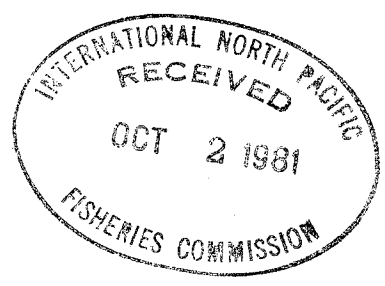


STATISTICS OF UNITED STATES CATCHES AND
EFFORT OF GROUND FISH SPECIES, SHRIMP AND
HERRING CAUGHT IN THE BERING SEA AND
N.E. PACIFIC--1979 (Preliminary)

by

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This document presents the available statistics of the U.S. catches and effort on groundfish, shrimp, and herring in the Bering Sea and Northeastern Pacific Region for 1979. The data are preliminary in nature since the states of Alaska, Washington, Oregon, and California are on different time schedules for the final reporting of their catch statistics. All the states are in the process of upgrading their data reporting systems and should be able to provide data on a more timely basis by next year's INPFC meeting. In the meantime, the 1979 statistics are reported in the following tables:

Tables 1-3 Bering Sea statistics

Tables 4-21 Northeast Pacific statistics

*National Marine Fisheries Service, Northwest and Alaska Fisheries Center,
Seattle, Washington 98112.

Table 1.--Number of vessels, by type, fishing for groundfish, shrimp and herring in the Bering Sea region, by country, 1979. (Preliminary)

Type of vessel	Number of vessels (U.S.A.)*
Gillnet	709
Longline	1
Trawl	13
Purse seine	228

*Herring and shrimp vessels only

Table 2.--Total catch of principal groundfish species, shrimp and herring in the Bering sea region, by country, in metric tons (round weight), 1979.

Species	Catch
Blackcod	0
Flatfish (other than halibut)	0
Halibut	826.00
Pacific cod	0.59
Pacific ocean perch	0
Pacific pollock	0
Other fishes	0.05
Total groundfish	826.64
Shrimp	1,603.37
Herring	11,332.03
Octopus and squid	0

Table 3.--United States fishing effort and catch (metric tons, round weight) of halibut, by area, in the Bering Sea region, 1979.

Area	Effort	
	1000s of skate	Catch
West of 170°E	-	-
170°E - 180°	-	-
180 - 170°W	1.8	108
East of 170°W	3.4	77
Aleutian	<u>15.0</u>	<u>641</u>
Total	20.2	826

Table 4.--Number of vessels, by type, fishing for groundfish, shrimp, and herring in the North Pacific region, by country, 1979.

Vessel type	Number of vessels (U.S.A.)
Gillnet	NA
Longline	NA
Purse seine	NA
Trawl	NA
Pots	NA
Shrimp	NA

Table 5.--Total catch of principal groundfish species, shrimp, and herring in the Northeast Pacific region, by country, in metric tons (round weight), 1979. (Preliminary)

Species	Catch (U.S.A.)
Blackcod	21,566
Flatfish (other than halibut)	31,777
Halibut	8,747
Pacific cod	5,729
Pacific hake	1,245
Pacific ocean perch	2,453
Pacific pollock	2,519
Rockfish (other than Pacific ocean perch)	34,282
Other fishes	13,169
Total groundfish	121,487
Shrimp	NA
Herring	NA

Table 6.--United States fishing effort, by gear, and catch (metric tons, round weight) of principal groundfish species (excluding halibut) by area, in the Northeast Pacific region, 1979. (Preliminary)

	Bering I	Chirikof	Kodiak	Yakutat	South- eastern	Charlotte	Vancouver	Columbia	Eureka	Monterey	Conception	Total
Effort/catch												
Effort												
Longline												
Stern trawl (hr)												
Troll and handline												
		NA	----->									
CATCH TOTAL	632	285	2,570	585	3,336	1,213	24,897	38,690	15,697	16,428	8,407	112,740
Black cod	0	0	54	517	2,035	17	1,231	8,357	2,088	3,089	4,177	21,566
Flatfish total	0	2	47	7	321	34	4,158	10,818	8,740	6,891	756	31,777
Dover sole	0	0	0	0	0	5	1,320	5,871	5,761	4,000	95	17,052
English sole	0	0	0	7	0	4	1,133	1,034	1,225	1,110	217	4,730
Petrale sole	0	0	1	0	0	8	417	1,236	461	601	184	2,911
Rock sole	0	0	0	0	0	9	166	83	0	0	0	257
Other flatfish	0	2	46	0	321	8	1,122	2,594	1,293	1,180	260	6,827
Lingcod	0	0	0	2	30	21	1,101	1,236	312	493	221	3,417
Pacific cod	585	267	606	27	84	95	3,403	657	0	0	0	5,729
Pacific hake	0	0	0	0	0	0	420	132	693	0	0	1,245
Rockfish total	22	0	106	29	195	1,041	5,730	16,892	3,816	5,805	3,098	36,734
Pacific ocean perch	0	0	99	5	0	192	944	1,168	43	1	0	2,452
Other rockfish	22	0	7	24	195	849	4,786	15,724	3,773	5,804	3,098	34,282
Other	25	16	1,753	3	666	5	5,093	591	46	150	155	8,506
Industrial	0	0	0	0	0	0	3,759	7	0	0	0	3,766

Table 7.--United States fishing effort, by gear, and catch (metric tons, round weight) of halibut, by area, in the Northeast Pacific region, 1979.

Area	Effort (1000s of skates)	Catch
Shumagin	1.6	34
Chirikof	8.7	191
Kodiak	79.3	3,639
Yakutat	37.7	2,221
Southeastern	54.2	2,634
Charlotte	-	-
Vancouver	0.6	19
Columbia	0.3	9
Eureka	-	-
Monterey	-	-
Conception	-	-
Total	182.4	8,747

Table 8.--United States catch^{1/} (metric tons, round weight) of shrimp^{2/}, by area, in the Northeast Pacific region, 1979.

Area	Catch in mt
Shumagin	} 22,398
Chirikof	
Kodiak	
Yakutat	} 448
Southeastern	
Charlotte	66
Vancouver ^{3/}	4,430
Columbia	13,225
Eureka	3,386
Monterey	328
Conception	
Total	44,281

1/ Detailed information concerning U.S. shrimp catches, effort, and gear are available from the Pacific Marine Fisheries Commission.

2/ Primarily Pandalus sp. in Alaskan waters and P. jordani elsewhere.

3/ In U.S. waters only.

Table 9.--United States fishing effort, by gear, and catch (metric tons, round weight) of herring, by area, in the Northeast Pacific region, 1979. (Preliminary)

Area	Effort				Catch
	Purse seine (Landings)	Gillnet (Set and drift Landings)	Pot and trap (Landings)	Otter and pair trawl (Landings)	
Shumagin	1	-	-	-	9.17
Chirikof	40	10	-	3	447.83
Kodiak	549	942	2	62	6,223.92
Yakutat	-	-	-	-	-
Southeastern	370	228	-	-	8,042.58
Charlotte	-	-	-	-	-
Vancouver	-	-	-	1	5.20
Columbia	-	-	-	4	3.50
Eureka	-	-	-	-	-
Monterey	NA	-	-	-	40.00
Conception	-	-	-	-	-
Total	NA	NA	NA		14,763.50

Table 10.--United States catch of herring by INPFC areas, all gears, 1979. (Preliminary)

Area	Catch in mt
Shumagin	9.17
Chirikof	447.83
Kodiak	6,467.20
Yakutat	-
Southeastern	8,070.39
Charlotte	-
Vancouver	5.20
Columbia	3.50
Eureka	-
Monterey	40.00
Conception	-
Total	15,034.59

Table 11.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Bering I in metric tons - March 29, 1981							
Species	Otter trawl	Shrimp trawl	Long- line	Pot + trap	Other gear	Rec	Grand total
English sole	0	0	0	0	0	0	0
Rock sole	0	0	0	0	0	0	0
Petrale sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Starry flounder	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Pacific cod	585	0	0	0	0	0	585
Ling cod	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Pacific ocean perch	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	22	0	22
Misc. species	25	0	0	0	0	0	25
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	0	0	0	0	0	0	0
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	610	0	0	0	22	0	632
Total trawl hours	NA						

Table 12.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Chirikof in metric tons - March 29, 1981							
Species	Otter trawl	Shrimp trawl	Long- line	Pot + trap	Other gear	Rec	Grand total
English sole	0	0	0	0	0	0	0
Rock sole	0	0	0	0	0	0	0
Petrable sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Starry flounder	0	0	0	0	0	0	0
Arrowtooth flounder	2	0	0	0	0	0	2
Other flatfish	0	0	0	0	0	0	0
Pacific cod	267	0	T0	0	0	0	267
Ling cod	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Pacific ocean perch	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Misc. species	6	0	0	0	0	0	6
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	10	0	0	0	0	0	10
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	284	0	T0	0	0	0	285
Total trawl hours	NA						

Table 13.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Kodiak in metric tons - March 29, 1981							
Species	Otter trawl	Shrimp trawl	Long- line	Pot + trap	Other gear	Rec	Grand total
English sole	T0	0	0	0	0	0	T0
Rock sole	T0	0	0	0	0	0	T0
Petrale sole	1	0	0	0	0	0	1
Dover sole	T0	0	0	0	0	0	T0
Rex sole	0	0	0	0	0	0	0
Starry flounder	10	0	0	0	0	0	10
Arrowtooth flounder	20	0	0	0	0	0	20
Other flatfish	16	0	0	0	0	0	16
Pacific cod	586	0	20	0	0	0	606
Ling cod	0	0	T0	0	T0	0	1
Sablefish	38	0	16	0	0	0	54
Pacific ocean perch	99	0	0	0	0	0	99
Other rockfish	4	0	1	0	2	0	7
Misc. species	237	0	10	1	0	0	248
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	1,506	0	0	0	0	0	1,506
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	2,518	0	48	1	2	0	2,570
Total trawl hours	NA						

Table 14.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Yakutat in metric tons - March 29, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line	Pot + trap	Other gear	Rec	
English sole	7	0	0	0	0	0	7
Rock sole	0	0	0	0	0	0	0
Petrale sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Starry flounder	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Pacific cod	T0	0	5	0	22	0	27
Ling cod	0	0	2	0	T0	0	2
Sablefish	2	0	440	75	0	0	517
Pacific ocean perch	5	0	0	0	0	0	5
Other rockfish	3	0	20	0	1	0	25
Misc. species	1	0	2	0	0	0	3
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	0	0	0	0	0	0	0
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	17	0	469	75	24	0	585
Total trawl hours	NA						

Table 15.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Southeastern in metric tons - March 29, 1981							
Species	Otter trawl	Shrimp trawl	Long- line	Pot + trap	Other gear	Rec	Grand total
English sole	0	0	0	0	0	0	0
Rock sole	0	0	0	0	0	0	0
Petrable sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Starry flounder	269	0	0	0	45	0	315
Arrowtooth flounder	6	0	0	0	1	0	7
Other flatfish	0	0	0	0	0	0	0
Pacific cod	9	0	41	0	34	0	85
Ling cod	0	0	15	0	15	0	30
Sablefish	10	0	1,881	144	0	0	2,036
Pacific ocean perch	0	0	0	0	0	0	0
Other rockfish	0	0	144	0	51	0	196
Misc. species	92	0	59	0	1	0	152
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	513	0	0	0	1	0	514
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	900	0	2,140	146	151	0	3,336
Total trawl hours	NA						

Table 16.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Charlotte in metric tons - March 29, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line	Pot + trap	Other gear	Rec	
English sole	4	0	0	0	0	0	4
Rock sole	9	0	0	0	0	0	9
Petrable sole	8	0	0	0	0	0	8
Dover sole	5	0	0	0	0	0	5
Rex sole	0	0	0	0	0	0	0
Starry flounder	0	0	0	0	0	0	0
Arrowtooth flounder	8	0	0	0	0	0	8
Other flatfish	0	0	0	0	0	0	0
Pacific cod	95	0	0	0	0	0	95
Ling cod	21	0	0	0	0	0	21
Sablefish	5	0	12	0	0	0	17
Pacific ocean perch	192	0	0	0	0	0	192
Other rockfish	848	0	1	0	0	0	849
Misc. species	0	0	0	0	0	0	0
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	5	0	0	0	0	0	5
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	1,200	0	13	0	0	0	1,213
Total trawl hours	1,991						

Table 17.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Vancouver in metric tons - March 29, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line	Pot + trap	Other gear	Rec	
English sole	1,131	T0	0	0	2	0	1,133
Rock sole	151	0	T0	0	15	0	166
Petrable sole	416	1	T0	0	T0	0	418
Dover sole	1,314	6	T0	0	T0	0	1,320
Rex sole	68	1	0	0	0	0	69
Starry flounder	506	0	T0	0	T0	0	507
Arrowtooth flounder	315	0	0	0	0	0	315
Other flatfish	228	4	0	0	T0	0	232
Pacific cod	3,215	10	6	T0	172	0	3,404
Ling cod	909	28	27	0	137	0	1,101
Sablefish	577	28	584	36	6	0	1,230
Pacific ocean perch	943	T0	1	0	0	0	944
Other rockfish	4,185	394	55	T0	152	0	4,786
Misc. species	55	0	0	0	0	0	55
Dogfish	1,027	2	1,681	0	1,149	0	3,859
Pacific hake	420	0	T0	0	T0	0	420
Pollock	479	0	0	0	T0	0	480
Animal food	700	0	0	0	0	0	700
Reduction	3,759	0	0	0	0	0	3,759
Total	20,399	474	2,354	36	1,634	0	24,897
Total trawl hours	49,932						

Table 18.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Columbia in metric tons - March 29, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line	Pot + trap	Other gear	Rec	
English sole	1,026	2	1	5	0	0	1,034
Rock sole	78	3	2	0	0	0	82
Petrable sole	1,231	5	1	1	T0	0	1,239
Dover sole	5,828	41	T0	2	0	0	5,872
Rex sole	1,038	10	0	0	0	0	1,048
Starry flounder	327	8	0	0	0	5	340
Arrowtooth flounder	526	5	0	0	0	0	531
Other flatfish	665	10	T0	5	0	0	680
Pacific cod	640	15	2	0	0	0	658
Ling cod	1,086	68	24	8	50	68	1,303
Sablefish	1,696	85	2,489	4,084	3	0	8,357
Pacific ocean perch	1,072	93	2	1	0	0	1,168
Other rockfish	13,848	1,244	233	66	333	269	15,993
Misc. species	227	T0	10	4	T0	26	268
Dogfish	341	0	3	0	0	0	344
Pacific hake	132	0	0	0	0	0	132
Pollock	4	0	0	0	0	0	4
Animal food	0	0	0	0	0	0	0
Reduction	7	0	0	0	0	0	7
Total	29,772	1,588	2,768	4,176	386	368	39,058
Total trawl hours	72,195						

Table 19.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Eureka in metric tons - April 8, 1981						Grand total
	Otter trawl	Shrimp trawl ^{1/}	Long-line	Pot + trap	Other gear	Rec	
English sole	1,225	T0	0	T0	0	0	1,225
Rock sole	0	0	0	0	0	0	0
Petrale sole	461	0	0	T0	0	0	461
Dover sole	5,760	1	0	0	0	0	5,761
Rex sole	45	0	0	0	0	0	45
Starry flounder	17	0	0	0	0	0	17
Arrowtooth flounder	11	0	0	0	0	0	11
Other flatfish	1,215	0	0	3	2	1	1,221
Pacific cod	0	0	0	0	0	0	0
Ling cod	216	5	1	4	90	27	343
Sablefish	1,045	1	212	635	195	0	2,088
Pacific ocean perch	42	1	0	0	0	0	43
Other rockfish	3,347	88	13	0	325	287	4,060
Misc. species	46	T0	0	0	0	5	51
Dogfish	0	0	0	0	T0	0	0
Pacific hake	639	0	0	0	0	0	639
Pollock	0	0	0	0	0	0	0
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	14,069	95	226	642	612	320	15,965
Total trawl hours	NA						

^{1/} California catch not available.

Table 20.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Monterey in metric tons - April 8, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line ^{1/}	Pot + trap	Other gear	Rec	
English sole	1,110	NA	0	0	0	0	1,110
Rock sole	0	NA	0	0	0	0	0
Petrale sole	601	NA	0	0	0	0	601
Dover sole	4,000	NA	0	0	0	0	4,000
Rex sole	0	NA	0	0	0	0	0
Starry flounder	0	NA	0	0	0	0	0
Arrowtooth flounder	0	NA	0	0	0	0	0
Other flatfish	1,150	NA	0	0	30	25	1,205
Pacific cod	0	NA	0	0	0	0	0
Ling cod	388	NA	0	0	105	225	718
Sablefish	1,202	NA	0	1,887	0	0	3,089
Pacific ocean perch	1	NA	0	0	0	0	1
Other rockfish	4,500	NA	0	0	1,304	1,114	6,918
Misc. species	150	NA	0	0	0	0	150
Dogfish	0	NA	0	0	0	0	0
Pacific hake	0	NA	0	0	0	0	0
Pollock	0	NA	0	0	0	0	0
Animal food	0	NA	0	0	0	0	0
Reduction	0	NA	0	0	0	0	0
Total	13,102	NA	0	1,887	1,439	1,364	17,792
Total trawl hours	NA						

^{1/} Included in other gear.

Table 21.--Groundfish landings by INPFC area by gear, 1979. (Preliminary)

Species	Conception in metric tons - April 8, 1981						Grand total
	Otter trawl	Shrimp trawl	Long-line ^{1/}	Pot + trap	Other gear	Rec	
English sole	208	9	0	0	0	0	217
Rock sole	0	0	0	0	0	0	0
Petrale sole	181	3	0	0	0	0	184
Dover sole	95	0	0	0	0	0	95
Rex sole	0	0	0	0	0	0	0
Starry flounder	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	0	0	0	0
Other flatfish	110	0	0	0	150	60	320
Pacific cod	0	0	0	0	0	0	0
Ling cod	136	0	0	0	85	90	311
Sablefish	68	0	0	4,109	0	0	4,177
Pacific ocean perch	0	0	0	0	0	0	0
Other rockfish	1,957	20	0	0	1,121	1,459	4,557
Misc. species	150	5	0	0	0	0	155
Dogfish	0	0	0	0	0	0	0
Pacific hake	0	0	0	0	0	0	0
Pollock	0	0	0	0	0	0	0
Animal food	0	0	0	0	0	0	0
Reduction	0	0	0	0	0	0	0
Total	2,905	37	0	4,109	1,356	1,609	10,016
Total trawl hours	NA						

^{1/} Included in other gear.