
BERING SEA AND ALEUTIAN ISLANDS (Continued)

TAIWAN

SPECIES	WEEK ENDING 6/10/1978	CATCH TO DATE	FCMA 1978 ALLOCATION	PERCENT TAKEN
SQUID	0.0	1.3	10	13.0
YELLOWFIN SOLE	0.0	0.7	50	1.4
FLOUNDER	0.0	3.0	50	6.0
POLLOCK	0.0	836.5	5000	16.7
PACIFIC COD	0.0	9.6	50	19.2
ATKA MACKEREL	0.0	0.3	100	0.3
HERRING	0.0	0.0	10	0.0
SNAILS	0.0	0.0	0	0.0

TOTAL FOREIGN EFFORT

SPECIES	CATCH THIS PERIOD	CATCH TO DATE	FCMA 1978 ALLOCATION	PERCENT TAKEN
SQUID	184.0	3104.4	10000	31.0
YELLOWFIN SOLE	132.9	11881.9	106000	11.2
FLOUNDER	1777.7	33017.2	139000	23.8
POLLOCK	20562.1	266453.3	950000	28.0
PACIFIC COD	813.8	11500.6	56500	20.4
ATKA MACKEREL	46.7	20815.3	24800	83.9
HERRING	0.0	3789.3	8670	43.7
SNAILS	97.0	235.1	3000	7.8

GULF OF ALASKA (Continued)

SOUTH KOREA

SPECIES	WEEK ENDING 6/10/1978	CATCH TO DATE	FCMA 1978 ALLOCATION	PERCENT TAKEN
SQUID	0.1	0.4	20	2.0
FLOUNDER	1.1	3.8	100	3.8
POLLOCK	61.7	1521.9	19870	7.7
PACIFIC COD	0.1	1.6	100	1.6
SABLEFISH	30.0	44.6	800	5.6
ATKA MACKEREL	0.0	1.0	100	1.0
PACIFIC PERCH	2.1	41.2	3203	1.3
ROCKFISH	0.0	4.1	675	0.6
OTHER SPECIES	0.0	0.3	1535	0.0

SOVIET UNION

SPECIES	WEEK ENDING 6/10/1978	CATCH TO DATE	FCMA 1978 ALLOCATION	PERCENT TAKEN
SQUID	0.0	0.0	50	0.0
FLOUNDER	44.0	104.0	1500	6.9
POLLOCK	3610.0	39830.6	44770	89.0
PACIFIC COD	34.0	1083.7	2330	46.5
SABLEFISH	0.0	4.0	100	4.0
ATKA MACKEREL	0.0	17511.0	21570	81.2
PACIFIC PERCH	20.0	529.1	7225	7.3
ROCKFISH	0.0	0.0	1535	0.0
OTHER SPECIES	0.0	218.0	5000	4.4

TOTAL FOREIGN EFFORT

SPECIES	CATCH THIS PERIOD	CATCH TO DATE	FCMA 1978 ALLOCATION	PERCENT TAKEN
SQUID	0.4	2.1	855	0.2
FLOUNDER	494.5	5039.2	17600	28.6
POLLOCK	4786.3	48925.3	107340	45.6
PACIFIC COD	344.3	2326.5	12980	17.9
SABLEFISH	96.1	2554.6	8000	31.9
ATKA MACKEREL	41.9	17758.0	24800	71.6
PACIFIC PERCH	116.8	2097.9	17304	12.1
ROCKFISH	19.9	259.1	4079	6.4
OTHER SPECIES	112.2	1015.7	12960	7.8

#7
June 78

NMFS
MGT. OPS. Branch
Alaska Region

JAPANESE BERING SEA TANNER CRAB FISHERY 1/

I. 1978 catch through June 17 (Metric Tons):

	<u>Opilio</u>	<u>Bairdi</u>	<u>Hybrid</u>	<u>Total</u>
Factory ships <u>2/</u>	6,396.42 (84.9%)	889.02 (11.8%)	248.62 (3.3%)	7,534.09
Independent vessels <u>3/</u>	885.71 (71.1%)	280.04 (22.4%)	80.86 (6.4%)	1,246.57
Total	7,282.13 (82.9%)	1,169.06 (13.3%)	329.48 (3.8%)	8,780.67

II. Percent 1978 Quota 4/ Taken as of June 17:

Factory ships-----	50.2%
Independent vessels-----	8.3%
Total-----	58.5%

III. Comparison of 1977 & 1978 Catches (Metric Tons):

Factory ships 5/ (first 98 days of fishing)

1977 catch (March 9-June 14)-----	6,980.04
1978 catch (March 12-June 17)-----	7,534.09

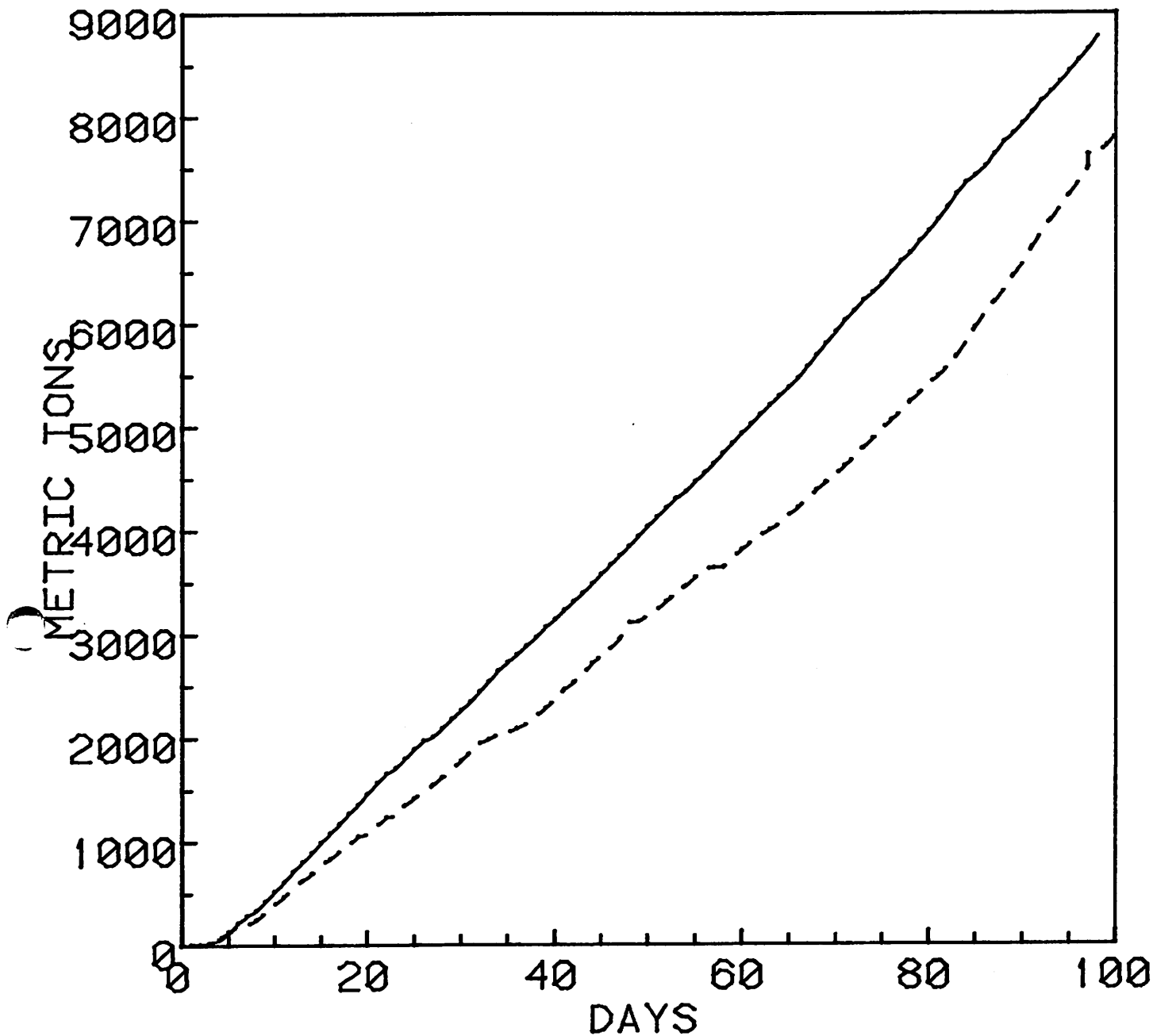
Independent vessels 6/ (first 33 days of fishing)

1977 catch (May 30-July 1)-----	1,530.93
1978 catch (May 16-June 17)-----	1,246.57

- 1/ Preliminary based on NMFS observer reports.
- 2/ Two factory ships each accompanied by 6 catcher vessels.
- 3/ Up to 11 vessels.
- 4/ 1978 Quota is 15,000 metric tons.
- 5/ Two factory ships each accompanied by 6 catcher vessels in 1977 and in 1978.
- 6/ Up to 11 vessels in 1977 and 1978.

JAPANESE TANNER CRAB

1977=DASHED 1978=SOLID.



COMPARISON 1977 AND 1978

FOREIGN TANNER CRAB CATCH REPORT JUN-19-1978 PAGE 1

NMFS MANAGEMENT OPERATIONS BRANCH, JUNEAU AK.

11 INDEPENDENT VESSELS

DATE	DAILY CATCH(M.T.)				ACCUMULATIVE CATCH(M.T.)				
	TOTAL	OPILIO	BAIRDI	HYBRID	TOTAL	OPILIO	BAIRDI	HYBRID	
6/11/78	47.33	33.97	9.17	4.29	973.33	678.46	222.32	72.57	
6/12/78	39.33	29.16	8.96	1.20	1012.65	707.62	231.28	73.77	
6/13/78	40.50	28.28	11.43	.79	1053.15	735.90	242.71	74.57	
6/14/78	44.95	33.65	10.06	1.24	1098.10	769.55	252.78	75.81	
6/15/78	51.09	40.33	9.40	1.35	1149.19	809.87	262.18	77.16	
6/16/78	47.79	37.61	7.49	2.69	1196.97	847.48	269.67	79.85	
6/17/78	49.60	38.23	10.36	1.01	1246.57	885.71	280.04	80.86	
PERIOD MEAN	45.80	M.T./DAY		75.2%	OPILIO	20.9%	BAIRDI	3.9%	HYBRID
SEASON MEAN	37.85	M.T./DAY		71.1%	OPILIO	22.4%	BAIRDI	6.4%	HYBRID

FOREIGN TANNER CRAB CATCH REPORT JUN-19-1978 PAGE 2

NMFS MANAGEMENT OPERATIONS BRANCH, JUNEAU AK.

KOYO MARU

DATE	DAILY CATCH(M.T.)				ACCUMULATIVE CATCH(M.T.)				
	TOTAL	OPILIO	BAIRDI	HYBRID	TOTAL	OPILIO	BAIRDI	HYBRID	
6/11/78	29.93	26.71	1.22	2.00	3891.77	3331.96	470.54	89.27	
6/12/78	27.48	26.01	1.07	.40	3919.25	3357.97	471.61	89.67	
6/13/78	32.30	32.01	.00	.29	3951.55	3389.97	471.61	89.96	
6/14/78	30.83	28.95	1.61	.27	3982.38	3418.93	473.22	90.23	
6/15/78	22.95	22.31	.39	.16	4005.23	3441.23	473.60	90.39	
6/16/78	31.55	27.31	3.62	.62	4036.78	3468.55	477.23	91.00	
6/17/78	51.95	46.78	2.97	2.21	4088.73	3515.32	480.19	93.21	
PERIOD MEAN	32.41	M.T./DAY		92.6%	OPILIO	4.3%	BAIRDI	2.6%	HYBRID
SEASON MEAN	41.41	M.T./DAY		86.1%	OPILIO	11.6%	BAIRDI	2.3%	HYBRID

FOREIGN TANNER CRAB CATCH REPORT JUN-19-1978 PAGE 3

NMFS MANAGEMENT OPERATIONS BRANCH, JUNEAU AK.

KEIKO MARU

DATE	DAILY CATCH(M.T.)				ACCUMULATIVE CATCH(M.T.)					
	TOTAL	OPILIO	BAIRDI	HYBRID	TOTAL	OPILIO	BAIRDI	HYBRID		
6/11/78	36.20	31.31	3.69	1.21	3285.55	2744.48	339.20	147.44		
6/12/78	24.91	21.90	2.72	.29	3310.46	2766.38	391.92	147.72		
6/13/78	18.74	16.23	1.60	.91	3329.20	2782.61	393.52	148.63		
6/14/78	32.89	28.68	2.26	1.95	3362.09	2811.29	395.78	150.59		
6/15/78	27.56	25.13	1.67	.76	3389.65	2836.42	397.45	151.35		
6/16/78	26.06	22.75	2.17	1.14	3415.71	2859.18	399.62	152.49		
6/17/78	29.65	24.60	4.03	1.02	3445.36	2883.78	403.65	153.51		
PERIOD MEAN	28.00	M.T./DAY			87.0%	OPILIO	9.2%	BAIRDI	3.7%	HYBRID
SEASON MEAN	34.98	M.T./DAY			83.7%	OPILIO	11.7%	BAIRDI	4.5%	HYBRID

FOREIGN TANNER CRAB CATCH REPORT JUN-19-1978 PAGE 4

NMFS MANAGEMENT OPERATIONS BRANCH, JUNEAU AK.

PERCENTAGE OF QUOTA(15,000 M.T.) CAUGHT

DATE	OPILIO	BAIRDI	HYBRID	DAILY ACCUMULATIVE		% OF QUOTA			
				TOTAL	TOTAL				
6/11/78	91.99	14.07	7.49	113.46	3150.65	54.3			
6/12/78	77.08	12.75	1.89	91.72	3242.36	54.9			
6/13/78	76.51	13.02	2.00	91.54	3333.90	55.6			
6/14/78	91.28	13.93	3.46	108.67	3442.57	56.3			
6/15/78	87.76	11.46	2.27	101.50	3544.07	57.0			
6/16/78	87.67	13.28	4.44	105.40	3649.46	57.7			
6/17/78	109.61	17.35	4.24	131.20	3780.67	58.5			
PERIOD MEAN	106.21	M.T./DAY		83.6%	OPILIO	12.9%	BAIRDI	3.5%	HYBRID
SEASON MEAN	89.26	M.T./DAY		83.0%	OPILIO	13.2%	BAIRDI	3.7%	HYBRID

JUNE 1978

ALASKA DEPARTMENT OF FISH AND GAME STATUS REPORT
OF THE 1977-78 DOMESTIC TANNER CRAB FISHERY IN THE BERING SEA
TO THE NORTH PACIFIC FISHERIES MANAGEMENT COUNCIL

June 20, 1978

The Tanner crab season opened on November 1 however, fishing did not commence until after the king crab season ended on December 8, 1977. The November-December catch has always been minor compared with the total seasonal catch. In the months of November and December 421,014 pounds were landed by 38 vessels.

The U.S. fishing industry has increased its catching ability of Tanner crab this season by increasing the number of vessels, offering a higher price and buying crab earlier this season than last season. In 1977, during the months of January and February, 18 vessels landed 962,981 pounds, compared with 46 vessels in 1978 which landed 7,720,966 pounds.

1978 Fishery

In January the fleet has concentrated its effort in the Southeastern district north and east of Unimak Island, the catch was 1,808,611 pounds and the CPUE averaged 84 crab per pot, with an average weight of 2.5 pounds. During January the Pribilof Island catch was 315,365 pounds, and the CPUE averaged 14 crab per pot with an average weight of 2.6 pounds per crab.

The February catch was 7,720,966 pounds landed by 46 vessels with CPUE averaging 62 crab per pot. The Southeastern district accounted for 79 percent of the February catch or 6,089,066 pounds with CPUE of 66. The Pribilof district catch was 1,631,930 pounds with a CPUE of 49. Currently the price of Tanner crab in the Bering Sea is .38 cents per pound.

In March, 68 vessels made landings, an increase of 24 vessels over February. Fishing effort was still concentrated north of Unimak Pass along the Alaska Peninsula. However, the fleet was expanding north and west. The March catch was

2,760,618 pounds from the Pribilof district with a CPUE of 71 and an average weight of 2.5 pounds. In the Southeastern district 12,573,395 pounds was landed with a CPUE of 65 and an average weight per crab of 2.4 pounds.

April was the peak catch month in the 1978 fishery, compared with May in 1977. The total catch was 21,222,714 pounds from the Bering Sea. This poundage was landed by 102 vessels. The catch in the Pribilof district was 4,244,113 pounds with a CPUE of 49 and an average weight of 2.5 pounds. In the Southeastern district 16,978,601 pounds were landed for a CPUE of 57 and an average weight of 2.5 pounds. Fishing effort was expanded into the fringe population areas as CPUE dropped in the traditional fishing grounds. The CPUE effort dropped from March to April from 66 crab per pot to 50.

In May 105 vessels harvested 15,863,354 pounds, a decrease of 5,359,360 pounds from April and as could be expected the CPUE dropped from 50 in April to 42 in May. During the latter part of May many vessels began curtailing fishing operations because of the decrease in crab per pot. These vessels had began fishing in January and had put in many thousands of pounds of crab. The lower catch per pot in May was not economically attractive enough for them to continue fishing. With the low catch per unit effort on C. bairdi some vessels turned their effort toward C. opilio. In May 11 vessels delivered 436,846 pounds of C. opilio. They were paid .30 cents per pound and the few processors buying C. opilio imposed a four inch size limit.

The first week in June some vessels began experiencing some deadloss problem. The Department has documented 217,079 pounds for the 1978 season.

The fishing in June involved primarily small poundages being landed by the vessels as they were moving pots off the grounds to water or onshore storage areas. The catch of 3,687,466 pounds in June was landed by 52 vessels making 72 landings with a CPUE of 84. The increase in CPUE in June is attributed to the removal of gear by those vessels who ceased fishing in May. The season for C. bairdi closed

on June 15. The preliminary catch figures for the 1978 Bering Sea Tanner fishery are 66,296,780 million pounds of C. bairdi landed by 119 vessels for a CPUE of 50.

To date one million pounds of C. opilio has been landed by 15 vessels. Of these vessels only five have targeted on C. opilio while the others have fished both species in combination. The CPUE of 76 is therefore, not an accurate estimate for C. opilio as many C. bairdi were retained from the same pot.

The demand for C. opilio is not yet evident as only a few processors were willing to buy at .30 cents per pound. The processors imposed a four inch size limit on the vessels who averaged 76 crab per pot with an average weight of 1.39 pounds. The Department expects the C. opilio fishery that is still in progress to end this month as vessels start experiencing deadloss problems. Those vessels still fishing C. opilio in June will undoubtedly shift their effort to the more lucrative blue king crab fishery starting July 15 near St. Matthew.

Summary

The 1978 C. bairdi catch of 66.2 million pounds was the largest harvest by the U.S. fleet. One hundred nineteen vessels fished pulling 528,584 pots for a CPUE of 50 and an average weight of 2.53 pounds and mean carapace width of 153.6 mm. The 1978 catch fell within the harvest range of 64-89 million pounds recommended by ADF&G and approved by the Council.

The C. bairdi were worth .38 cents per pound to the fishermen or the catch was worth to the combined fishing fleet \$25 million. 1978 marks the first attempt by U.S. fishermen and processors to harvest and process C. opilio. To date 1,000,000 pounds have been landed worth 30 cents per pound or \$300,000.

Bering Sea 1977-78 Preliminary Catch by Statistical Area
C. bairdi Southeastern District

Source: ADF&G Regional Office

<u>Stat Area</u>	<u>No. Crab</u>	<u>Pounds</u>	<u>Pot Lifts</u>	<u>Avg. Wt.</u>	<u>CPUE</u>
311-10	62,577	135,885	1,237	2.17	51
311-20	2,017,417	5,100,705	35,931	2.53	56
311-31	320,887	790,821	3,625	2.39	53
311-51	1,127,044	2,767,264	20,506	2.46	55
311-52	18,091	46,315	250	2.56	72
350-12	19,025	44,100	600	2.32	32
350-15	388,792	998,758	5,920	2.57	66
350-23	34,110	86,860	1,000	2.55	34
350-24	305,288	772,898	6,155	2.53	50
350-25	2,619,672	6,809,813	49,864	2.60	53
350-31	461,200	1,143,421	9,648	2.48	48
350-32	186,496	463,537	4,969	2.49	38
350-33	432,128	1,094,389	12,936	2.53	33
350-34	886,823	2,292,005	22,136	2.58	40
350-35	1,202,707	3,100,953	27,445	2.58	44
350-41	423,511	1,091,982	9,289	2.58	46
350-42	2,521,165	6,282,934	50,766	2.49	50
350-43	4,365,248	11,080,910	80,638	2.54	54
350-44	335,368	872,978	6,271	2.60	53
350-51	302,015	735,448	10,720	2.44	28
350-52	2,617,706	6,493,096	46,657	2.48	56
351-22	6,000	14,430	800	2.41	8
351-31	152,889	385,674	3,300	2.35	46
351-41	14,380	33,214	429	2.31	34
351-42	14,380	33,214	439	2.31	33
Total	21,034,018	53,149,032	419,064	2.53	50

C. bairdi Pribilof District

351-13	79,720	204,355	1,862	2.56	43
351-14	83,992	217,661	2,379	2.59	35
351-15	317,896	812,381	11,131	2.56	29
351-16	141,875	359,702	2,734	2.54	52
351-23	65,335	164,188	1,350	2.51	48
351-24	3,531,690	8,958,110	71,059	2.54	50
351-25	878,484	2,167,981	16,919	2.47	52
351-34	76,975	195,360	1,736	2.54	44
351-35	26,846	68,010	350	2.53	77
Total	5,202,813	13,147,748	109,520	2.53	48
TOTAL	26,236,831	66,296,780	528,584	2.53	50

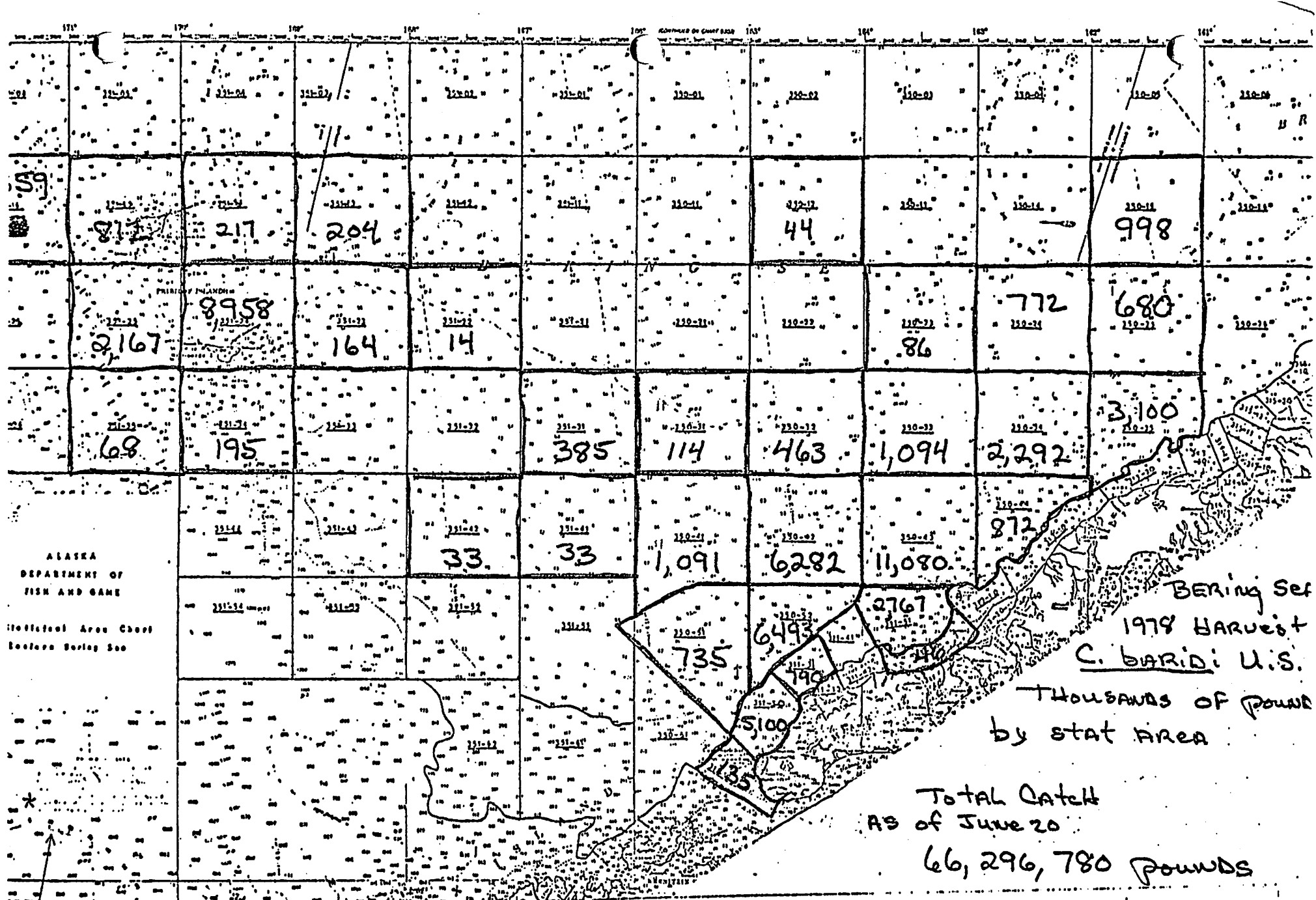
Bering Sea 1977-78 Preliminary Catch by Statistical Area
C. opilio Southeastern District

Source: ADF&G Regional Office

<u>Stat Area</u>	<u>No. Crab</u>	<u>Pounds</u>	<u>Pot Lifts</u>	<u>Avg. Wt.</u>	<u>CPUE</u>
350-22	5,003	7,055	650	1.41	8
350-25	5,665	7,615	300	1.34	19
350-31	8,563	13,140	350	1.53	24
350-32	22,100	30,625	450	1.39	49
350-34	2,426	3,300	313	1.36	8
350-35	9,140	13,670	61	1.18	190
350-42	308,235	420,865	4,616	1.37	67
350-51	12,650	20,101	80	1.59	158
350-52	21,750	31,290	210	1.44	104
Total	<u>395,532</u>	<u>547,661</u>	<u>7,030</u>	<u>1.38</u>	<u>56</u>

C. opilio Pribilof District

351-24	316,097	435,955	2,264	1.38	140
351-25	27,052	44,170	475	1.63	57
Total	<u>343,149</u>	<u>480,125</u>	<u>2,739</u>	<u>1.40</u>	<u>125</u>
TOTAL	<u>738,681</u>	<u>1,027,786</u>	<u>9,769</u>	<u>1.39</u>	<u>76</u>



ALASKA
DEPARTMENT OF
FISH AND GAME

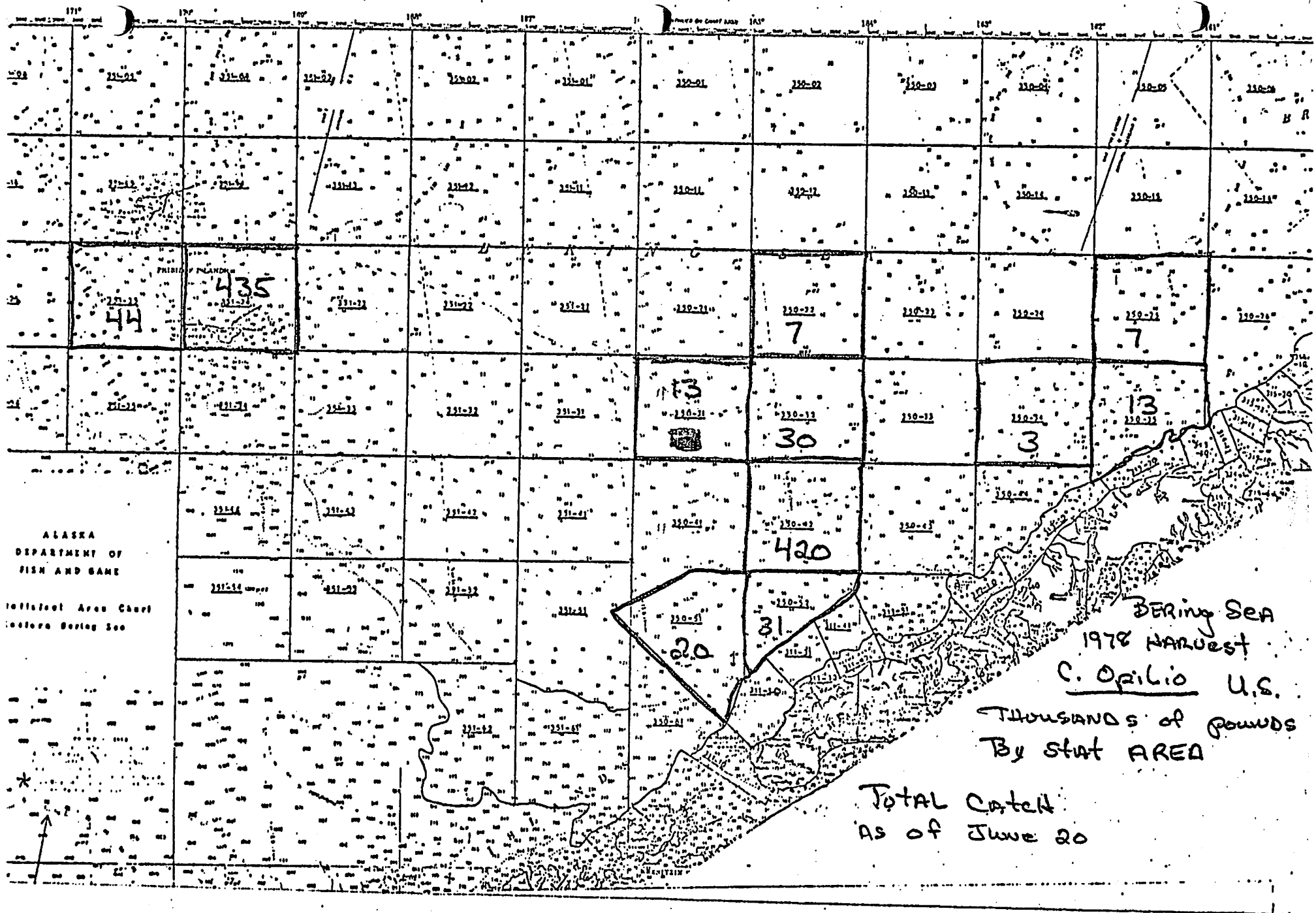
Bering Sea
Eastern Bering Sea

BERING SEA
1978 HARVEST
C. BARIDI U.S.

THOUSANDS OF POUNDS
BY STAT AREA

Total Catch
AS of June 20
66,296,780 POUNDS

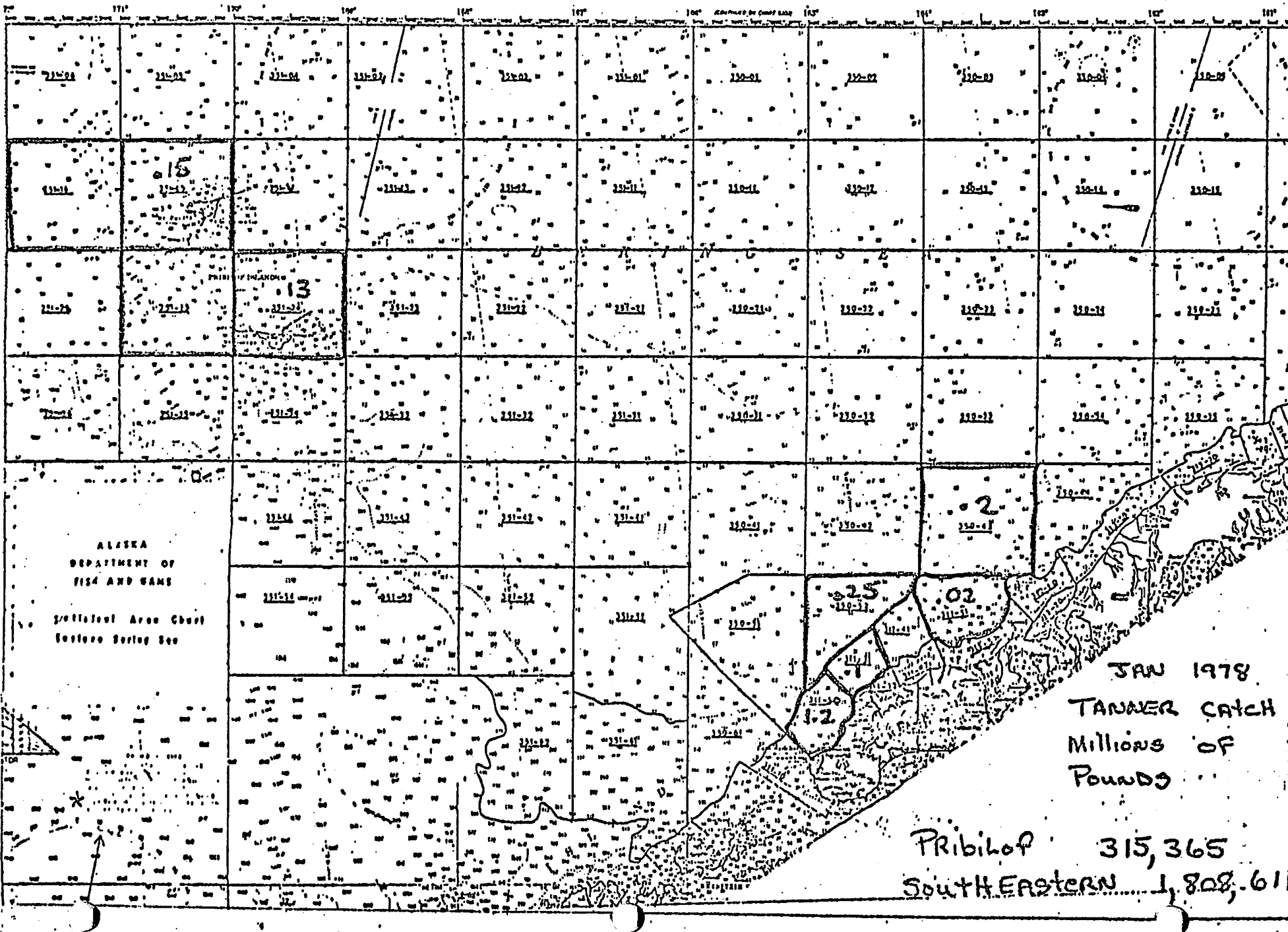
BAFG
Source Westward Regional
Office



ALASKA
DEPARTMENT OF
FISH AND GAME
Inshore Area Chart
October 1978

BERING SEA
1978 HARVEST
C. Opilio U.S.
THOUSANDS OF POUNDS
By STAT AREA

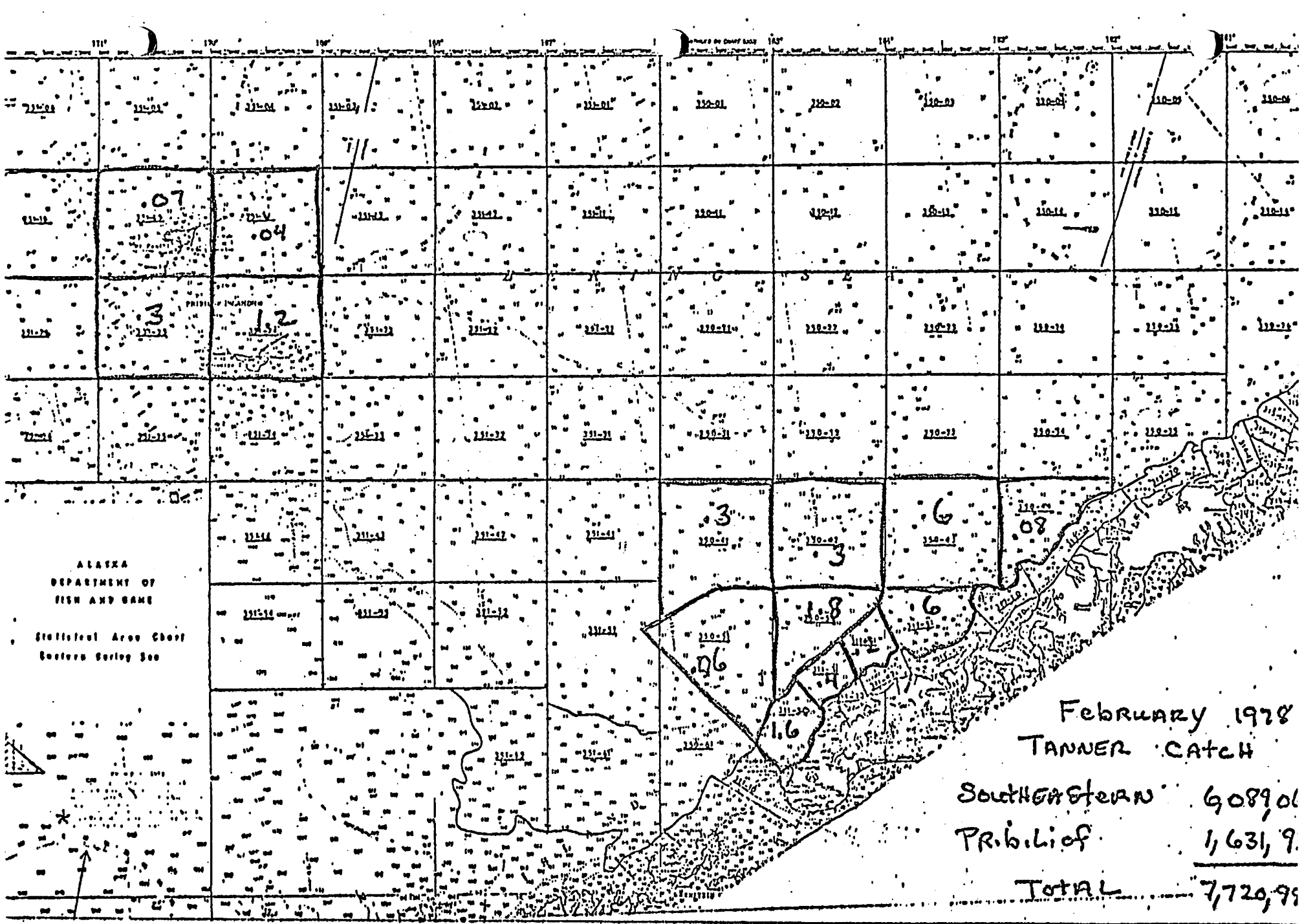
Total Catch
As of June 20

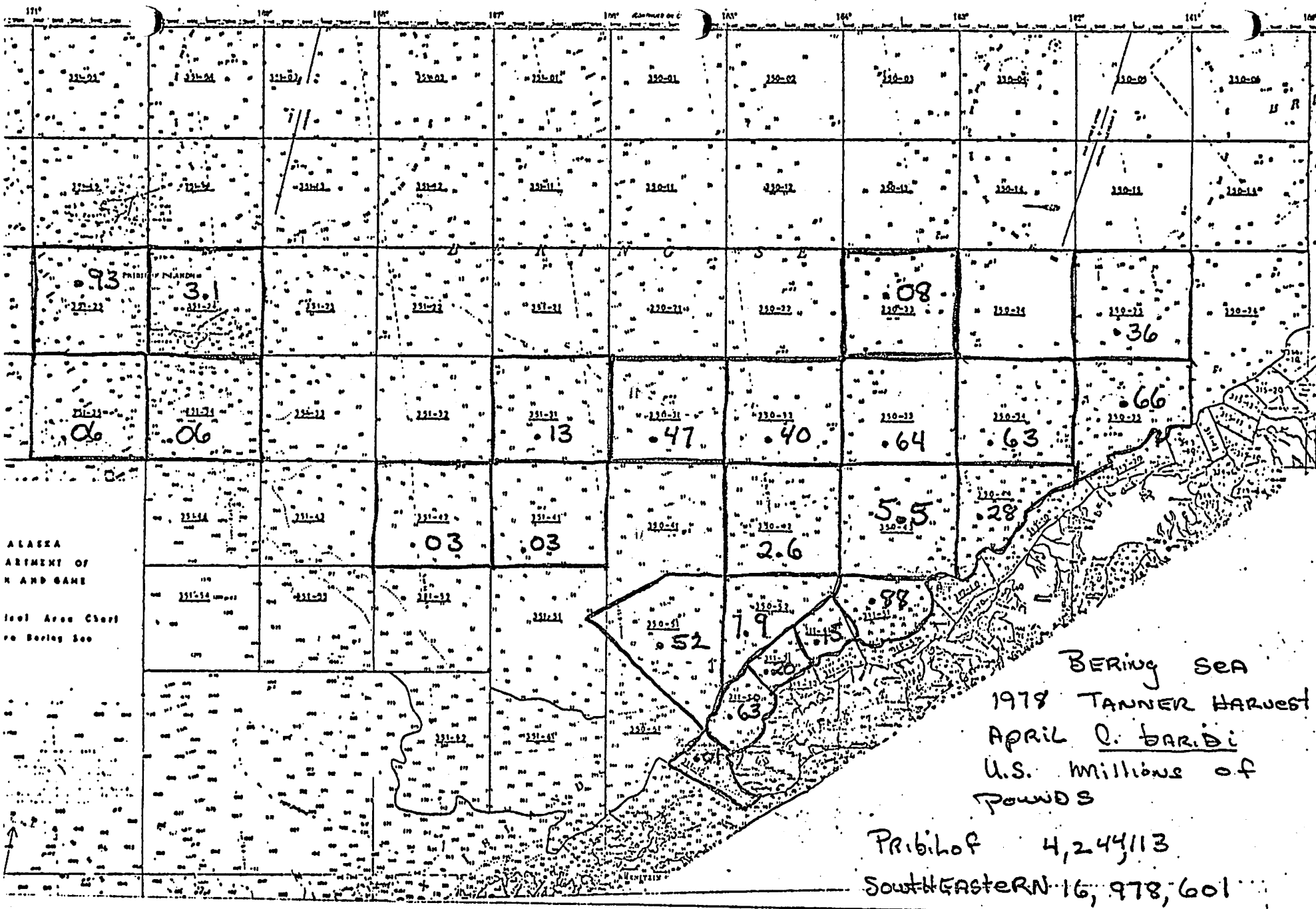


ALASKA
DEPARTMENT OF
FISH AND GAME
SOUTHEAST AREA CHIEF
EUSTACE SUTHERLAND

JAN 1978
TANNER CATCH
Millions of
Pounds

Pribilof 315,365
SOUTHEASTERN 1,808,611



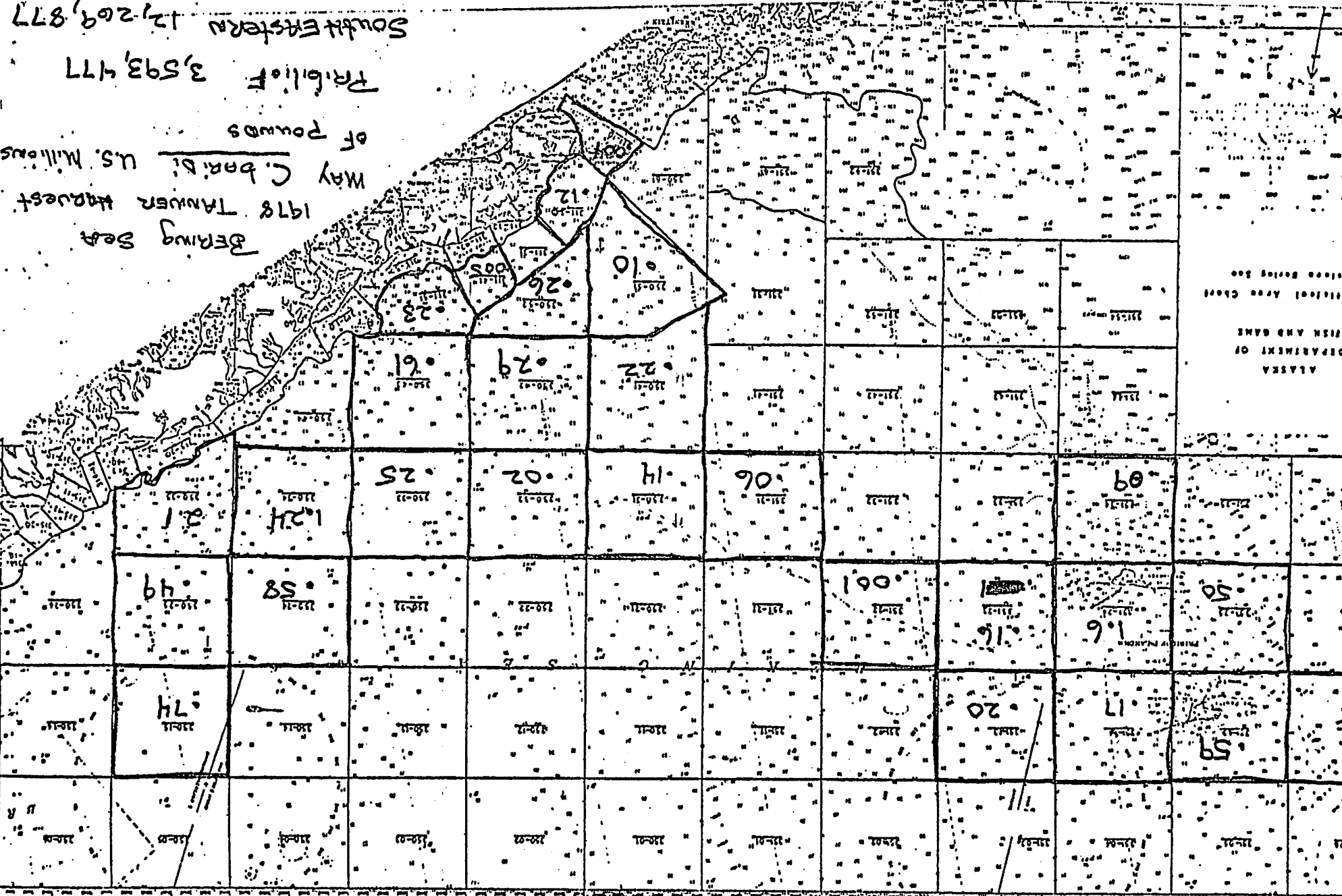


ALASKA
 DEPARTMENT OF
 FISH AND GAME
 1978 Tanner Harvest
 of *O. baridi*
 in the Bering Sea

BERING SEA
 1978 TANNER HARVEST
 APRIL *O. baridi*
 U.S. Millions of
 POUNDS

Pribilof 4,244,113
 SouthEastern 16,978,601

BEARING SEA
 1978 TANUVER REQUEST
 MAY C. BARDI U.S. Millions
 of POUNDS
 TRILLION 3,593,477
 SOUTH EASTERN 12,209,877



ALASKA
 DEPARTMENT OF
 FISH AND GAME
 FISHERY AREA CHART
 FISHING PERIODS 500

ALASKA
 DEPARTMENT OF
 FISH AND GAME
 Sitka Area Chart
 Eastern Border See

1977 TANNER
 HARVEST (C. bar
 U.S. - THOUSAND
 OF POUNDS BY
 STAT. AREA
 TOTAL CATCH: 51,455,221
 Source: Kodiak

