M E M O R A N D U M

TO: Council, SSC and AP

FROM: Jim H. Branson
Executive Director

DATE: March 14, 1986

SUBJECT: Joint Venture Report

ACTION REQUIRED

Information only.

BACKGROUND

(a) Status Report on Fishery

An operations summary is under item B-5(a). Ten joint ventures fished Shelikof from February 15 to March 3. Total pollock catch was 51,780 mt. Fishing in Shelikof was scattered and for the most part lackluster. Bill Robinson will have a full report on the season. Jim Balsiger will report on the hydroacoustic survey.

After Shelikof most operations moved out to Unimak or further into the Bering Sea. Fishing in Unimak has been excellent and because of this, several operations did not even go to Shelikof. The Bering Sea/Aleutians pollock catch stands around 50,000 mt.

One of the problems that's cropped up in the joint venture fishery is a shortage of U.S. trawlers. The following are rough estimates of additional catcher boats needed by country:

Country	Additional Catchers
South Korea	13
China	3-5
Japan	8-12
Poland	2-4

The most critical shortages are with smaller company operations. One joint venture operator pointed out, however, that the shortage may be more apparent than real. With more competitive prices from some countries and proper coordination between several small companies, U.S. trawlers can be scheduled to efficiently service several different processors and meet their production needs. Timing seems to be the critical factor in making operations run smoothly. We probably will have public testimony on whether the joint venture fleet has enough vessels to take the JVP.

(b) NMFS Report on Bycatch Guidelines

Bill Robinson will report on NMFS progress in setting guideline bycatch levels for fully DAP species for each joint venture company and some of the pitfalls they've encountered in doing so. These problems will need to be worked out if the Council desires to pursue individual company allocations next year.

MAR86/AT

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

STATUS REPORT ON JOINT VENTURE OPERATIONS OFF ALASKA FOR 1986

The total joint venture catch off Alaska through March 1 as reported by NMFS was 110,792 mt, which included the following species harvests:

Species	Gulf of Alaska	Bering Sea/Aleutians
Pollock	51,780 mt	49,623 mt
Pacific cod	418	7,323
Atka mackerel	---	---
Flatfish	68	828
Yellowfin sole	---	4
Arrowtooth flounder	---	17
Greenland turbot	---	---
Others	180	551
TOTAL	52,446 mt	58,346 mt

Individual operations in the Bering Sea and Gulf of Alaska are summarized below.

1. Whitney-Fidalgo Seafoods/Ohtori Suisan (Japan)
(1986 request: 48,000 mt)

Shelikof operations February 15-March 3 used 3 catchers and 1 processor to catch 2919 mt pollock. Operations shifted to the Bering Sea March 6-8 and caught 1094 mt pollock.

2. Westward Trawlers/Taiyo (Japan)
(1986 request: 181,130 mt)

Shelikof operations February 15-March 1 used 9 catchers and 4 processors to catch 13,881 mt pollock. Operations then shifted to the Bering Sea and caught 9,000 mt pollock March 4-11 using 11 catchers and 5-6 processors.

3. Alyeska Ocean/Hoko (Japan)
(1986 request: 45,560 mt)

Shelikof operations February 15-March 1 used 3 catchers and 1 processor to catch 4,327 mt pollock, 34 mt Pacific cod, and 1 mt other species. Operations then shifted to Unimak.

4. Peter Pan Seafoods/Nichiro (Japan)
(1986 request: 31,570 mt)

Shelikof operations February 16-March 3 used 2 catchers and 1 processor to catch 2900 mt pollock. Operations shifted to the Bering Sea on March 6.

5. Northern Deep Sea Fisheries/Nippon Suisan (Japan)
(1986 request: 238,710 mt)

Shelikof operations February 15-March 2 used 10 catchers and 5 processors to catch 17,000 mt. Operations shifted to Unimak on March 6.

6. Alaska Contact/Anyo/Kanai (Japan)
(1986 request: 19,150 mt)

Anyo operations in and around Shelikof February 15-March 7 caught 600 mt pollock. They have ceased for the time being but are not done for the year.

Kanai operations will start in the Gulf around March 15 using 3 catchers.

7. Alaska Contact/Nansei (Japan)
(1986 request: 10,000 mt)

Operations used 2 catchers and 2 processors east of Kodiak starting February 21 to catch 200 mt pollock and then moved to Unimak.

8. Profish/Matsubun (Japan)
(1986 request: 2,020 mt)

Bering Sea operations February 15-March 8 caught 850 mt pollock.

9. Westward Trawlers/Hokkaido (Japan)
(1986 request: 12,270 mt)

Operations will start June 15.

10. North Pacific Cooperative Fisheries/Japan Longliners (Japan)
(1986 request: 2,100 mt)

Operations have not commenced.

11. Cal-Alaska/Marine Enterprise (South Korea)
(1986 request: 6,800 mt)

Operations will start in May or June.

12. Alaska JV/Samho Moolsan (South Korea)
(1986 request: 32,000 mt)

Aleutian operations January 25-March 8 used 2 catchers and 2 processers to catch 10,185 mt pollock.

13. Alaska JV/Nambug (South Korea)
(1986 request: 15,900 mt)

Aleutian operations February 2-March 8 used 1 catcher and 1 processor to catch 6,573 mt pollock.

14-18. Profish/Namyang/Dongwon/Silla/Dongbang (South Korea)
(1986 request: 81,650 mt)

Operations in the Bering Sea February 4-March 8 caught 17,850 mt pollock. Gulf of Alaska operations February 16-March 1 caught 5,850 mt pollock.

19. JV Fisheries/Oyang (South Korea)
(1986 request: 21,200 mt)

Operations in Shelikof and in the Bering Sea February 15-March 1 and in the Bering Sea caught 4500 mt pollock using 3 catchers and 2 processors.

20. Alaska Joint Venture Fisheries/Daerim (South Korea)
(1986 request: 15,600 mt)

Aleutian operations February 2-March 8 used 2 catchers and 2 processors to catch 10,400 mt pollock.

21. N.W. JV Fisheries/Hansung (South Korea)
(1986 request: 28,900 mt)

Operations in Shelikof and Unimak February 7-March 8 used 1-3 catchers and 1-2 processors to catch 1,949 mt pollock.

22. N.W. JV Fisheries/Sajo (South Korea)
(1986 request: 12,300 mt)

Operations in Shelikof beginning February 15 and later in Unimak used 1 catcher and 1 processor to harvest 951 mt pollock.

23. Arctic Venture/Transocean (South Korea)
(1986 request: 7,300 mt)

Aleutian operations February 2-March 8 used 1 catcher and 1 processor to catch 4,111 mt pollock.

24. Alaska Contact/Korea Wongyang (South Korea)
(1986 request: 31,300 mt)

KWF transferred over to Profish. Their joint venture has not commenced.

25. Marine Resources (USSR)
(1986 request: 182,025 mt)

Bering Sea operations February 7-March 11 used 17 catchers and 9 processors to catch 7,800 mt cod and assorted bycatch.

26. Alaska Contact/Taiwan
(1986 request: 6,800 mt)

Operations will start in May or June.

27. Windjammer Seafoods/Taiwan
(1986 request: 10,000 mt)

Operations have not commenced.

28. Alaska Joint Venture Fisheries/Poland
(1986 request: 18,300 mt)

Operations have not commenced.

29. Profish International/Poland
(1986 request: 15,800 mt)

Operations have not commenced.

30. Quest Alaska/Poland
(1986 request: 18,300 mt)

Operations have commenced but no report was available.

31. Pierre Rajotte/China
(1986 request: 11,668 mt)

Operations have not commenced.

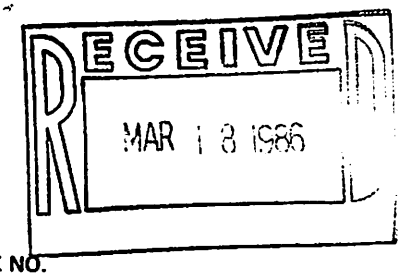
32. North Pacific International/China
(1986 request: 11,666 mt)

Operations have not commenced.

33. Marco Seattle/China
(1986 request: 11,666 mt)

Operations have not commenced.

AGENDA B-5
MARCH 1986
SUPPLEMENTAL



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PHONE (206) 624-5551

TELEX NO.
32-8836 HOKO CO. SEA

March 13, 1986

North Pacific Fishery Management Council
Post Office Box 103136
Anchorage, Alaska 99510

Interim Report - 1986 Hoko-Alyeska Ocean Joint Pollock Fishery: (1) Shelikof Area

Dear sirs:

For the reference of the members of the Council, we are pleased to provide the following report on the first phase of our 1986 United States-Japan joint Alaska pollock fishery:

Japanese Company
Hoko Fishing Company
No. 2-4, 1-chome, Tsukiji
Tokyo, Japan

Name and Size of the Processing Vessel
Tsuda Maru — 111 meters / 4,317 gross tons

American Company
Alyeska Ocean, Inc.
816 Fourth Street
Anacortes, Washington 98221

Name and Size of the Fishing Vessels
M/V Alyeska — 198 gross tons
M/V Arcturus — 198 gross tons
M/V Andrew McGee — 198 gross tons

Beginning Date of Fishing (GMT) — February 15, 1986

End of Fishing (GMT) — March 1, 1986

Type of Gear — Mid-water Trawl only

Area of Fishing	57:30N to 58:00N lat 154:30W to 155:00W long
Operating Days	
Fishing Days	15 days
Other	0 days
Total	15 days
Composition of Catch	
Alaska Pollock	4,327.067 mt
Pacific Cod	33.898 mt
Other	0.815 mt
Total	4,361.780 mt
Average Catch per Operating Day	290.8 mt/day

This is the first phase of the fifth year of joint fishing operations for Hoko Fishing Company and Alyeska Ocean, Inc. within the U.S. extended fishing zone and the third year to fish the Shelikof Strait area. With the exception of two days of adverse weather (February 26 and 27) when only one delivery could be made each day, the fishery proceeded smoothly and without incident. For comparison, the average catch per operating day was 283.9 mt in 1984 (four boats), 293.5 mt in 1985 (three boats), and 290.8 mt in 1986 (three boats) - the average catch per day for the same area and with the same number of boats being slightly less in 1986 than in 1985.

For the past five years, there has been a very close cooperation between Hoko Fishing Company and Alyeska Ocean, Inc., both in the planning and the operations of the fishery. Two representatives of Alyeska Ocean were again placed aboard the processing vessel in order to coordinate the deliveries from the fishing vessels with the needs of the processing vessels.

Sincerely yours,

Clinton E. Atkinson
Consultant and Advisor
Hoko Fishing Company

Table 1. Bering Sea and Aleutians JVP Guidelines

This table shows target species amounts submitted to the Council by each joint venture company, and NMFS' determination of guideline by-catch amounts for each company. All pollock, flatfish and Pacific cod amounts were assigned to the Bering Sea except for a few cases where companies requested pollock in the Aleutians; all Atka mackerel amounts were assigned to the Aleutians. All Atka mackerel request amounts were reduced by 45 percent in order to keep the total within the 30,790 Atka mackerel JVP.

"Target totals" were calculated for each company/area which included the sum of pollock, Pacific cod, yellowfin sole and other flounder in the Bering Sea; and pollock and Atka mackerel in the Aleutians.

"Critical species" by-catch guidelines for POP, sablefish and rockfish were calculated for each company according to the following formula:

$$\text{Company guideline} = \frac{\text{Company target total}}{\text{JVP target total}} \times \text{critical species quota guideline}$$

Guideline amounts of noncritical species (Greenland turbot, arrowtooth flounder, Pacific cod, squid, other species) were assigned by-catch using last year's rates.

Crabs were distributed according to the following formula:

$$\text{Company guideline} = \frac{\text{Company (Bering Sea) yellowfin sole + flatfish}}{\text{All companies (B.S.) yellowfin sole + flatfish}} \times \text{Crab PSC}$$

The red king crab and *C. bairdi* Tanner crab company guidelines and aggregate quotas apply to yellowfin sole/flounder fisheries only; catches of king crab and Tanner crab in other joint-venture fisheries will not be counted towards achievement of either company guidelines or aggregate quotas.

	CODES	WHIT/OHTOR	WEST/TAIYO	WEST/KANAI	WEST/HOKK	ALY/HOKO	PPAN/NICH	NDSF/NIPP	AKCON/ANY	AKCON/NAN
BSA "QUOTAS"	ICI	JA2	JA1	JA7	JA9	JA3	JA0	JA8	JA13	JA10
	NWAFC									
21-Feb-86	NPFMC	1	2	3	12	4	5	6	7	8
	U.S.	WHITNEY-F	WESTWARD T	WESTWARD T	WESTWARD T	ALYESKA	PETER PAN	N.DEEPSEA	AK. CONT	AK. CONT
	FOREIGN	OHTORI	TAIYO	KANAI	HOKKAIDO	HOKO	NICHIRO	NIPPON	ANYO	NANSEI
BERING										
POLLOCK		23300	140275	8375	10200	28200	14950	163500	8600	3600
POP		5.3	29.4	2.1	2.6	6.3	4.2	34.4	2.3	2.1
ROCKFISH		3.9	21.7	1.6	1.9	4.6	3.1	25.4	1.7	1.5
SABLEFISH		6.7	37.3	2.7	3.9	7.9	5.3	43.6	3.0	2.6
* PACIFIC COD		358	545	270	318	333	750	696	368	856
* YELLOWFIN SOLE		1226	1862	949	1087	1138	2564	2379	1256	2923
* GREENLAND TURB		157	872	63	76	186	125	1020	69	61
* ARROWTOOTH FL		43	236	17	21	50	34	276	19	17
* FLOUNDERS		1164	1768	901	1033	1082	2436	2261	1194	2777
* ATKA MACKERAL		1.5	8.2	0.6	0.7	1.7	1.2	9.6	0.6	0.6
* SQUID		1	7	0.5	0.6	2	1.0	9	0.6	0.5
* OTHER SPECIES		157	872	63	76	186	125	1020	69	61
BERING TOT		26423.7	146534.8	10646.5	12820.4	31197.4	20998.8	171273.6	11582.8	10302.6
	TARGET TOT	26048.0	144450.0	10495.0	12638.0	30753.0	20700.0	168836.0	11418.0	10156.0
ALEUTIANS										
POLLOCK		30	0	30	0	0	30	0	30	30
POP		6.3	0.0	6.3	0.0	0.0	6.3	0.0	6.3	6.3
ROCKFISH		0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1
SABLEFISH		0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.5	0.5
* PACIFIC COD		57	0	57	0	0	57	0	57	57
* YELLOWFIN SOLE		4	0	4	0	0	4	0	4	4
* GREENLAND TURB		1	0	1	0	0	1	0	1	1
* ARROWTOOTH FL		4	0	4	0	0	4	0	4	4
* FLOUNDERS		9	0	9	0	0	9	0	9	8
* ATKA MACKERAL		535.0	0.0	535.0	0.0	0.0	535.0	0.0	535.0	535.0
* SQUID		0.1	0.0	0.1	0.0		0.1	0.0	0.1	0.1
* OTHER SPECIES		32	0	32	0	0	32	0	32	32
ALEUTIANS TOT		679.2	0.0	679.2	0.0	0.0	679.2	0.0	679.2	678.2
	TARGET TOT	565.0	0.0	565.0	0.0	0.0	565.0	0.0	565.0	565.0
BSA TOT		27102.9	146534.8	11325.7	12820.4	31197.4	21678.0	171273.6	12262.0	10980.8
* AREA BREAKDOWN ESTIMATED										
KING CRAB		1491	2265	1154	1323	1385	3119	2895	1528	3556
TANNER CRAB		3534	5368	2736	3135	3283	7394	6861	3623	8429

	CODES	PROF/MATS	CALAK/MARE	AKJV/SMH	AKJV/NAM	AKJV/DAER	PROF/NAMFF	PROF/NAMY	PROF/DONW	PROF/SIL
BSA "QUOTAS"	ICI	JA12	KS2	KS7	KS3	KS10	KS5	KS4	KS6	KS7
	NWAFC									
21-Feb-86	NPFMC	10	13	14	15	22	16	17	18	19
	U.S.	PROFISH	CALAK	AK JV FSH	AK JV FSH	AK JV FSH	PROFISH	PROFISH	PROFISH	PROFISH
	FOREIGN	MATSUBAN	MARINE EN	SAMHO	NAMBUG	DAERIM	NAMYANG	NAMYANGSA	DONGWON	SILLA
BERING										
POLLOCK		4000	3450	17650	8090	2000	100	100	100	15000
POP		0.8	0.9	4.3	2.1	1.0	0.6	0.6	0.9	3.8
ROCKFISH		0.6	0.7	3.1	1.5	0.8	0.5	0.5	0.7	2.8
SABLEFISH		1.1	1.1	5.4	2.6	1.3	0.8	0.8	1.2	4.8
* PACIFIC COD		150	230	800	500	500	500	1000	1500	850
* YELLOWFIN SOLE		5	420	1470	900	1590	1500	1200	1800	1680
* GREENLAND TURB		25	26	126	61	31	19	19	28	113
* ARROWTOOTH FL		7	7	34	17	8	5	5	8	31
* FLOUNDERS		5	280	980	600	1060	1000	800	1200	1120
* ATKA MACKERAL		0.2	0.2	1.2	0.6	0.3	0.2	0.2	0.3	1.1
* SQUID		0.2	0.2	1.0	0.5	0.2	0.1	0.1	0.2	0.9
* OTHER SPECIES		25	26	126	61	31	19	19	28	113
BERING TOT		4220.0	4443.2	21201.6	10295.6	5224.3	3144.7	3144.7	4666.4	18919.2
	TARGET TOT	4160.0	4380.0	20900.0	10090.0	5150.0	3100.0	3100.0	4600.0	18650.0
ALEUTIANS										
POLLOCK		0	25	70	45	70	50	150	150	90
POP		0.0	4.3	14.8	9.4	12.6	9.4	31.3	34.2	17.0
ROCKFISH		0.0	0.1	0.3	0.2	0.2	0.2	0.6	0.7	0.3
SABLEFISH		0.0	0.4	1.3	0.8	1.1	0.8	2.7	3.0	1.5
* PACIFIC COD		0	39	133	85	114	85	283	309	153
* YELLOWFIN SOLE		0	3	11	7	9	7	22	24	12
* GREENLAND TURB		0	1	3	2	3	2	7	8	4
* ARROWTOOTH FL		0	3	9	6	8	6	20	22	11
* FLOUNDERS		0	9	26	15	15	12	38	42	21
* ATKA MACKERAL		0.0	363.8	1262.6	802.5	1070.0	802.5	2675.0	2942.5	1444.5
* SQUID			0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.2
* OTHER SPECIES		0	22	75	48	64	48	159	174	86
ALEUTIANS TOT		0.0	470.2	1606.8	1020.4	1367.3	1023.2	3388.7	3710.0	1841.2
	TARGET TOT	0.0	388.8	1332.6	847.5	1140.0	852.5	2825.0	3092.5	1534.5
BSA TOT		4220.0	4913.4	22808.4	11256.0	6591.6	4167.9	6533.4	8376.4	20760.3
* AREA BREAKDOWN ESTIMATED										
KING CRAB			437	1528	936	1653	1560	1248	1871	1747
TANNER CRAB			1035	3623	2218	3919	3697	2957	4436	4140

	CODES	PROF/DONB	JVF/OYANG	NWJV/HAN	NWJV/SAJ	ARCV/TRA	AKCON/KORWY	MRCCPA	MRCYFS	AKCON/TW	WJSF/TW
BSA "QUOTAS"	ICI	KS8	KS9	KS11	KS12	KS13	KS14	URO	UR1	TWO	TW1
	NWAFC										
21-Feb-86	NPFMC	20	21	23	24	25	26	27	27A	28	29
	U.S.	PROFISH	JV FISH	NWJVF	NWJVF	ARCTIC V	AK. CON	MRC,cod,	MRC,	AK. CON	WINDJAM
	FOREIGN	DONGBANG	OYANG	HANSUNG	SAJO	TRANSOC	KORWY	poll,atka	yfinsole	TAIWAN	TAIWAN
BERING											
POLLOCK		5500	8000	12200	100	3600	16000	3000	100	100	500
POP		1.4	2.0	2.7	0.4	0.9	4.1	2.9	29.0	0.4	0.7
ROCKFISH		1.0	1.5	2.0	0.3	0.7	3.0	2.2	21.4	0.3	0.5
SABLEFISH		1.8	2.5	3.5	0.6	1.2	5.1	3.7	36.8	0.5	0.8
* PACIFIC COD		300	500	800	550	200	900	8000	11200	1000	1100
* YELLOWFIN SOLE		660	720	240	900	420	1800	100	85000	100	100
* GREENLAND TURB		42	59	81	13	27	120	87	861	12	19
* ARROWTOOTH FL		11	16	22	4	7	33	24	233	3	5
* FLOUNDERS		440	480	160	600	280	1200	100	56400	800	1500
* ATKA MACKERAL		0.4	0.5	0.8	0.1	0.3	1.1	0.8	8.1	0.1	0.2
* SQUID		0.3	0.5	0.7	0.1	0.2	1.0	1	7	0.1	0.2
* OTHER SPECIES		42	59	81	13	27	120	87	861	12	19
BERING TOT		6999.6	9840.0	0.0	2181.0	4564.9	20187.2	11408.1	154756.7	2028.9	3246.2
	TARGET TOT	6900.0	9700.0	13400.0	2150.0	4500.0	19900.0	14400.0	142500.0	2000.0	3200.0
ALEUTIANS											
POLLOCK		30	35	60	120	25	85	590		0	0
POP		6.3	7.5	10.1	25.0	4.4	18.1	107.8	0.0	0.0	0.0
ROCKFISH		0.1	0.1	0.2	0.5	0.1	0.4	2.1	0.0	0.0	0.0
SABLEFISH		0.5	0.7	0.9	2.2	0.4	1.6	9.4	0.0	0.0	0.0
* PACIFIC COD		57	68	92	226	40	164	2400	0	0	0
* YELLOWFIN SOLE		4	5	7	18	3	13	77	0	0	0
* GREENLAND TURB		1	2	2	6	1	4	25	0	0	0
* ARROWTOOTH FL		4	5	6	16	3	12	69	0	0	0
* FLOUNDERS		8	9	12	30	5	22	132	0	0	0
* ATKA MACKERAL		535.0	642.0	856.0	2140.0	374.5	1551.5	9148.5		0.0	0.0
* SQUID		0.1	0.1	0.1	0.2	0.1	0.2	0.5	0.0	0.0	0.0
* OTHER SPECIES		32	38	52	127	22	92	548	0	0	0
ALEUTIANS TOT		678.2	812.0	28092.0	2710.6	478.9	1963.1	13108.8	0.0	0.0	0.0
	TARGET TOT	565.0	677.0	916.0	2260.0	399.5	1636.5	9738.5	0.0	0.0	0.0
BSA TOT		7677.8	10652.1	28092.0	4891.7	5043.8	22150.4	24516.9		2028.9	3246.2
* AREA BREAKDOWN ESTIMATED											
KING CRAB		686	749	250	936	437	1871		88210	561	998
TANNER CRAB		1627	1774	591	2218	1035	4436		209090	1331	2366

	CODES	AKJV/PL	PROF/PL	QUEST/PL	IOO/PRC	NPI/PRC	MAR/PRC	US/NON	COMPANY	
BSA "QUOTAS"	ICI	PL0	PL1	PL2	PC0	PC1	PC2	UNALLOC	TOTALS	JVPS
	NWAFC									
21-Feb-86	NPFMC	30	31	32	33	34	35			
	U.S.	AK JV FS	PROFISH	QUEST	INT.OC.OP	N.P.INT.	MARCO			
	FOREIGN	POLAND	POLAND	POLAND	PRC	PRC	PRC			
BERING										
POLLOCK		13000	11000	13000	100	100	100	152110.0	537890.0	690000
POP		2.8	2.4	2.8	1.4	1.4	1.4	33.5	160.5	194
ROCKFISH		2.1	1.8	2.1	1.0	1.0	1.0	24.7	118.3	143
SABLEFISH		3.5	3.0	3.5	1.7	1.7	1.7	42.5	203.5	246
* PACIFIC COD		700	700	700	1000	1000	1000	4826.0	40174.0	45000
* YELLOWFIN SOLE		10	10	10	4000	4000	4000	11.0	128019.0	128030
* GREENLAND TURB		83	71	83	41	41	41	142.3	4757.7	4900
* ARROWTOOTH FL		22	19	22	11	11	11	95.1	1288.5	1384
* FLOUNDERS		10	10	10	1668	1668	1668	345.0	88655.0	89000
* ATKA MACKERAL		0.8	0.7	0.8	0.4	0.4	0.4	5.4	44.6	50
* SQUID		0.7	0.6	0.7	0.3	0.3	0.3	0.4	39.6	40
* OTHER SPECIES		83	71	83	41	41	41	72.3	4757.7	4830
BERING TOT ,		13918.1	11889.2	13918.1	6865.7	6865.7	6865.7	157708	806108.6	963817
	TARGET TOT	13720.0	11720.0	13720.0	6768.0	6768.0	6768.0	157292.0	794738.0	952030.0
ALEUTIANS										
POLLOCK		1000	1000	1000	40	50	50	5919.0	4885.0	10804
POP		11.1	11.1	11.1	3.4	6.5	6.5	66.8	393.2	460
ROCKFISH		0.2	0.2	0.2	0.1	0.1	0.1	1.3	7.7	9
SABLEFISH		1.0	1.0	1.0	0.3	0.6	0.6	5.8	34.2	40
* PACIFIC COD		100	100	100	31	59	59	852.7	4977.3	5830
* YELLOWFIN SOLE		8	8	8	2	5	5	20.0	280.0	300
* GREENLAND TURB		3	3	3	1	1	1	10.0	90.0	100
* ARROWTOOTH FL		7	7	7	2	4	4	33.4	250.0	283
* FLOUNDERS		14	14	14	4	8	8	48.0	502.0	550
* ATKA MACKERAL		1.0	1.0	1.0	267.5	535.0	535.0	113.6	30626.4	30740
* SQUID		0.2	0.2	0.2	0.1	0.2	0.2	5.6	4.4	10
* OTHER SPECIES		56	56	56	17	33	33	170.0	2000.0	2170
ALEUTIANS TOT		1201.4	1201.4	1201.4	368.8	702.0	702.0	7246	44050.2	51296
	TARGET TOT	1001.0	1001.0	1001.0	307.5	585.0	585.0	6032.6	35511.4	41544.0
BSA TOT		15119.5	13090.6	15119.5	7234.5	7567.7	7567.7	164954	850158.8	1015113
* AREA BREAKDOWN ESTIMATED										
KING CRAB					3536	3536	3536	0	135000	135000
TANNER CRAB					8381	8381	8381	0	320000	320000