989	106	\$10,836,615	2	\$171,463	108	\$11,008,078
1988	133	\$9,454,150	11	\$959,421	144	\$10,413,571
1987	123	\$7,680,632	6	\$489,710	129	\$8,170,342
1986	161	\$10,153,268	10	\$702,337	171	\$10,855,605
1985	159	\$9,682,703	22	\$1,509,168	181	\$11,191,871
1984	155	\$9,366,311	7	\$471,050	162	\$9,837,361
1983	147	\$7,697,720	7	\$411,465	154	\$8,109,185
1982	194	\$9,300,897	2	\$134,473	196	\$9,435,370
1981	223	\$10,222,651	13	\$946,591	236	\$11,169,242
1980	93	\$4,145,533	26	\$1,939,951	119	\$6,085,484
1972-79	82	\$3,083,775	63	\$4,706,533	145	\$7,790,308
===	===	=====	===	=====	===	=====
Total, 1972-1991	1,752	\$111,390,788	176	\$12,944,985	1,928	\$124,335,773

* Based on the 27 election districts created by the 1980 reapportionment.

TABLE 2 (cont.) LOANS MADE BY THE DEPT. OF COMMERCE AND ECONOMIC DEVELOPMENT FOR THE PURCHASE OF ENTRY PERMITS

BY ELECTION DISTRICT FROM 7-1-82 TO 12-31-91 *

House Election District	Permit Only		Permit Vessel/Gear		Total	
	No.	Amount	No.	Amount	No.	Amount

01 Ketch.-Wrang.-Ptrsbrg	149	\$9,380,415	8	\$522,738	157	\$9,903,153
02 Inside Passage	113	\$4,715,354	17	\$1,197,973	130	\$5,913,327
03 Baranof-Chichagof	84	\$2,270,083	8	\$355,243	92	\$2,625,326
04 Juneau	74	\$4,354,335	5	\$254,080	79	\$4,608,415
05 Kenai-Cook Inlet	281	\$26,131,966	14	\$1,124,984	295	\$27,256,950
06 Prince William Sound	111	\$9,202,486	10	\$802,699	121	\$10,005,185
07-15 Anchorage	161	\$13,010,249	2	\$200,000	163	\$13,210,249
16 Matanuska-Susitna	35	\$3,010,445	1	\$82,000	36	\$3,092,445
17 Interior Highways	12	\$1,150,842	0	\$0	12	\$1,150,842
18-21 Fairbanks	20	\$1,136,177	1	\$92,893	21	\$1,229,070
22 North Slope-Kotzebue	5	\$163,688	0	\$0	5	\$163,688
23 Norton Sound	5	\$168,829	0	\$0	5	\$168,829
24 Interior Rivers	5	\$178,730	0	\$0	5	\$178,730
25 Lower Kuskokwim	14	\$789,142	1	\$100,000	15	\$889,142
26 Bristol Bay-Aleut Isles	61	\$5,231,947	2	\$183,000	63	\$5,414,947
27 Kodiak-E Alaska Pen	100	\$7,132,074	5	\$436,300	105	\$7,568,374
	=====	=====	=====	=====	=====	=====
	1,230	\$88,026,762	74	\$5,351,910	1,304	\$93,378,672

BY ELECTION DISTRICT FROM 1-1-72 TO 6-30-82 **

House Election District	--- Permit Only ---		Permit --Vessel/Gear--		-----Total-----	
	No.	Amount	No.	Amount	No.	Amount
01 Ketch.-Pr. of Wales	35	\$1,095,228	8	\$456,350	43	\$1,551,578
02 Wrangell-Petersburg	40	\$1,455,646	12	\$1,081,983	52	\$2,537,629
03 Sitka	40	\$1,259,203	4	\$155,030	44	\$1,414,233
04 Juneau-Lynn Canal	59	\$2,219,870	23	\$1,414,937	82	\$3,634,807
05 Cordova-Valdez-Seward	34	\$1,474,816	9	\$628,750	43	\$2,103,566
06 Palmer	15	\$700,921	1	\$160,000	16	\$860,921
07-12 Anchorage	93	\$4,492,966	8	\$606,200	101	\$5,099,166
13 Kenai-Cook Inlet	96	\$5,175,152	19	\$1,400,725	115	\$6,575,877
14 Kodiak	51	\$2,712,120	6	\$609,900	57	\$3,322,020
15 Aleutian Chain	8	\$589,500	4	\$363,000	12	\$952,500
16 Bristol Bay	28	\$1,373,829	7	\$661,200	35	\$2,035,029
17-19 Beth./W.Hamp./Yuk-Tan.	10	\$454,177	0	\$0	10	\$454,177
20 Fairbanks	9	\$334,100	1	\$55,000	10	\$389,100
21 Barrow-Kobuk	1	\$5,625	0	\$0	1	\$5,625
22 Nome	3	\$20,873	0	\$0	3	\$20,873
	===	=====	===	=====	===	=====
	522	\$23,364,026	102	\$7,593,075	624	\$30,957,101

* Based on the 27 election districts created by the 1980 reapportionment effective 7-1-82.
** Based on the 22 election districts created by the 1970 reapportionment.

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