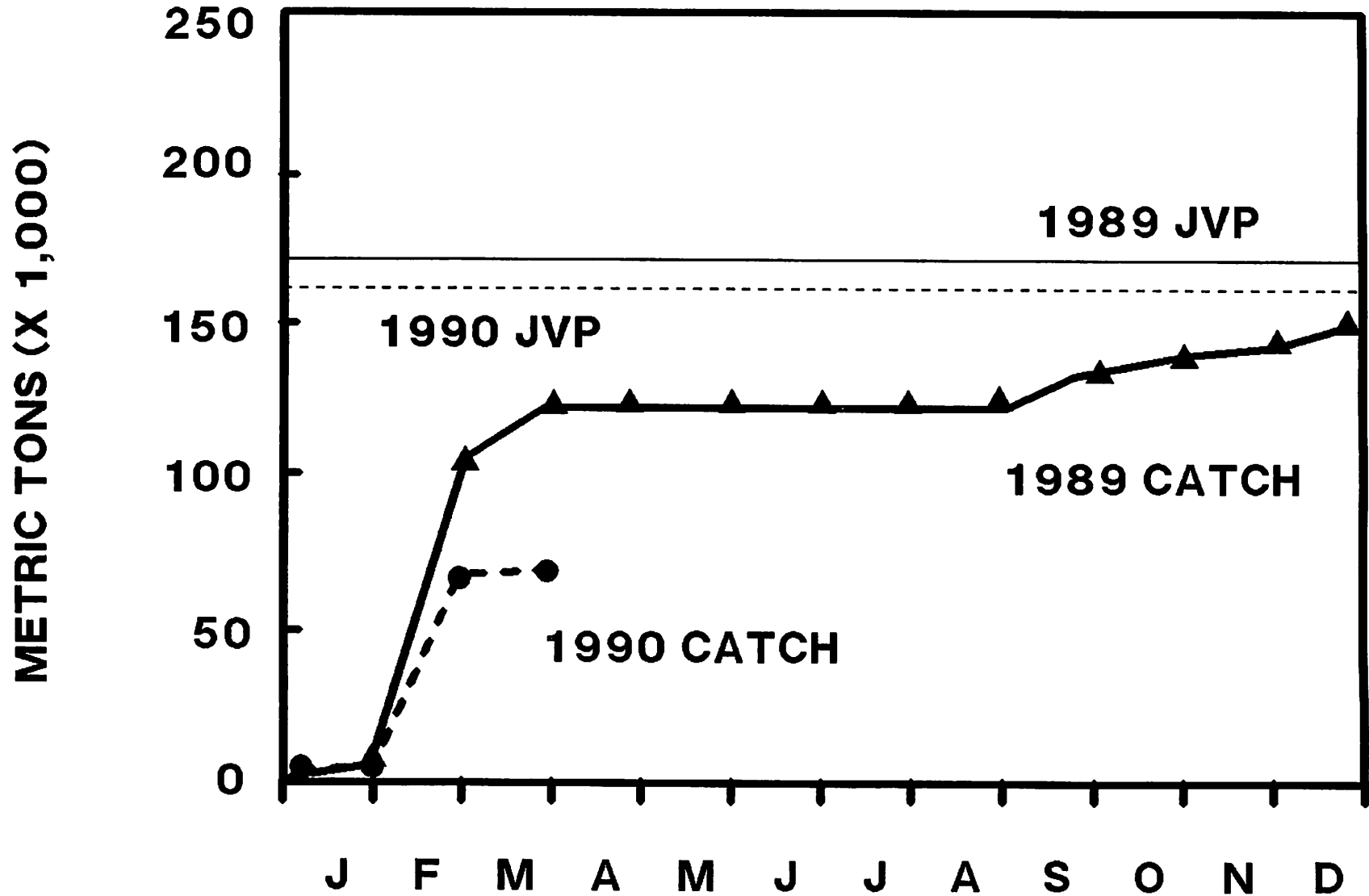


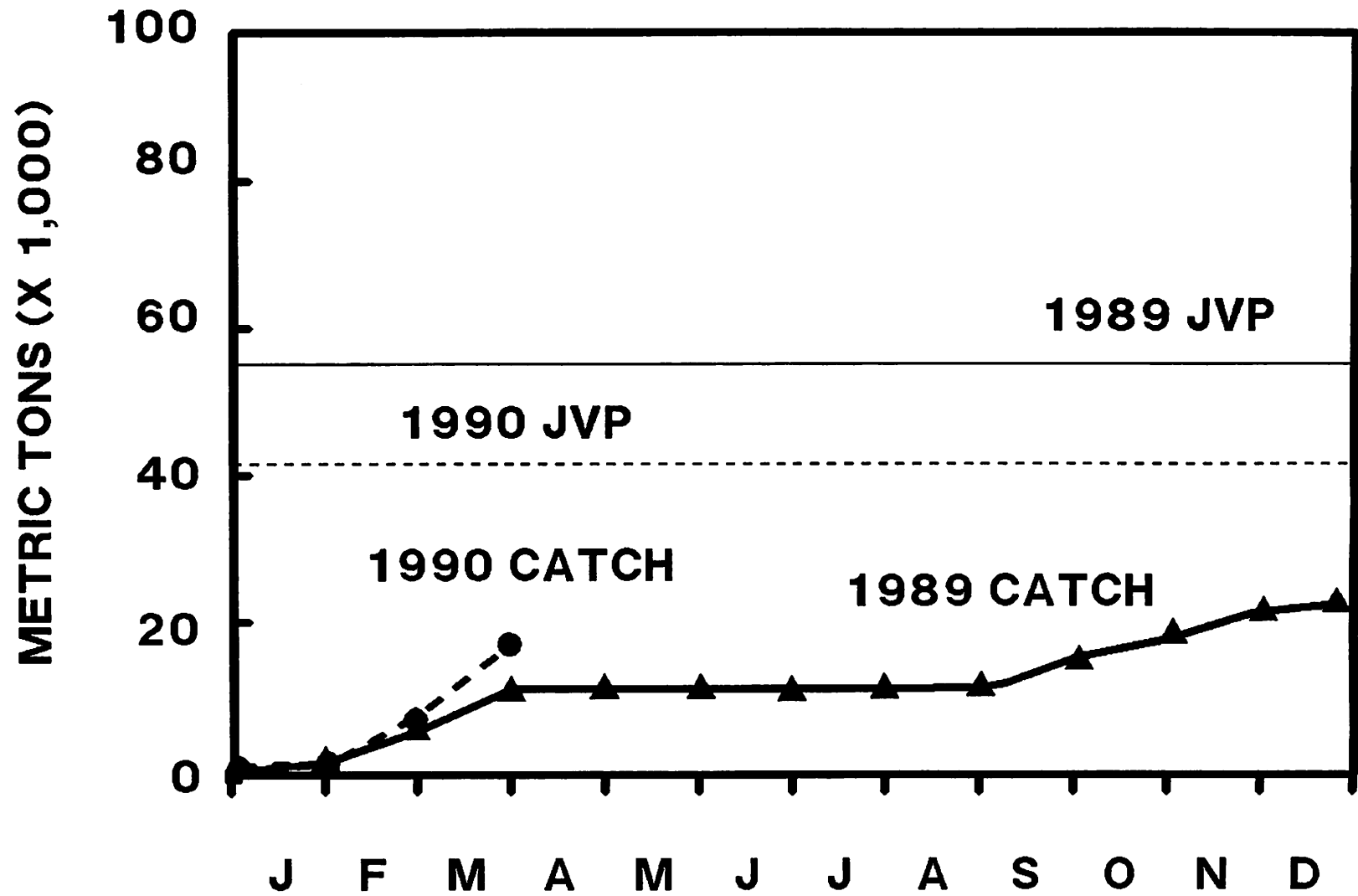
JVP CATCH

BSAI YELLOWFIN SOLE



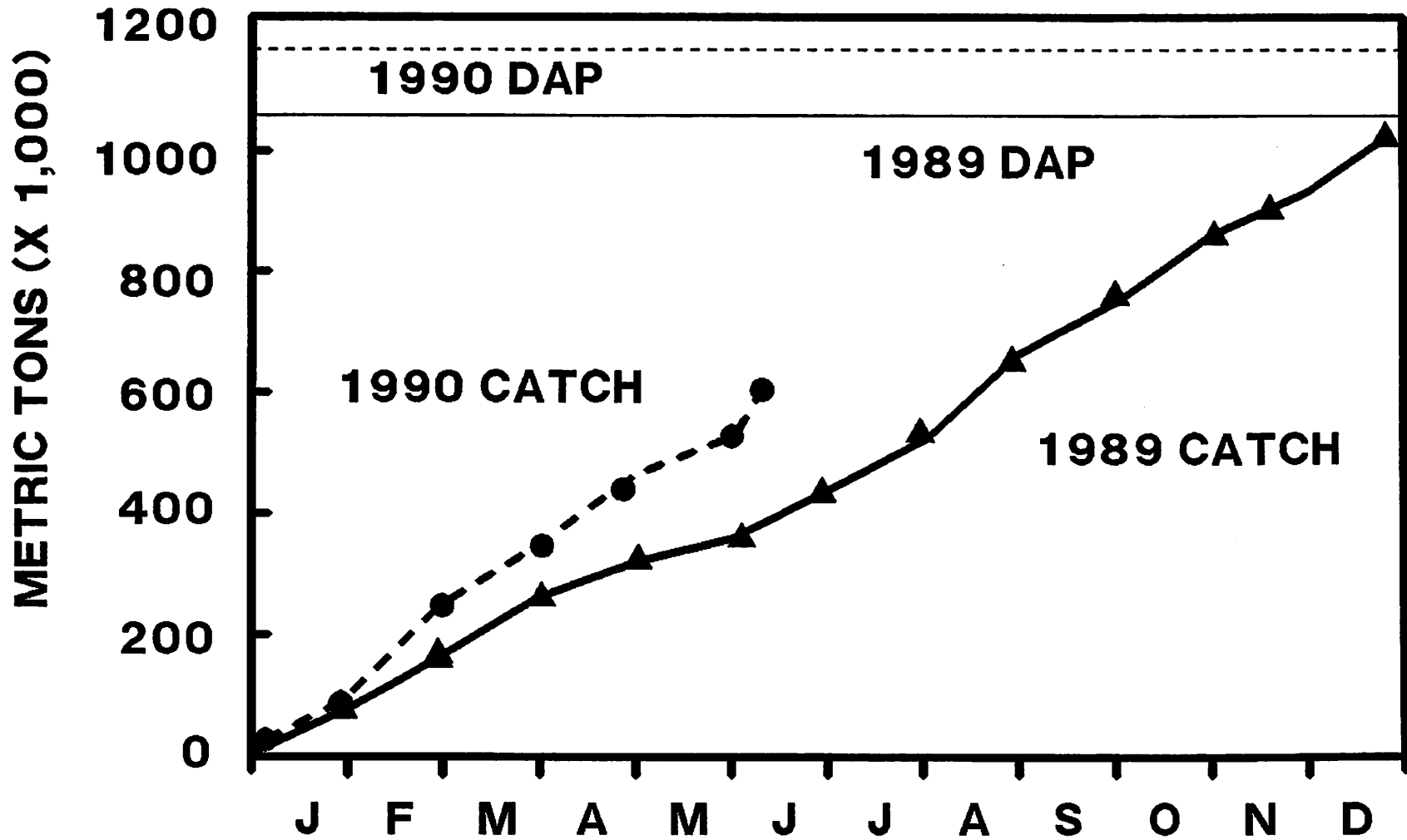
JVP CATCH

BSAI "OTHER FLATFISH"



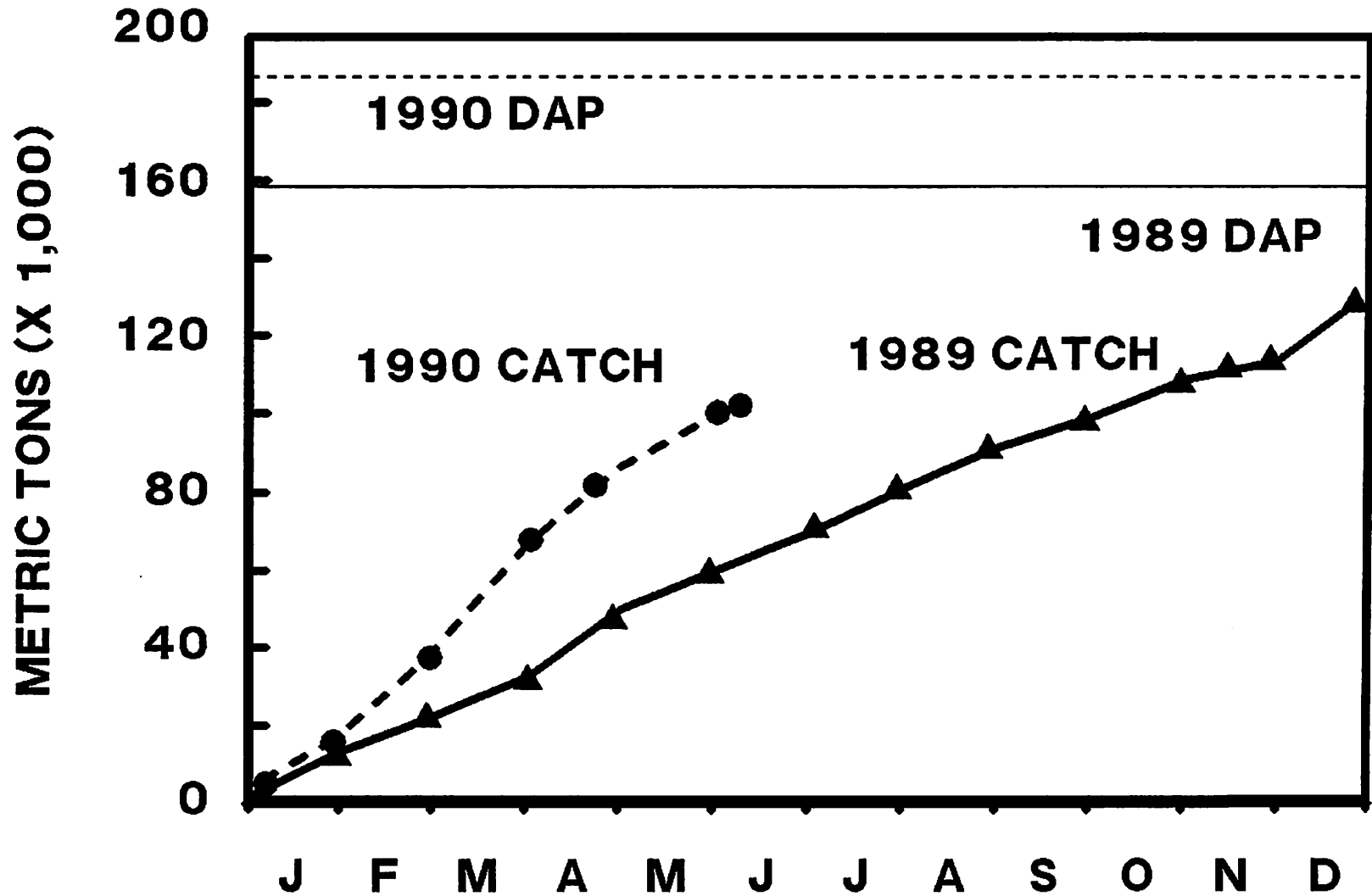
DAP CATCH

BSAI POLLOCK



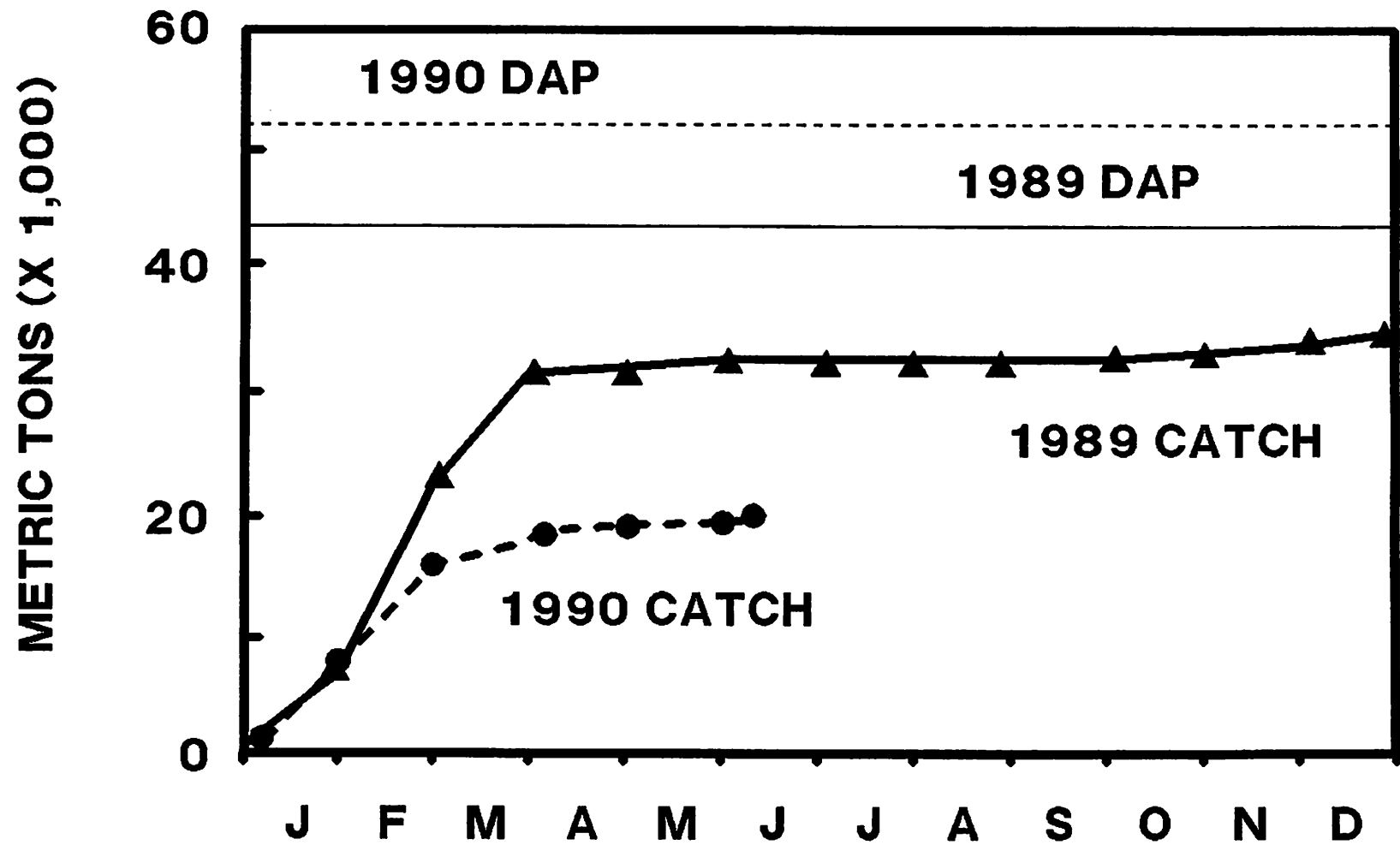
DAP CATCH

BSAI PACIFIC COD



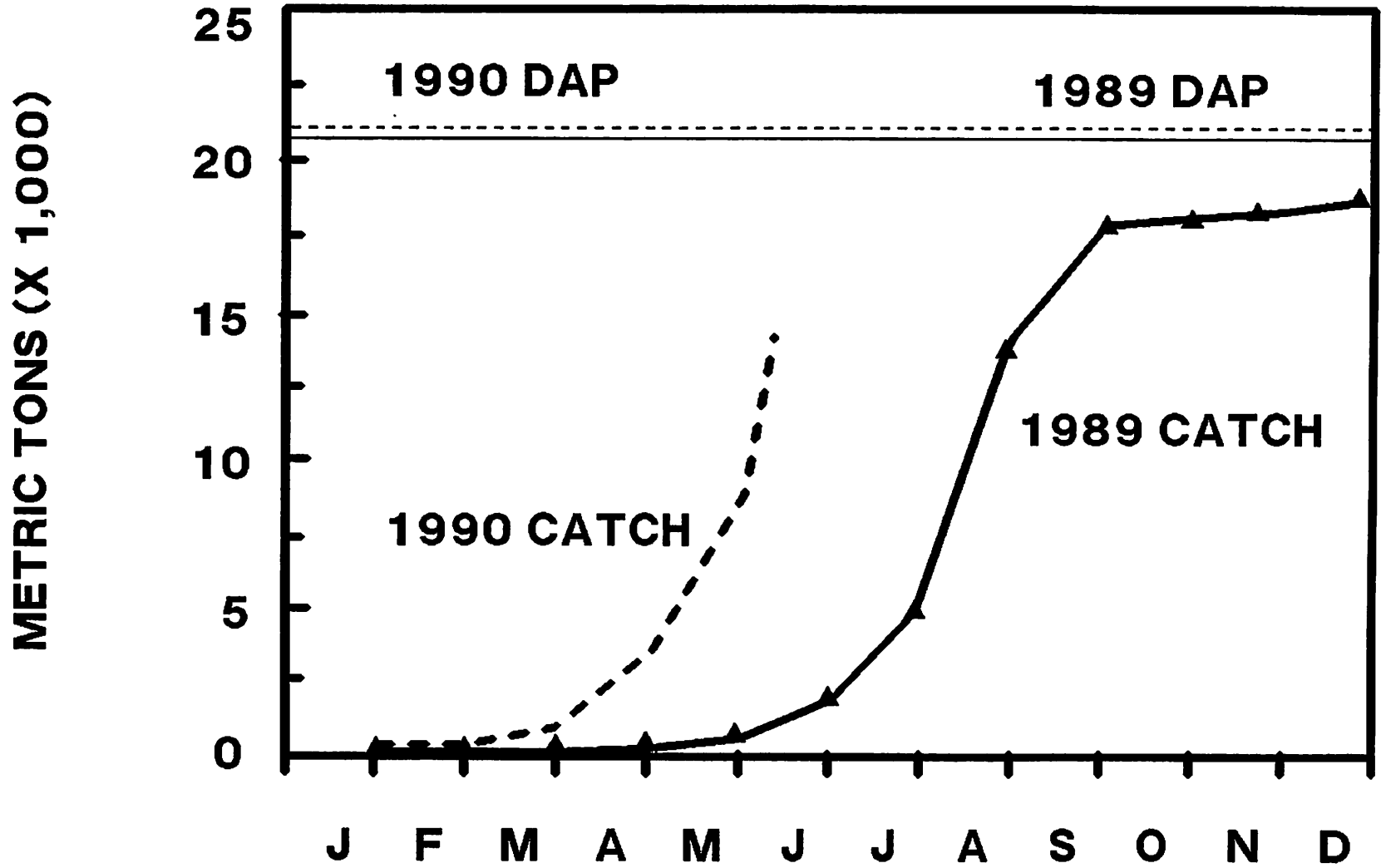
DAP CATCH

BSAI ROCK SOLE



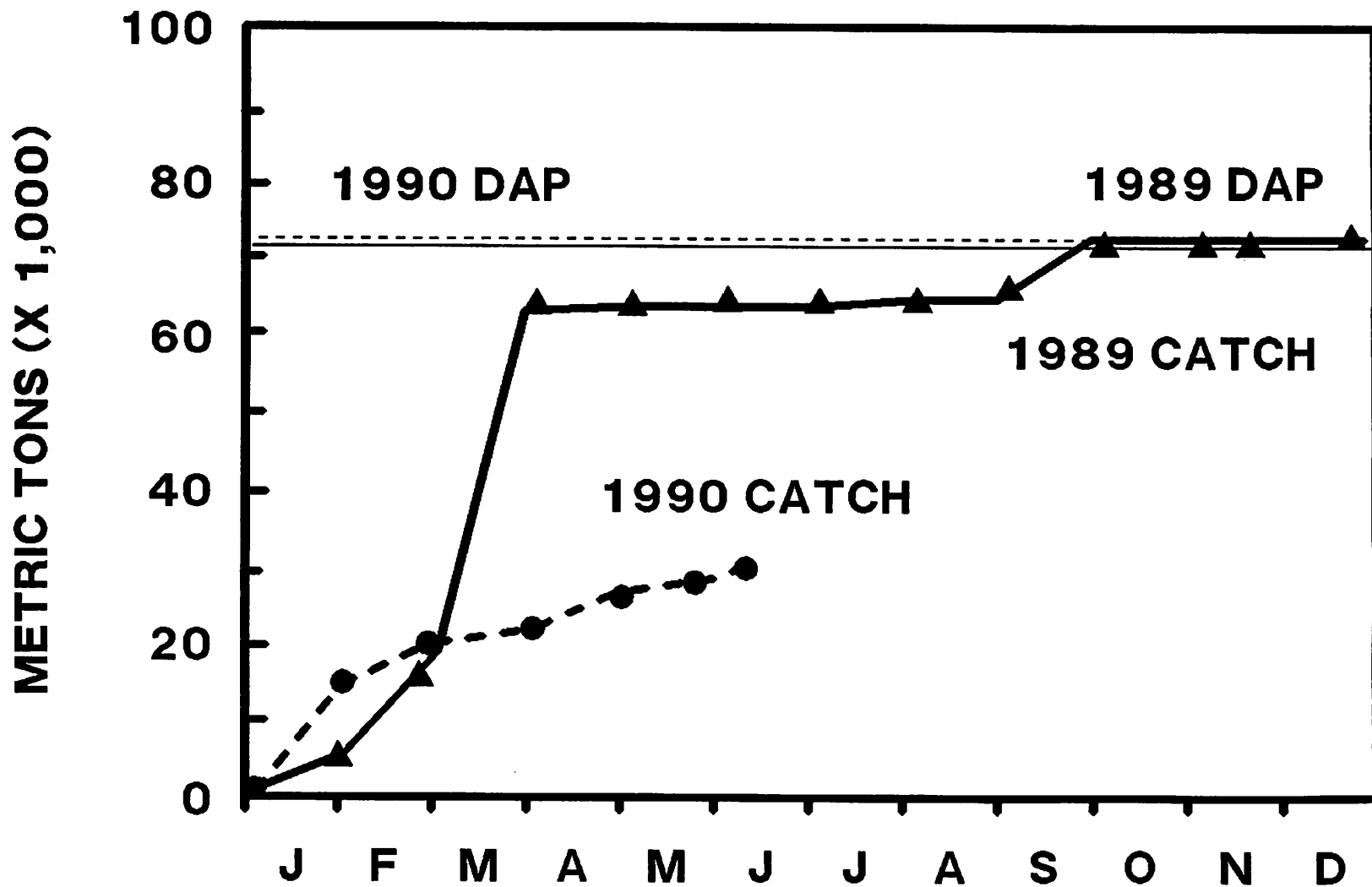
DAP CATCH

BSAI ATKA MACKEREL



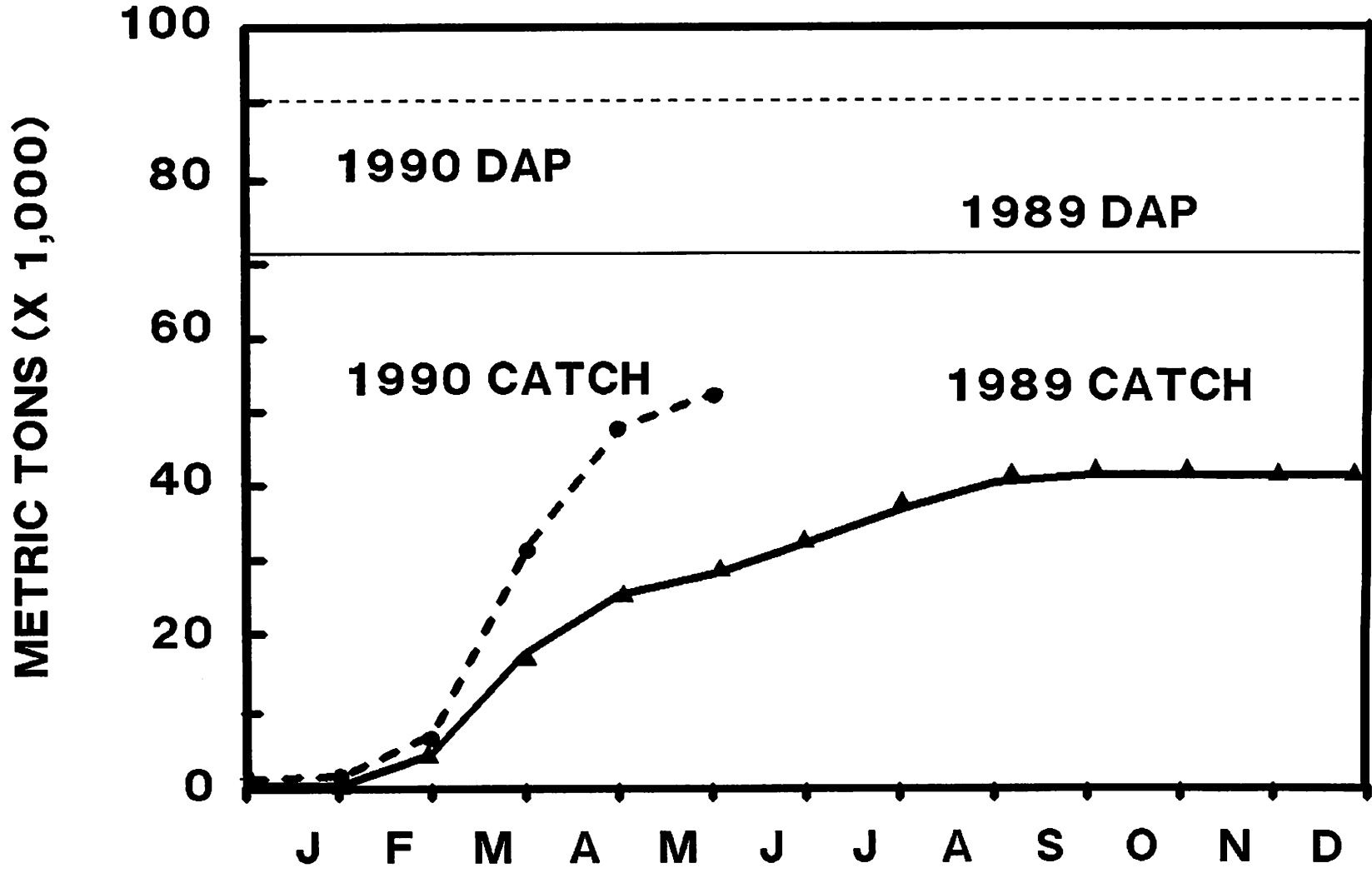
DAP CATCH

GOA POLLOCK

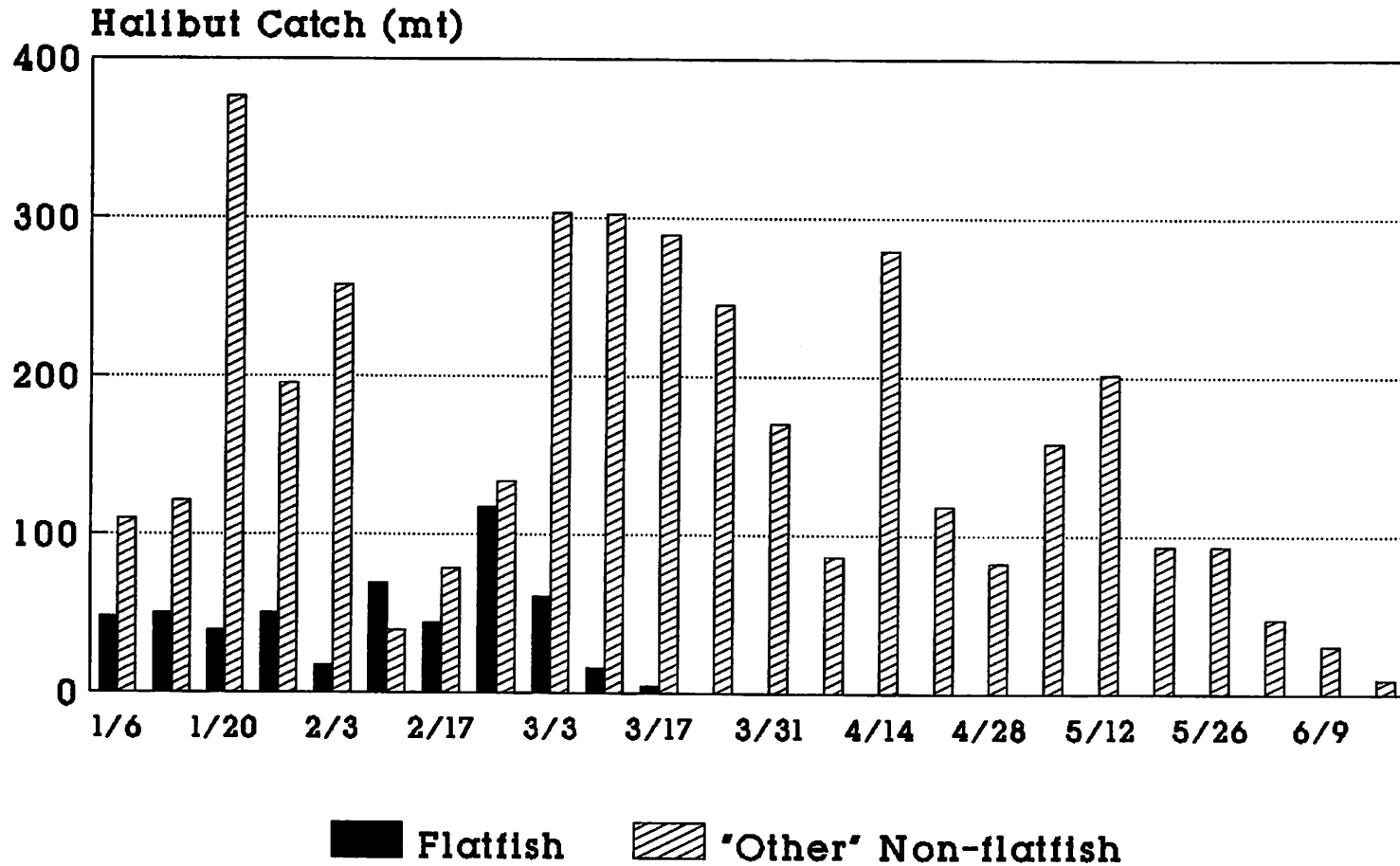


DAP CATCH

GOA PACIFIC COD

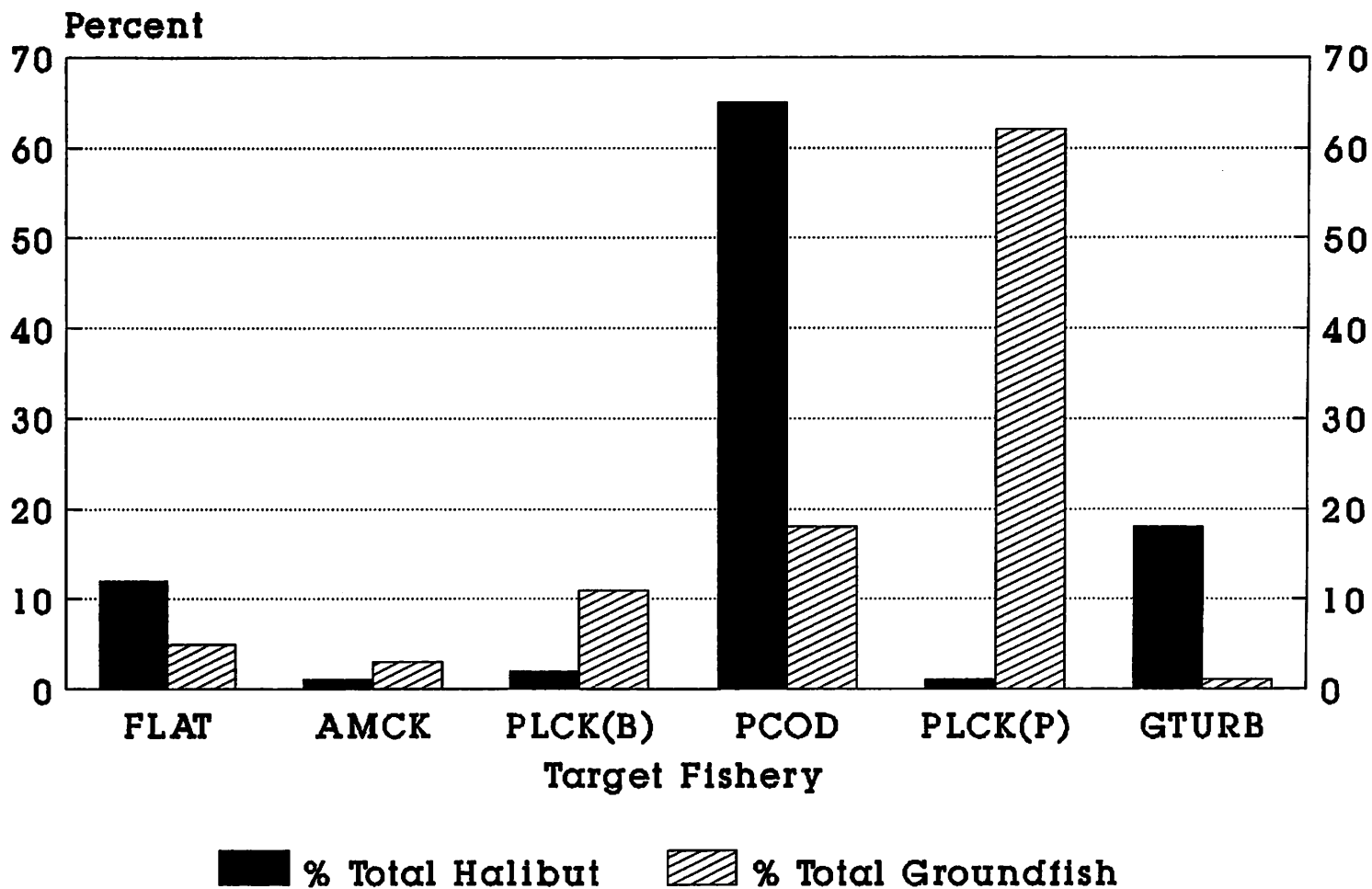


DAP HALIBUT BYCATCH in BSAI Trawl Fisheries

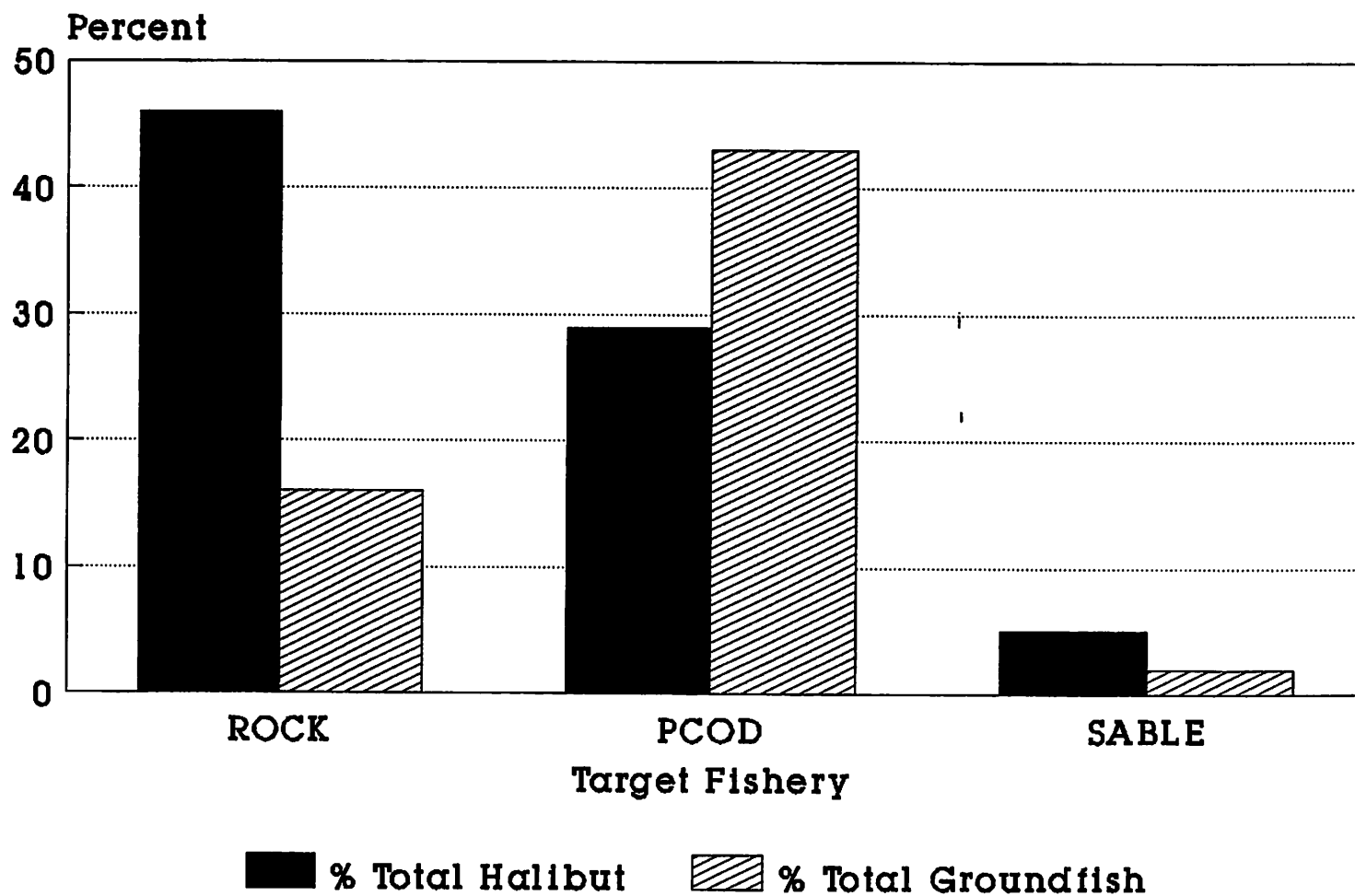


Flatfish includes flattfish,
rock sole, and yellowfin sole

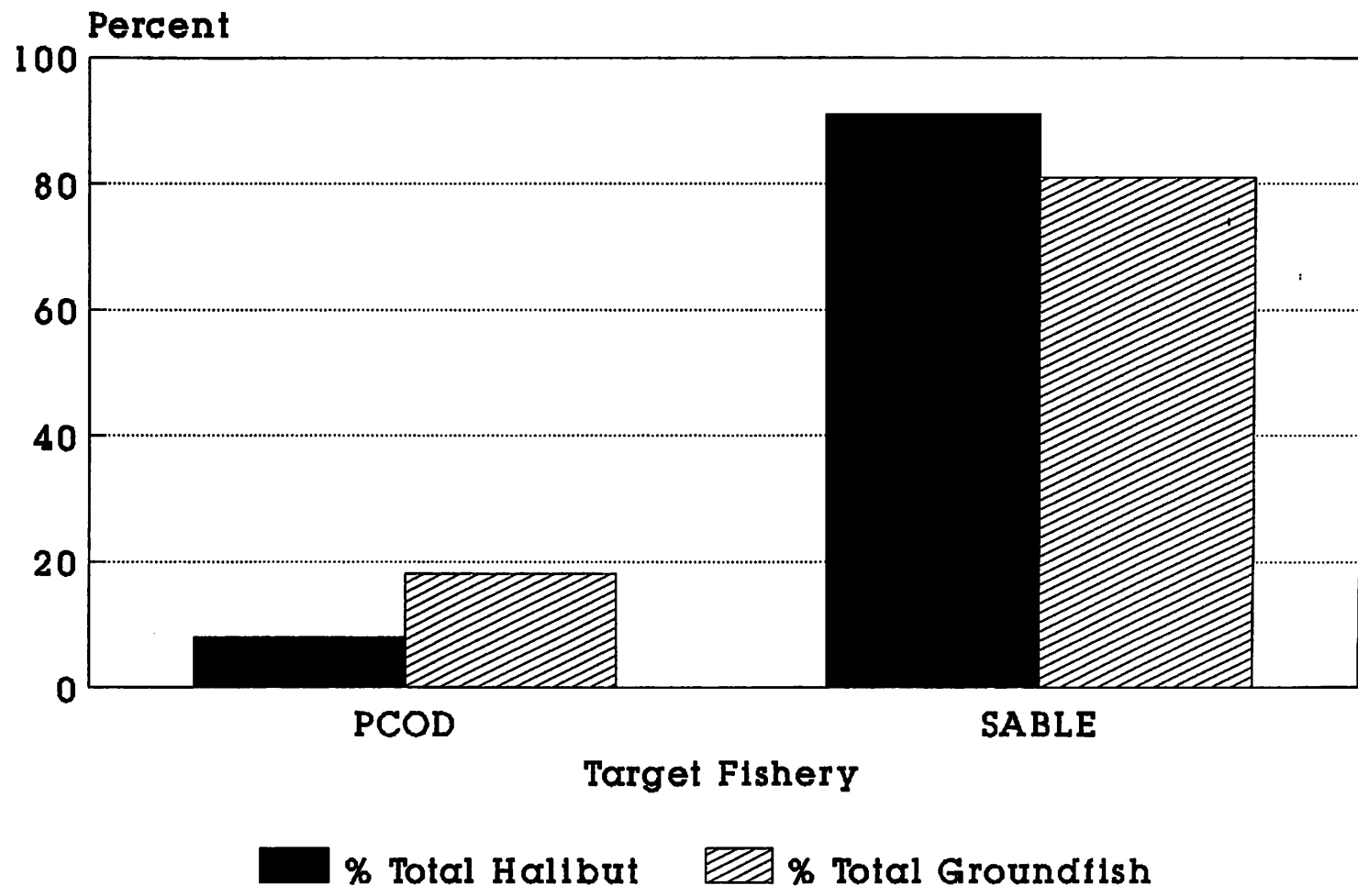
1990 BSAI DAP TRAWL FISHERIES Comparative Halibut Bycatch



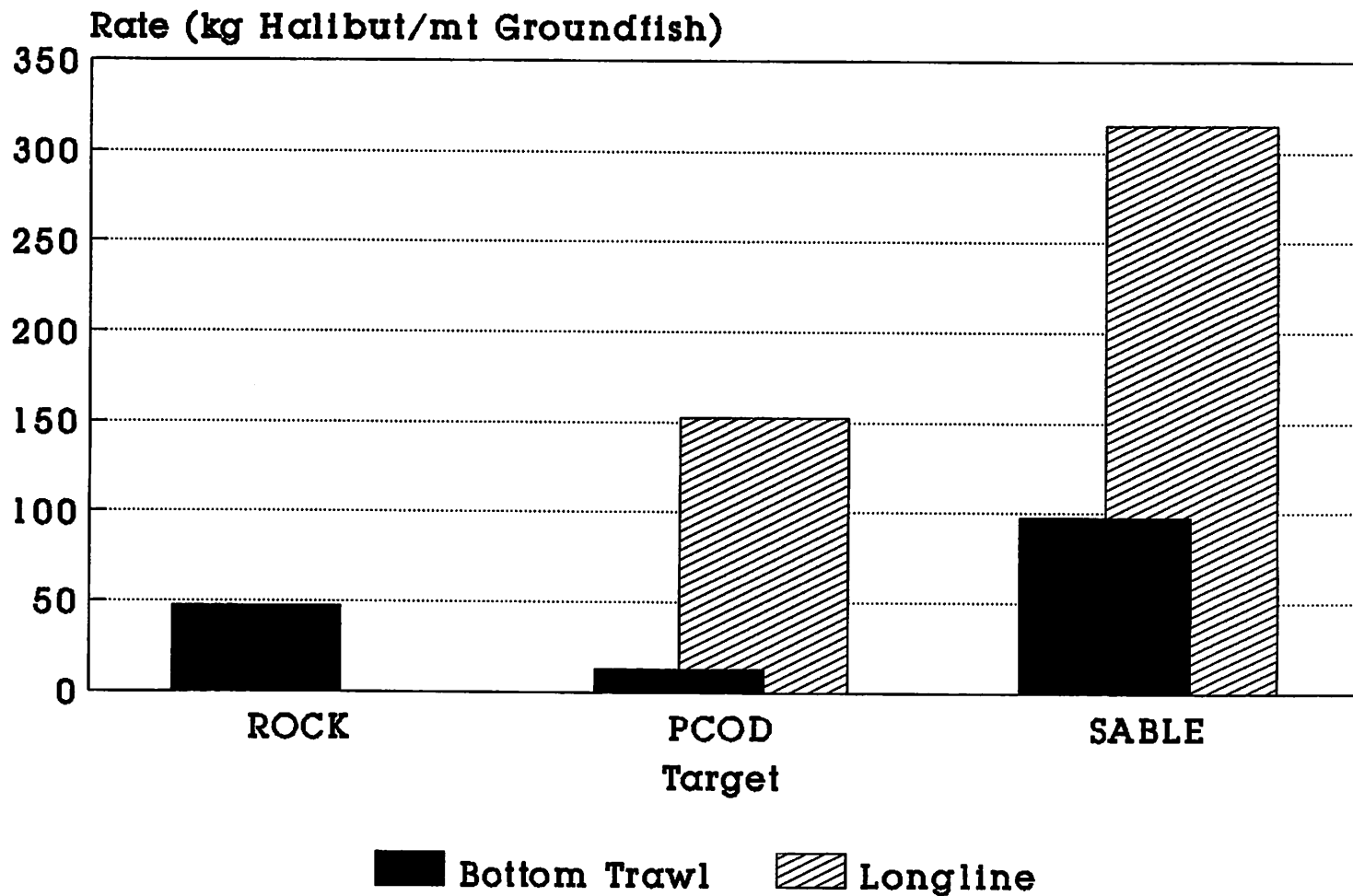
1990 GOA TRAWL FISHERIES Comparative Halibut Bycatch



1990 GOA LONGLINE FISHERIES Comparative Halibut Bycatch

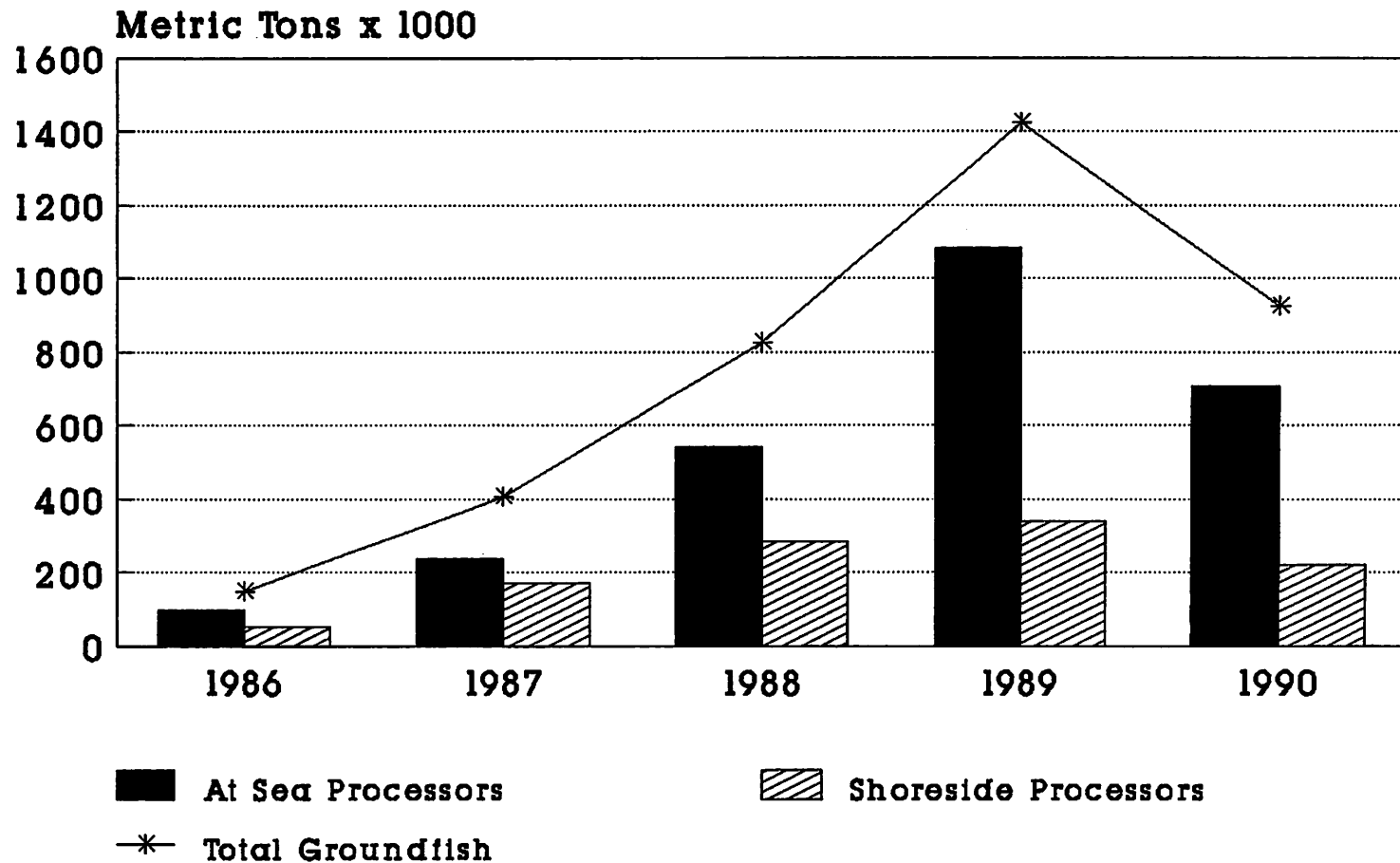


GOA HALIBUT BYCATCH RATES*

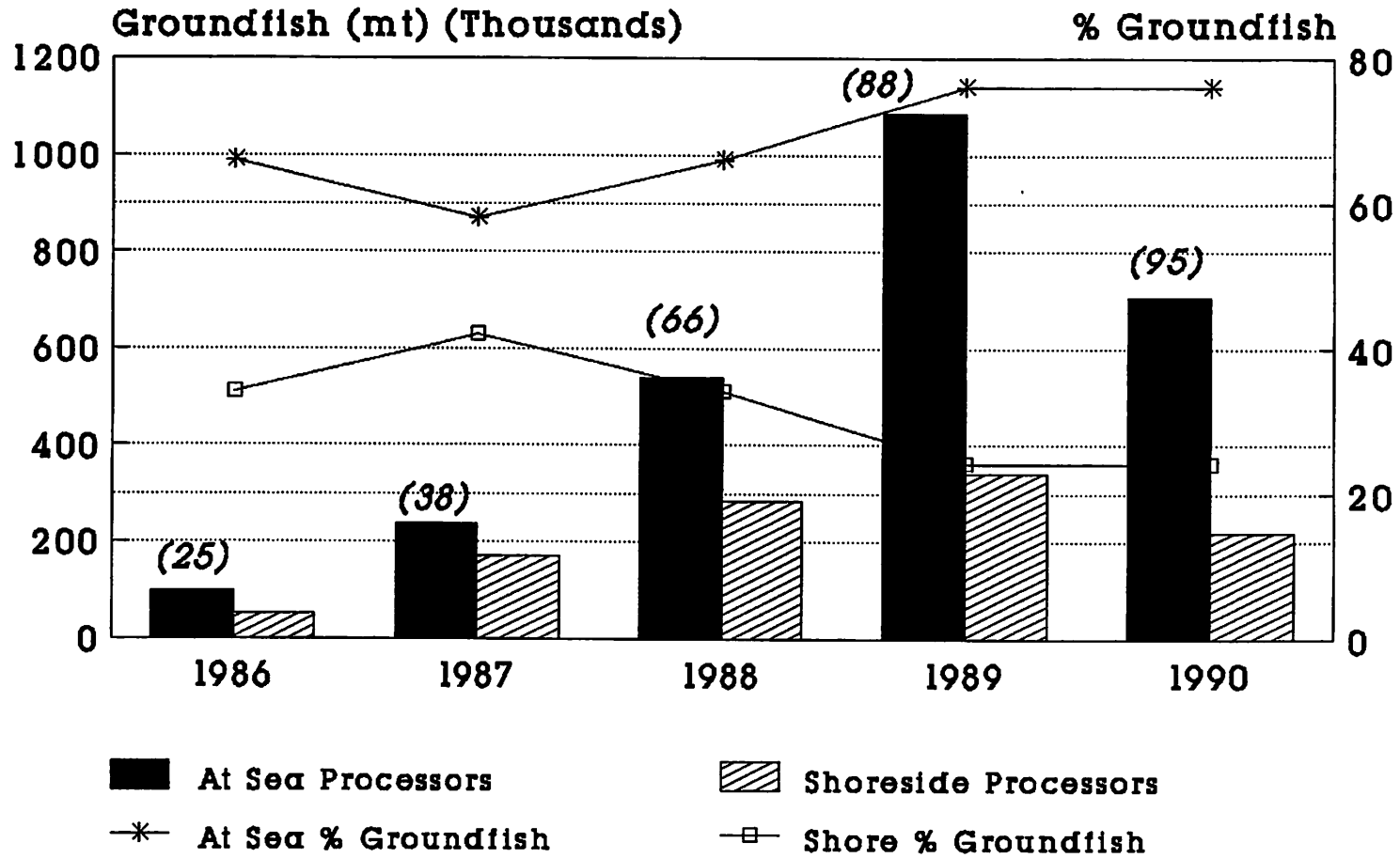


*Rates for additional gear/targets
confidential

GROUNDFISH HARVEST BY PROCESSOR TYPE (1990 through 6/9)



COMPARISON OF PROCESSOR TYPE AS % TOTAL GROUNDFISH (1990 through 6/9)



(#) indicate number of vessels

National Marine Fisheries Service
P.O. Box 21658
Juneau, Alaska 99802-1668

Prepared: 06/19/90
By: J. GHARRETT
(907) 586-7229

1990 BERING SEA & ALEUTIAN APPORTIONMENTS TO DOMESTIC
ANNUAL PROCESSING (DAP) AND PRELIMINARY HARVEST IN ROUND METRIC TONS
(includes weekly production reports through 06/09/90)

	CATCH	APPORTIONMENT	REMAINING	% TAKEN
BERING SEA				
OTHER ROCKFISH	148	425	277	35
POP Complex	646	5355	4709	12
POLLOCK	607047	1088000	480953	56
SABLEFISH (FIXED GEAR)	455	1147	692	40
SABLEFISH (TRAWL)	619	1147	528	54
ALEUTIAN ISLANDS				
OTHER ROCKFISH	98	935	837	10
POP Complex	1036	5610	4574	18
POLLOCK	5431	85000	79569	6
SABLEFISH (FIXED GEAR)	398	2870	2472	14
SABLEFISH (TRAWL)	185	956	771	19
BERING SEA & ALEUTIANS				
ARROWTOOTH FLOUNDER	2958	8500	5542	35
ATKA MACKEREL	14087	17850	3763	79
GREENLAND TURBOT	3559	5950	2391	60
OTHER FLATFISHES	8294	10200	1906	81
OTHER SPECIES	11919	4250	-7669	280
PACIFIC COD	108463	192950	84487	56
ROCK SOLE	20110	51000	30890	39
SQUID	56	425	369	13
YELLOWFIN SOLE	2374	12750	10376	19

TOTALS:	787883	1495320	707437	53
TOTALS BY SPECIES				
ARROWTOOTH FLOUNDER	2958	8500	5542	35
ATKA MACKEREL	14087	17850	3763	79
GREENLAND TURBOT	3559	5950	2391	60
OTHER FLATFISHES	8294	10200	1906	81
OTHER ROCKFISH	246	1360	1114	18
OTHER SPECIES	11919	4250	-7669	280
PACIFIC COD	108463	192950	84487	56
POLLOCK	612477	1173000	560523	52
POP COMPLEX	1682	10965	9283	15
ROCK SOLE	20110	51000	30890	39
SABLEFISH	1658	6120	4462	27
SQUID	56	425	369	13
YELLOWFIN SOLE	2374	12750	10376	19

1990 GULF OF ALASKA APPORTIONMENTS TO DOMESTIC
ANNUAL PROCESSING (DAP) AND PRELIMINARY HARVEST IN ROUND METRIC TONS
(includes weekly production reports through 06/09/90)

	CATCH	APPORTIONMENT	REMAINING	% TAKEN
WESTERN GULF				
ARROWTOOTH FLOUNDER	306	4450	4144	7
DEEP WATER FLATFISH	192	3650	3458	5
SHALLOW WATER FLATFISH	301	3570	3269	8
OTHER ROCKFISH	829	4300	3471	19
PACIFIC COD	29429	29500	71	100
PELAGIC SHELF ROCKFISH	2	1400	1398	0
SABLEFISH (LONGLINE)	1453	3020	1567	48
SABLEFISH (TRAWL)	192	750	558	26
WESTERN & CENTRAL GULF POLLOCK				
	30591	35000	4409	87
CENTRAL GULF				
ARROWTOOTH FLOUNDER	6580	23170	16590	28
DEEP WATER FLATFISH	3840	15300	11460	25
SHALLOW WATER FLATFISH	1442	6180	4738	23
OTHER ROCKFISH	5001	7700	2699	65
PACIFIC COD	22483	59500	37017	38
PELAGIC SHELF ROCKFISH	258	5800	5542	4
SABLEFISH (LONGLINE)	9313	9360	47	100
SABLEFISH (TRAWL)	1407	2340	933	60
WEST YAKUTAT				
SABLEFISH (LONGLINE)	4465	4320	-145	103
SABLEFISH (TRAWL)	435	230	-205	189
EAST YAKUTAT & SOUTHEAST				
SABLEFISH (LONGLINE)	5251	5680	429	92
SABLEFISH (TRAWL)	131	300	169	44
EASTERN GULF				
ARROWTOOTH FLOUNDER	1455	4380	2925	33
DEEP WATER FLATFISH	481	3050	2569	16
SHALLOW WATER FLATFISH	132	250	118	53
OTHER ROCKFISH	5195	5700	505	91
PACIFIC COD	271	1000	729	27
PELAGIC SHELF ROCKFISH	217	1000	783	22
POLLOCK	202	3400	3198	6
SOUTHEAST				
DEMERSAL SHELF ROCKFISH	208	470	262	44
ENTIRE GULF OF ALASKA				
OTHER SPECIES	2787	14179	11392	20
THORNYHEAD	1088	3800	2712	29

TOTALS:	135939	262749	126810	52
TOTALS BY SPECIES				
ARROWTOOTH FLOUNDER	8342	32000	23658	26
DEEP WATER FLATFISH	4513	22000	17487	21
DEMERSAL SHELF ROCKFISH	208	470	262	44
OTHER ROCKFISH	11026	17700	6674	62
OTHER SPECIES	2787	14179	11392	20
PACIFIC COD	52183	90000	37817	58
PELAGIC ROCKFISH	477	8200	7723	6
POLLOCK	30793	38400	7607	80
SABLEFISH	22647	26000	3353	87
SHALLOW WATER FLATFISH	1875	10000	8125	19
THORNYHEADS	1088	3800	2712	29

NOTE: Daily landings reported by processors indicate the following for
Longline sablefish:
SEFY: 6,171 mt (108.6% of 5,680 mt quota)
Total 1990 apportionment for West/Central pollock is 70,000; 1+2Q
apportionment is shown in table.

NMFS/FISH MGT.

STATUS OF BSA PROHIBITED SPECIES CAPS PREL. DATA
 REPORT DATE: DAP CATCH THROUGH: 5/19(CRABS); 6/9(HLBT)
 21-Jun-90 JVP CATCH THROUGH: 05-Mar-90

***** FISHERY ***** PSC SPECIES *****

TYPE	TARGET	AREA	PROHIB SP	CATCH	QUOTA/CAP	REMAINDER
JVP	YF/FF/RS	ZONE 1	RED KING	161,816	50,000	(111,816)
JVP	OTHER	ZONE 1	RED KING	0	0	0
DAP	YF/FF/RS	ZONE 1	RED KING	75,229	138,600	63,371
DAP	OTHER	ZONE 1	RED KING	3,984	11,400	7,416
		ZONE 1	RED KING	241,029	200,000	(41,029)
JVP	YF/FF/RS	ZONE 1	C. BAIRDI	222,511	210,000	(12,511)
JVP	OTHER	ZONE 1	C. BAIRDI	0	0	0
DAP	YF/FF/RS	ZONE 1	C. BAIRDI	470,721	529,600	58,879
DAP	OTHER	ZONE 1	C. BAIRDI	362,390	260,400	(101,990)
		ZONE 1	C. BAIRDI	1,055,622	1,000,000	(55,622)
JVP	YF/FF/RS	ZONE 2	C. BAIRDI	827,647	1,000,000	172,353
JVP	OTHER	ZONE 2	C. BAIRDI	0	0	0
DAP	YF/FF/RS	ZONE 2	C. BAIRDI	23,009	110,000	86,991
DAP	OTHER	ZONE 2	C. BAIRDI	242,437	1,890,000	1,647,563
		ZONE 2	C. BAIRDI	1,093,093	3,000,000	1,906,907
JVP	YF/FF/RS	BSA	HALIBUT 1o	776	660	(116)
JVP	OTHER	BSA	HALIBUT 1o	0	0	0
DAP	YF/FF/RS	BSA	HALIBUT 1o	523	467	(56)
DAP	OTHER	BSA	HALIBUT 1o	3,816	3,273	(543)
		BSA	HALIBUT 1o	5,115	4,400	(715)
JVP	YF/FF/RS	BSA	HALIBUT 2o	776	800	24
JVP	OTHER	BSA	HALIBUT 2o	0	0	0
DAP	YF/FF/RS	BSA	HALIBUT 2o	523	567	44
DAP	OTHER	BSA	HALIBUT 2o	3,816	3,966	150
		BSA	HALIBUT 2o	5,115	5,333	218

22-Jun-90

NMFS/FISH MGT.

21-Jun-90

STATUS OF BSA PROHIBITED SPECIES QUOTAS
 DAP CATCH THROUGH: 5/19 (CRABS); 6/9 (HLBT)
 JVP CATCH THROUGH: 05-Mar-90

*****FISHERY ***** PSC SPECIES*****

TYPE	TARGET	AREA	PROHIB SP	CATCH	QUOTA	PERCENT TAKEN	CLOSURE
JVP	YF/FF/RS	ZONE 1	RED KING	161,816	50,000	324%	25-Jan
JVP	YF/FF/RS	ZONE 1	C. BAIRDI	222,511	210,000	106%	
JVP	YF/FF/RS	ZONE 2	C. BAIRDI	827,647	1,000,000	83%	1.
JVP	YF/FF/RS	BSA	HALIBUT 1o	776	660	118%	27-Feb
JVP	YF/FF/RS	BSA	HALIBUT 2o	776	800	97%	05-Mar 2.
JVP	OTHER	ZONE 1	RED KING	0	0	N/A	
JVP	OTHER	ZONE 1	C. BAIRDI	0	0	N/A	
JVP	OTHER	ZONE 2	C. BAIRDI	0	0	N/A	
JVP	OTHER	BSA	HALIBUT 1o	0	0	N/A	
JVP	OTHER	BSA	HALIBUT 2o	0	0	N/A	
DAP	YF/FF/RS	ZONE 1	RED KING	75,229	138,600	54%	
DAP	YF/FF/RS	ZONE 1	C. BAIRDI	470,721	529,600	89%	3.
DAP	YF/FF/RS	ZONE 2	C. BAIRDI	23,009	110,000	21%	
DAP	YF/FF/RS	BSA	HALIBUT 1o	523	467	112%	14-Mar
DAP	YF/FF/RS	BSA	HALIBUT 2o	523	567	92%	19-Mar 4.
DAP	OTHER	ZONE 1	RED KING	3,984	11,400	35%	
DAP	OTHER	ZONE 1	C. BAIRDI	362,390	260,400	139%	
DAP	OTHER	ZONE 2	C. BAIRDI	242,437	1,890,000	13%	
DAP	OTHER	BSA	HALIBUT 1o	3,816	3,273	117%	30-May
DAP	OTHER	BSA	HALIBUT 2o	3,816	3,966	96%	
DAP	OTHER	PT. MOL.	RED KING	7,351	12,000	61%	

1. quota decreased 3/1
2. catch as of 6/20
3. initially closed 2/27; reopened 3/1 with new quota
4. DAP YF/FF/RS halibut is a recent correction. Data are still under scrutiny. If significant balance remains, consideration may be given to reopening fishery outside of Zone 1 and 2H.

NMFS/AKR
PREP: 22-Jun-90

1990 BSAI DAP TRAWL FISHERIES
HALIBUT BYCATCH, FLATFISH TARGETS

PRIMARY QUOTA SECONDARY QUOTA
467 MT 567 MT

TARGET FLATFISH	WK HAL MT	CUM HAL MT	WK %	CUM %	WK %	CUM %
WEEK						
06-Jan	48	48	10%	10%	9%	9%
13-Jan	50	99	11%	21%	9%	17%
20-Jan	39	138	8%	30%	7%	24%
27-Jan	50	188	11%	40%	9%	33%
03-Feb	17	206	4%	44%	3%	36%
10-Feb	69	275	15%	59%	12%	48%
17-Feb	44	319	9%	68%	8%	56%
24-Feb	117	436	25%	93%	21%	77%
03-Mar	61	497	13%	106%	11%	88%
10-Mar	16	513	3%	110%	3%	91%
17-Mar	4	517	1%	111%	1%	91%
24-Mar	0	517	0%	111%	0%	91%
31-Mar	0	517	0%	111%	0%	91%
07-Apr	0	517	0%	111%	0%	91%
14-Apr	0	517	0%	111%	0%	91%
21-Apr	0	517	0%	111%	0%	91%
28-Apr	0	517	0%	111%	0%	91%
05-May	0	517	0%	111%	0%	91%
12-May	0	517	0%	111%	0%	91%
19-May	0	517	0%	111%	0%	91%
26-May	0	517	0%	111%	0%	91%
02-Jun	6	523	1%	112%	1%	92%
09-Jun	0	523	0%	112%	0%	92%
16-Jun	0	523	0%	112%	0%	92%
23-Jun	0	523	0%	112%	0%	92%
30-Jun	0	523	0%	112%	0%	92%

CURRENT STATUS

* Primary flatfish quota: BYCATCH as of 3/14
 ** Secondary flatfish quota: BYCATCH as of 3/19

CLOSURES APPLY TO ALL GEARS, (FLATS/Y SOL/RSOL) TARGETS
 * closes ZONES 1, 2H
 ** closes ALL BS/AI

NMFS/AK
 PR 22-Jun-90

1990 BSAI DAP TRAWL FISHERIES
 HALIBUT BYCATCH, "OTHER" TARGETS

TARGET "OTHER"	PRIMARY QUOTA 3,273 MT		SECONDARY QUOTA 3,966 MT			
	WK HAL MT	CUM HAL MT	WK %	CUM %	WK %	CUM %
WEEK						
06-Jan	110	110	3%	3%	3%	3%
13-Jan	121	231	4%	7%	3%	6%
20-Jan	376	608	11%	19%	9%	15%
27-Jan	195	803	6%	25%	5%	20%
03-Feb	257	1060	8%	32%	6%	27%
10-Feb	39	1098	1%	34%	1%	28%
17-Feb	78	1177	2%	36%	2%	30%
24-Feb	133	1309	4%	40%	3%	33%
03-Mar	303	1612	9%	49%	8%	41%
10-Mar	302	1914	9%	58%	8%	48%
17-Mar	289	2203	9%	67%	7%	56%
24-Mar	245	2448	7%	75%	6%	62%
31-Mar	170	2618	5%	80%	4%	66%
07-Apr	86	2704	3%	83%	2%	68%
14-Apr	279	2983	9%	91%	7%	75%
21-Apr	118	3102	4%	95%	3%	78%
28-Apr	82	3184	3%	97%	2%	80%
05-May	158	3342	5%	102%	4%	84%
12-May	201	3543	6%	108%	5%	89%
19-May	93	3637	3%	111%	2%	92%
26-May	93	3729	3%	114%	2%	94%
02-Jun	47	3777	1%	115%	1%	95%
09-Jun	30	3807	1%	116%	1%	96%
16-Jun	9	3816	0%	117%	0%	96%
23-Jun	0	3816	0%	117%	0%	96%
30-Jun	0	3816	0%	117%	0%	96%

CURRENT STATUS

* Primary "other" quota:
 ** Secondary "other" quota:

BYCATCH as of 5/30
 Est. closure 6/30

CLOSURES APPLY TO BOTTOM TRAWL GEAR, (POLLOCK/P. COD) TARGETS

* closes ZONES 1, 2H
 ** closes ALL BS/AI

NMFS/AKR
23-Jun-90

1990 GULF OF ALASKA FISHERIES
HALIBUT BYCATCH MORTALITY, 1+2 QUARTER

TRAWL QUOTA *
1200 mt mortality

HOOK & LINE QUOTA **
600 mt mortality

TARGET	WEEK	WK HAL MORT MT	WK %	CUM HAL MORT MT	CUM %	WK HAL MORT MT	WK %	CUM HAL MORT MT	CUM %
FLATFISH	06-Jan	2	0%	2	0%	0	0%	0	0%
	13-Jan	7	2%	9	1%	2	0%	2	0%
	20-Jan	5	1%	13	1%	4	1%	6	1%
	27-Jan	9	2%	23	2%	5	1%	11	2%
	03-Feb	13	3%	36	3%	3	0%	14	2%
	10-Feb	9	2%	45	4%	2	0%	16	3%
	17-Feb	20	4%	65	5%	4	1%	20	3%
	24-Feb	59	13%	124	10%	3	0%	23	4%
	03-Mar	27	6%	151	13%	7	1%	29	5%
	10-Mar	131	28%	282	23%	5	1%	34	6%
	17-Mar	113	24%	395	33%	5	1%	39	7%
	24-Mar	47	10%	441	37%	3	0%	42	7%
	31-Mar	138	29%	579	48%	2	0%	44	7%
	07-Apr	54	12%	633	53%	79	13%	123	20%
	14-Apr	52	11%	686	57%	243	41%	366	61%
	21-Apr	104	22%	790	66%	143	24%	509	85%
	28-Apr	102	22%	892	74%	184	31%	692	115%
	05-May	32	7%	924	77%	59	10%	751	125%
	12-May	49	10%	973	81%	31	5%	782	130%
	19-May	75	16%	1048	87%	74	12%	856	143%
	26-May	42	9%	1090	91%	11	2%	867	145%
	02-Jun	11	2%	1101	92%	5	1%	872	145%
	09-Jun	0	0%	1101	92%	1	0%	873	146%
	16-Jun	0	0%	1101	92%	0	0%	873	146%
	23-Jun	0	0%	1101	92%	0	0%	873	146%
	30-Jun	0	0%	1101	92%	0	0%	873	146%

CURRENT STATUS

* TRAWL	1+2 QTR	(1,200 MT):	-	No bottom trawling as of 5/29
1990		(2,000 MT):	-	Reopens with new quota July 1
** HOOK-&-LINE	1+2 QTR	(600 MT):	-	Closed as of 5/29
1990		(750 MT):	-	Closed through 12/31/90

NOTE: GEAR CLOSURES APPLY TO ALL GROUND FISH TARGETS

NMFS/AKR
23-Jun

GOA FISHERIES
HALIBUT BYCATCH MORTALITY (MT)

	TRW	LGL	POT	CUM TRW MORT	CUM LGL MORT	CUM POT MORT	TOT MORT ALL GEARS
06-Jan	2		0	2	0	0	2
13-Jan	7		0	9	2	0	11
20-Jan	5		0	13	6	0	19
27-Jan	9		0	23	11	0	34
03-Feb	13		0	36	14	0	50
10-Feb	9		0	45	16	0	61
17-Feb	20		0	65	20	0	85
24-Feb	59		0	124	23	0	146
03-Mar	27		0	151	29	0	181
10-Mar	131		0	282	34	1	317
17-Mar	113		0	395	39	1	435
24-Mar	47		0	441	42	1	485
31-Mar	138		0	579	44	1	625
07-Apr	54	79	0	633	123	2	758
14-Apr	52	243	0	686	366	2	1053
21-Apr	104	143	0	790	509	2	1301
28-Apr	102	184	0	892	692	2	1587
05-May	32	59	0	924	751	2	1677
12-May	49	31	0	973	782	3	1758
19-May	75	74	0	1048	856	3	1907
26-May	42	11	0	1090	867	4	1961
02-Jun	11	5	0	1101	872	4	1978
09-Jun	0	1	0	1101	873	4	1979
16-Jun	0	0	0	1101	873	4	1979
23-Jun	0	0	0	1101	873	4	1979
30-Jun	0	0	0	1101	873	4	1979
07-Jul	0	0	0	1101	873	4	1979
14-Jul	0	0	0	1101	873	4	1979
21-Jul	0	0	0	1101	873	4	1979
28-Jul	0	0	0	1101	873	4	1979
04-Aug	0	0	0	1101	873	4	1979
11-Aug	0	0	0	1101	873	4	1979
18-Aug	0	0	0	1101	873	4	1979
25-Aug	0	0	0	1101	873	4	1979
01-Sep	0	0	0	1101	873	4	1979

THRU 6/9: 1101 873 4

AVG MT LAST 3 WK: 55
PROJ. CLOSURE:

NMFS/AKR
22-Jun-90

1990 BSAI DAP TRAWL FISHERIES
HALIBUT BYCATCH (MT) BY AREA AND TARGET

TARGET

AREA	F	A	B	O	P	T	AREA SUM
511	366	0	23	341	7	3	739
512	0	0	0	4	0	0	4
513	0	0	20	57	9	0	86
514	0	0	0	0	0	0	0
515	2	4	18	1447	0	551	2038
516	109	0	0	5	0	0	115
517	37	0	22	889	4	166	1123
521	0	0	16	65	3	13	99
522	3	0	0	2	1	47	52
530	0	0	0	0	0	0	0
540	6	50	0	2	0	15	84
HLBT MT	523	54	100	2,811	23	794	4,339
% TOT	12%	1%	2%	65%	1%	18%	100%
GFSH MT	38,834	20,378	85,834	140,176	489,027	6,968	783,063
% TOT	5%	3%	11%	18%	62%	1%	100%

TARGETS:

- F = FLATS (FLAT/YSOL/RSOL)
- A = Atka Mackerel
- B = Pollock (bottom trawl)
- K = Rockfishes, incl. thornyheads
- O = Pacific cod
- P = Pollock (pelagic trawl)
- S = Sablefish
- T = Greenland turbot

NOTE: "K" AND "S" TARGET DATA ARE CONFIDENTIAL

NMFS/AKR
23-Jun-90

1990 GULF OF ALASKA TRAWL FISHERIES
HALIBUT MORTALITY (MT) BY AREA AND TARGET

TARGET

AREA	F	A	B	K	O	P	S	T	AREA SUM
WG				54	158		6		218
CG				358	160		33		770
EG				95	0		17		113
<hr/>									
TOT MORT				508	318		55		1,101
% TOT MORT				46%	29%		5%		100%
GF MT				16,620	46,290		1,833		106,523
% TOT GF				16%	43%		2%		100%

GETS:

F = FLATS (FLAT/YSOL/RSOL)
 A = Atka Mackerel
 B = Pollock (bottom trawl)
 K = Rockfishes, incl. thornyheads
 O = Pacific cod
 P = Pollock (pelagic trawl)
 S = Sablefish
 T = Greenland turbot

NOTE:

Data not shown are confidential.

NMFS/AKR
23-Jun-90

1990 GULF OF ALASKA HOOK & LINE FISHERIES
HALIBUT MORTALITY (MT) BY AREA AND TARGET

TARGET

AREA	F	A	B	K	O	P	S	T	AREA	SUM
WG					44		108			152
CG					25		399			424
EG					5		287			296
<hr/>										
TOT MORT					74		794			873
% TOT MORT					8%		91%			100%
GF MT					4,990		22,638			27,909
% TOT GF					18%		81%			100%

TARGETS:

F = FLATS (FLAT/Y SOL/RSOL)
A = Atka Mackerel
B = Pollock (bottom trawl)
K = Rockfishes, incl. thornyheads
O = Pacific cod
P = Pollock (pelagic trawl)
S = Sablefish
T = Greenland turbot

NOTE:

Data not shown are confidential.

NMFS/AKR
23-Jun

1990 GOA LONGLINE SABLEFISH
HALIBUT BYCATCH RATES (kg/mt groundfish)
calculated by week, gear, area, target

	61	62	621	631	63	64	68	65
06-Jan								
13-Jan								
20-Jan								
27-Jan								
03-Feb								
10-Feb								
17-Feb								
24-Feb								
03-Mar								
10-Mar								
17-Mar								
24-Mar								
31-Mar								
07-Apr	272	213			758	44		7
14-Apr	704	225			427	152		464
21-Apr	19	322			368	52		505
28-Apr	1157	891			402			
05-May	2	143			613			
12-May					210			
19-May	51	40			236			
26-May		20			13			
02-Jun	239	54			13			

NOTE: blank cells have no observer rates,
or rates are confidential

Sablefish closed in SEEY 4/20/90
Sablefish closed in WYAK 4/16/90

NMFS/AKR
23-Jun

NO. CHINOOK REPORTED BY OBSERVERS
IN DAP GROUND FISH FISHERIES
1990 THROUGH 6/9
BSA

I. BY GEAR, AREA

	511	512	513	514	515	516	517	521	522	540	GEAR TOTALS
BTR	690	0	250	0	160	2	2605	1611	89	40	5448
PTR	196	0	239	0	3437	0	1409	132	6	0	5420
LGL	0	0	0	0	0	0	2	1	0	0	4
POT	0	0	0	0	0	0	0	0	0	0	0
AREA TOTALS:	887	0	489	0	3,597	2	4,017	1,745	96	40	10,872

II. BY GEAR, TARGET

	F	A	B	K	O	P	S	T	GEAR TOTALS
BTR	231	45	668	0	4495	0	0	9	5448
PTR	0	0	27	0	12	5382	0	0	5420
LGL	0	0	0	0	4	0	0	0	4
POT	0	0	0	0	0	0	0	0	0
TARGET TOTALS:	231	45	694	0	4,510	5,382	0	9	10,872

III. BY TARGET, AREA

	511	512	513	514	515	516	517	521	522	540	TARGET TOTALS
F	172	0	0	0	6	2	30	22	0	0	231
A	0	0	0	0	8	0	0	0	0	37	45
B	156	0	163	0	0	0	206	169	0	0	694
K	0	0	0	0	0	0	0	0	0	0	0
O	364	0	97	0	142	0	2397	1421	89	0	4510
P	194	0	229	0	3435	0	1385	132	6	0	5382
S	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	6	0	0	0	0	3	9
AREA TOTALS:	887	0	489	0	3,597	2	4,017	1,745	96	40	10,872

TARGETS:

F = Flatfish
A = Atka mackerel
B = Pollock(bottom)
K = Rockfishes (including Thornyheads)
O = Pacific COD
P = Pollock(pelagic)
S = Sablefish
T = Greenland turbot

NMFS/AKR
23-Jun

NO. CHINOOK REPORTED BY OBSERVERS
IN DAP GROUND FISH FISHERIES
1990 THROUGH 6/9
GOA

I. BY GEAR, AREA

	610	620	621	631	630	640	680	650	GEAR TOTALS
BTR	149	4085	265	64	1362	64	10	8	6006
PTR	23	0	50	95	145	2	0	0	315
LGL	0	0	0	0	1	0	0	0	1
POT	0	0	0	0	0	0	0	0	0
AREA TOTALS:	172	4,085	314	159	1,508	66	10	8	6,322

II. BY GEAR, TARGET

	F	A	B	K	O	P	S	T	GEAR TOTALS
BTR	660	0	21	3571	1165	0	589	0	6006
PTR	0	0	0	2	0	312	0	0	315
LGL	0	0	0	0	0	0	1	0	1
POT	0	0	0	0	0	0	0	0	0
TARGET TOTALS:	660	0	21	3,573	1,165	312	591	0	6,322

III. BY TARGET, AREA

	610	620	621	631	630	640	680	650	TARGET TOTALS
F	0	410	0	0	233	17	0	0	660
A	0	0	0	0	0	0	0	0	0
B	0	0	0	0	21	0	0	0	21
K	8	3368	0	0	158	27	4	8	3573
O	141	176	265	64	514	0	6	0	1165
P	23	0	50	95	145	0	0	0	312
S	0	131	0	0	438	22	0	0	591
T	0	0	0	0	0	0	0	0	0
AREA TOTALS:	172	4,085	314	159	1,508	66	10	8	6,322

TARGETS:

F = Flatfish
A = Atka mackerel
B = Pollock(bottom)
K = Rockfishes (including Thornyheads)
O = Pacific COD
P = Pollock(pelagic)
S = Sablefish
T = Greenland turbot

NMFS/AKR
23-Jun

NO. SALMON (EXCL CHINOOK) REPORTED BY OBSERVERS
IN DAP GROUND FISH FISHERIES
1990 THROUGH 6/9
BSA

I. BY GEAR, AREA

	511	512	513	514	515	516	517	521	522	540	GEAR TOTALS
BTR	24	0	10	0	0	0	38	35	0	97	204
PTR	85	0	57	0	113	0	137	24	0	23	438
LGL	0	0	0	0	0	0	0	0	0	0	0
POT	0	0	0	0	0	0	0	0	0	0	0
AREA TOTALS:	109	0	66	0	113	0	175	59	0	120	642

II. BY GEAR, TARGET

	F	A	B	K	O	P	S	T	GEAR TOTALS
BTR	0	82	78	0	31	0	0	12	204
PTR	0	23	0	0	0	415	0	0	438
LGL	0	0	0	0	0	0	0	0	0
POT	0	0	0	0	0	0	0	0	0
TARGET TOTALS:	0	105	78	0	31	415	0	12	642

III. BY TARGET, AREA

	511	512	513	514	515	516	517	521	522	540	TARGET TOTALS
F	0	0	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	105	105
B	19	0	10	0	0	0	15	35	0	0	78
K	0	0	0	0	0	0	0	0	0	0	0
O	6	0	0	0	0	0	23	0	0	3	31
P	85	0	57	0	113	0	137	24	0	0	415
S	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	12	12
AREA TOTALS:	109	0	66	0	113	0	175	59	0	120	642

TARGETS:

- F = Flatfish
- A = Atka mackerel
- B = Pollock(bottom)
- K = Rockfishes (including Thornyheads)
- O = Pacific COD
- P = Pollock(pelagic)
- S = Sablefish
- T = Greenland turbot

NMFS/AKR
23-Jun

NO. SALMON (EXCL CHINOOK) REPORTED BY OBSERVERS
IN DAP GROUND FISH FISHERIES
1990 THROUGH 6/9
GOA

I. BY GEAR, AREA

	610	620	621	631	630	640	680	650	GEAR TOTALS
BTR	5	23	26	0	129	22	0	0	205
PTR	0	0	0	0	1	0	0	0	1
LGL	0	0	0	0	0	0	0	0	0
POT	0	0	0	0	0	0	0	0	0
AREA TOTALS:	5	23	26	0	130	22	0	0	206

II. BY GEAR, TARGET

	F	A	B	K	O	P	S	T	GEAR TOTALS
BTR	57	0	0	102	26	0	20	0	205
PTR	0	0	0	0	0	1	0	0	1
LGL	0	0	0	0	0	0	0	0	0
POT	0	0	0	0	0	0	0	0	0
GEAR TOTALS:	57	0	0	102	26	1	20	0	206

III. BY TARGET, AREA

	610	620	621	631	630	640	680	650	TARGET TOTALS
F	0	0	0	0	57	0	0	0	57
A	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0	0
K	5	23	0	0	67	7	0	0	102
O	0	0	26	0	0	0	0	0	26
P	0	0	0	0	1	0	0	0	1
S	0	0	0	0	4	15	0	0	20
T	0	0	0	0	0	0	0	0	0
AREA TOTALS:	5	23	26	0	130	22	0	0	206

TARGETS:

F = Flatfish
A = Atka mackerel
B = Pollock(bottom)
K = Rockfishes (including Thornyheads)
O = Pacific COD
P = Pollock(pelagic)
S = Sablefish
T = Greenland turbot

NMFS/AKR
23-Jun

MT HERRING REPORTED BY OBSERVERS
IN DAP GROUND FISH FISHERIES
1990 THROUGH 6/9

I. BY GEAR, AREA

	511	512	513	514	515	516	517	521	522	540	GEAR TOTALS
BTR	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
PTR	0.0	0.0	0.0	0.0	0.0	0.0	17.9	0.2	0.0	0.0	18.2
AREA TOTALS:	0.2	0.2	0.0	0.0	0.0	0.0	17.9	0.2	0.0	0.0	18.7

II. BY GEAR, TARGET

	F	O	B	P	GEAR TOTALS
BTR	0.0	0.3	0.1	0.0	0.5
PTR	0.0	0.0	0.0	18.2	18.2
TARGET TOTALS:	0.0	0.3	0.1	18.2	18.7

III. BY TARGET, AREA

	511	512	513	514	515	516	517	521	522	540	GEAR TOTALS
F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
O	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
B	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
P	0.0	0.0	0.0	0.0	0.0	0.0	17.9	0.2	0.0	0.0	18.2
TOTALS:	0.2	0.2	0.0	0.0	0.0	0.0	17.9	0.2	0.0	0.0	18.7

TARGETS:
 F = Flatfish
 O = Pacific cod
 B = Pollock (bottom)
 P = Pollock (pelagic)

**PORT
MOLLER FISHERY**
1986-1990

Groundfish
(metric tons)

1986
(10,325)
1987
(3,993)
1988
(5,552)
1989
(5,604)
1990
(1,245)

Herring
(metric tons)

1986
(179)
1987
(156)
1988
(561)
1989
(103)
1990
(0.2)

Halibut
(metric tons)

1986
(22)
1987
(n/α)
1988
(19)
1989
(25)
1990
(15)

**Bairdi
Crab**
(No.)

1986
(336)
1987
(1)
1988
(47)
1989
(5,225)
1990
(2,845)

**Red
King Crab**
(No.)

1986
(4,906)
1987
(233)
1988
(2,093)
1989
(13,940)
1990
(7,351)

**Tanner
Crab**
(No.)

1986
(56)
1987
(51)
1988
(n/α)
1989
(34)
1990
(5)

Vessels 1986-1990: 4, 6, 6, 8, 11