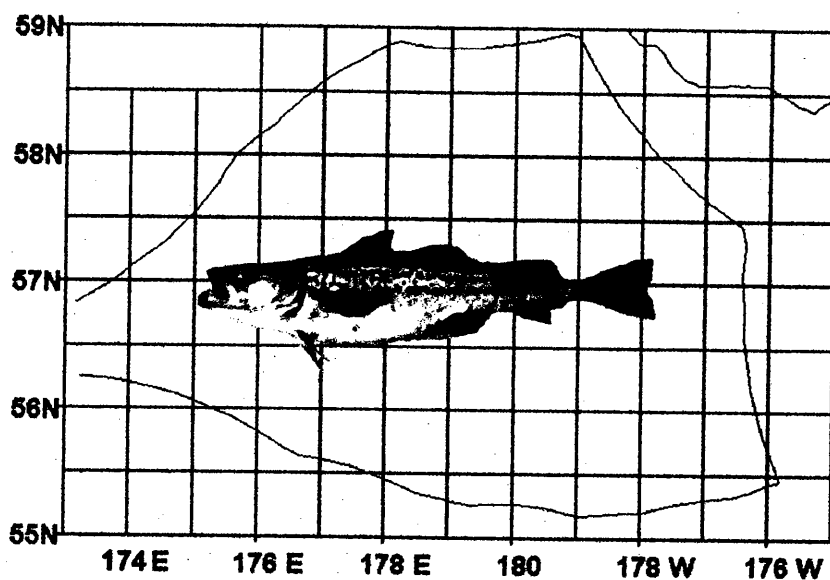


**Data Base of the Japanese Pollock Fisheries
In the International Waters
of the Central Bering Sea during 1984-1991**



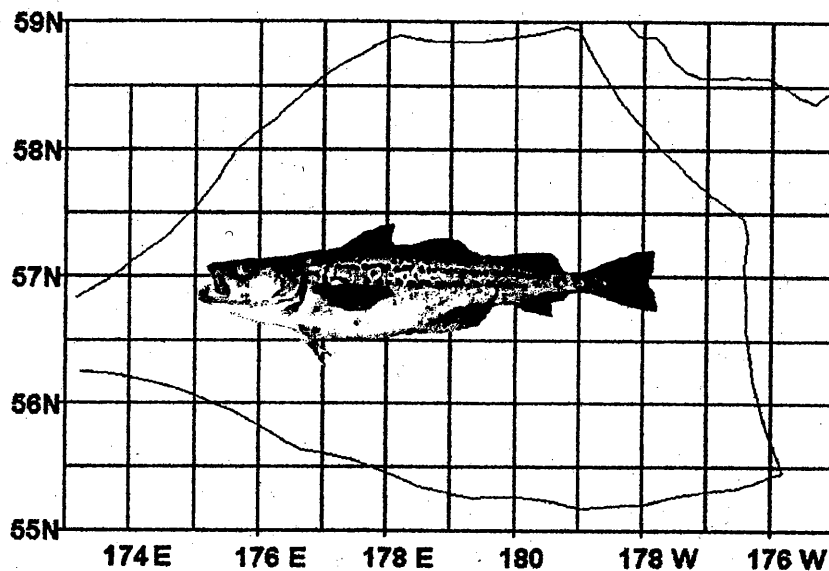
Prepared by

Hokkaido National Fisheries Research Institute

Fisheries Research Agency

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Data Base of the Japanese Pollock Fisheries International waters of the Bering Sea during 1984-1991

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DESCRIPTION OF THE WORK

The Science and Technology Committee of the Bering Sea Pollock Convention discussed the importance of historical catch data to understand the stock in the central Bering Sea. To cope with this data rescue program, this data base was compiled by the Hokkaido National Fisheries Research Institute (HNF) of the Fisheries Research Agency. In the central Bering Sea area, significant abundances of pelagic walleye pollock were found in the late 1970s, and a mid-water trawl fishery was developed rapidly in the 1980s. Pollock harvest in the international waters was especially high during the late 1980s and the resulting fishery developed on the strong 1978 year class (Table 1). Pollock fishery in the international waters has been closed since 1993 as a result of a rapid decrease in abundance. The mechanism of the rise and decline of these pelagic pollock stock is still in the fog. The major purpose of this work is to rescue the historical information of pelagic walleye pollock fisheries in the international waters. Monthly efforts, catches, and CPUE data in each statistical block is thought to be important to investigate the actual conditions of the fisheries. Main task of this work was to construct an electric data base of pollock fisheries in the area during 1984-1991.

Japanese stern trawl fisheries in this area comprised the following two types of the fisheries:

- North Pacific Trawler (NPT)
- Landbased Dragnet (LBD).

Before 1987, the statistics from these two types of fisheries were compiled separately. NPT and LBD statistics were compiled by the National Research Institute of Far Seas Fisheries (NRIFSF) and HNF, respectively. After 1987, LBD statistics were incorporated into NPT statistics, and both of the statistics were compiled by NRIFSF. From 1998, staff and function for North Pacific groundfish study moved from NRIFSF to HNF, and HNF take charge of the Bering Sea pollock study.

In this data base, the NPT and LBD statistics were prepared separately for 1984-1986 statistics. After 1987 statistics, information of the LBD fisheries was included to the NPT statistics. There was no substantial difference in catch ability between NPT and LBD.

In this work, the data from "North Pacific Groundfish Fisheries Statistics (National Research Institute of Far Seas Fisheries)" were used for preparing electric data base for NPT. The area of the central Bering Sea was divided into statistical blocks (0.5°latitude by 1°longitude). Efforts, catches, and CPUE were computed for each block. The statistical data was listed in Table 2-10 for NPT. For visual presentation of the pollock catches in the area, special program was prepared by HNF. Figures 1-8 shows monthly pollock catches by statistical block for NPT.

Data from "Annual statistical report for Far Seas Groundfish Fisheries (HNF)" were also used for preparing electric data base for LBD. The statistical data was listed in Table 10-12. During this process, insufficient descriptions were found out on the position information of 1984 and 1985 LBD statistics. There was no information about east or west longitude, and the accurate position was not able to figure out. For this reason, the visual presentation of the pollock catches was not prepared for LBD data base.

Most of the statistical numbers were rounded through the process of the work. This is the major reason that the numbers in this data base does not coincide in details with the official statistical numbers. If necessary, the official information about Japanese

pollock fisheries in the Bering Sea is available from the following INPFC documents.

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Table 1. Effort and catch of pelagic pollock fisheries by Japanese trawler operated in the international waters during 1984-1991.

	1984	1985	1986	1987	1988	1989	1990	1991
North Pacific Trawl								
Effort (hours)	10,749	17,078	30,399	93,635	109,785	108,658	135,414	74,928
Pollock catch (t)	33,343	124,174	375,030	783,286	750,012	654,923	417,067	140,874
CPUE	3.1	7.3	12.3	8.4	6.8	6.0	3.1	1.9
Landbased Dragnet								
Effort (hours)	11,941	13,757	50,922					
Pollock catch (t)	62,661	59,169	322,947					
CPUE	5.2	4.3	6.3					
Combined								
Effort (hours)	22,690	30,835	81,321	93,635	109,785	108,658	135,414	74,928
Pollock catch (t)	96,004	183,343	697,977	783,286	750,012	654,923	417,067	140,874
CPUE	4.2	5.9	8.6	8.4	6.8	6.0	3.1	1.9

North Pacific Trawl Fisheries
(1984-1991)

Table 2. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1984.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1984	Jan.	55.15 N	175.3 W	5	15	0.3
1984	Jan.	55.15 N	176.3 W	180	175	1
1984	Jan.	55.15 N	177.3 W	278	172	1.6
1984	Jan.	55.15 N	178.3 W	139	67	2.1
1984	Jan.	55.15 N	179.3 W	109	58	1.9
1984	Jan.	55.15 N	178.3 E	19	13	1.5
1984	Jan.	55.45 N	175.3 W	33	23	1.4
1984	Jan.	55.45 N	178.3 W	36	30	1.2
1984	Jan.	55.45 N	179.3 W	21	9	2.3
1984	Jan.	55.45 N	178.3 E	2413	1201	2
1984	Jan.	55.45 N	179.3 E	688	233	3
1984	Jan.	56.15 N	178.3 E	2127	911	2.3
1984	Jan.	56.15 N	179.3 E	14	10	1.4
1984	Jan.	56.45 N	178.3 E	229	106	2.2
1984	Jan.	57.45 N	178.3 E	11	9	1.2
1984	Jan.	58.15 N	178.3 E	4	5	0.8
1984	Jan.	58.45 N	169.3 W	2	36	0.1
1984	Jan.	58.45 N	178.3 E	2	4	0.5
1984	Feb.	55.15 N	175.3 W	341	196	1.7
1984	Feb.	55.15 N	176.3 W	140	24	5.8
1984	Feb.	55.45 N	175.3 W	28	38	0.7
1984	Feb.	55.45 N	176.3 W	2199	413	5.3
1984	Feb.	55.45 N	177.3 W	497	146	3.4
1984	Feb.	55.45 N	178.3 W	22	9	2.4
1984	Feb.	55.45 N	179.3 W	82	33	2.5
1984	Feb.	55.45 N	176.3 E	38	14	2.7
1984	Feb.	55.45 N	177.3 E	14	15	0.9
1984	Feb.	55.45 N	178.3 E	995	284	3.5
1984	Feb.	55.45 N	179.3 E	1475	513	2.9
1984	Feb.	56.15 N	176.3 W	4624	1178	3.9
1984	Feb.	56.15 N	177.3 W	1197	342	3.5
1984	Feb.	56.15 N	178.3 W	90	11	8.2
1984	Feb.	56.45 N	176.3 E	4	8	0.5
1984	Feb.	56.45 N	177.3 E	3	4	0.8
1984	Feb.	56.45 N	178.3 E	11	6	1.8
1984	Feb.	57.15 N	176.3 E	7	9	0.8
1984	Feb.	57.15 N	177.3 E	3	8	0.4
1984	Feb.	57.15 N	179.3 E	3	8	0.4
1984	Feb.	57.45 N	177.3 E	10	20	0.5
1984	Feb.	57.45 N	178.3 E	4	10	0.4
1984	Feb.	57.45 N	179.3 E	9	4	2.3
1984	Mar.	55.15 N	175.3 W	96	23	4.2
1984	Mar.	55.15 N	176.3 W	318	110	2.9
1984	Mar.	55.15 N	177.3 W	5	9	0.6
1984	Mar.	55.15 N	178.3 W	23	6	3.8
1984	Mar.	55.45 N	176.3 W	3732	1240	3
1984	Mar.	55.45 N	177.3 W	3958	1212	3.3
1984	Mar.	55.45 N	178.3 W	130	42	3.1
1984	Mar.	55.45 N	179.3 W	80	14	5.7
1984	Mar.	55.45 N	178.3 E	52	3	17.3
1984	Mar.	55.45 N	179.3 E	70	8	8.8
1984	Mar.	56.15 N	176.3 W	167	71	2.4
1984	Mar.	56.15 N	177.3 W	1711	400	4.3
1984	Mar.	56.15 N	178.3 W	22	4	5.5
1984	Mar.	56.45 N	176.3 W	145	16	9.1
1984	Mar.	56.45 N	177.3 W	267	118	2.3

Table 2. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1984	Mar.	56.45 N	178.3 W	9	1	9
1984	Mar.	56.45 N	179.3 W	0	2	0
1984	Mar.	57.15 N	177.3 W	115	64	1.8
1984	Mar.	57.15 N	178.3 W	22	21	1
1984	Mar.	57.45 N	178.3 W	4	5	0.8
1984	Mar.	58.45 N	178.3 W	147	14	10.5
1984	Mar.	58.45 N	179.3 W	65	18	3.6
1984	Mar.	58.45 N	179.3 E	3	1	3
1984	Apr.	55.45 N	177.3 W	19	18	1.1
1984	Apr.	55.45 N	178.3 W	81	46	1.8
1984	Apr.	55.45 N	179.3 W	172	84	2
1984	Apr.	55.45 N	179.3 E	93	31	3
1984	Apr.	56.15 N	174.3 E	51	27	1.9
1984	Apr.	56.15 N	175.3 E	247	77	3.2
1984	Apr.	56.15 N	176.3 E	221	85	2.6
1984	Apr.	56.15 N	177.3 E	695	128	5.4
1984	Apr.	56.15 N	178.3 E	372	122	3
1984	Apr.	56.15 N	179.3 E	362	73	5
1984	Apr.	57.45 N	178.3 W	12	7	1.7
1984	Apr.	57.45 N	179.3 W	128	36	3.6
1984	Apr.	58.15 N	178.3 W	33	16	2.1
1984	Apr.	58.15 N	179.3 W	114	31	3.7
1984	Apr.	58.15 N	179.3 E	40	8	5
1984	May	56.15 N	175.3 E	13	11	1.2
1984	May	56.15 N	174.3 E	25	9	2.8
1984	May	56.45 N	173.3 E	35	32	1.1
1984	Sep.	58.15 N	177.3 W	219	18	12.2
1984	Sep.	58.45 N	178.3 W	765	57	13.4
1984	Oct.	58.45 N	178.3 W	131	13	10.1
1984	Nov.	58.45 N	178.3 W	83	3	27.7
1984	Dec.	55.15 N	178.3 W	66	28	2.4
1984	Dec.	55.15 N	179.3 W	27	12	2.3
1984	Dec.	58.45 N	178.3 W	92	5	18.4

Table 3. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1985.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Jan.	55.15 N	177.3 W	457	93	4.9
1985	Jan.	55.15 N	178.3 W	1870	293	6.4
1985	Jan.	55.15 N	179.3 W	465	44	10.6
1985	Jan.	55.15 N	179.3 E	248	36	6.9
1985	Jan.	55.45 N	175.3 W	21	7	3
1985	Jan.	55.45 N	176.3 W	1314	222	5.9
1985	Jan.	55.45 N	177.3 W	4541	852	5.3
1985	Jan.	55.45 N	178.3 W	6349	853	7.4
1985	Jan.	55.45 N	179.3 W	3699	622	5.9
1985	Jan.	55.45 N	177.3 E	2148	253	8.5
1985	Jan.	55.45 N	178.3 E	1455	253	5.8
1985	Jan.	55.45 N	179.3 E	2904	360	8.1
1985	Jan.	56.15 N	176.3 W	22	7	3.1
1985	Jan.	56.15 N	177.3 W	483	101	4.8
1985	Jan.	56.15 N	178.3 W	487	116	4.2
1985	Jan.	56.15 N	179.3 W	585	85	6.9
1985	Jan.	56.15 N	176.3 E	19	3	6.3
1985	Jan.	56.15 N	177.3 E	52	21	2.5
1985	Jan.	56.15 N	178.3 E	443	86	5.2
1985	Jan.	56.15 N	179.3 E	422	70	6
1985	Jan.	56.45 N	177.3 W	129	36	3.6
1985	Jan.	56.45 N	178.3 W	1248	195	6.4
1985	Jan.	56.45 N	179.3 W	618	93	6.6
1985	Jan.	56.45 N	177.3 E	37	7	5.3
1985	Jan.	56.45 N	178.3 E	168	26	6.5
1985	Jan.	56.45 N	179.3 E	238	49	4.9
1985	Jan.	57.15 N	178.3 W	24	16	1.5
1985	Jan.	57.15 N	177.3 E	459	29	15.8
1985	Jan.	57.15 N	178.3 E	373	56	6.7
1985	Jan.	57.15 N	179.3 E	89	13	6.8
1985	Feb.	55.15 N	176.3 W	33	21	1.6
1985	Feb.	55.15 N	177.3 W	936	194	4.8
1985	Feb.	55.15 N	178.3 W	5115	750	6.8
1985	Feb.	55.15 N	179.3 W	1651	134	12.3
1985	Feb.	55.15 N	178.3 E	250	11	22.7
1985	Feb.	55.15 N	179.3 E	530	19	27.9
1985	Feb.	55.45 N	176.3 W	9480	1749	5.4
1985	Feb.	55.45 N	177.3 W	8680	1094	7.9
1985	Feb.	55.45 N	178.3 W	10498	1238	8.5
1985	Feb.	55.45 N	179.3 W	17663	1492	11.8
1985	Feb.	55.45 N	176.3 E	1305	124	10.5
1985	Feb.	55.45 N	177.3 E	5530	251	22
1985	Feb.	55.45 N	178.3 E	893	47	19
1985	Feb.	55.45 N	179.3 E	3640	166	21.9
1985	Feb.	56.15 N	176.3 W	52	10	5.2
1985	Feb.	56.15 N	177.3 W	67	17	3.9
1985	Feb.	56.15 N	179.3 W	688	59	11.7
1985	Feb.	57.15 N	177.3 W	56	9	6.2
1985	Mar.	55.15 N	175.3 W	59	24	2.5
1985	Mar.	55.15 N	176.3 W	986	348	2.8
1985	Mar.	55.15 N	177.3 W	1581	347	4.6
1985	Mar.	55.45 N	175.3 W	10	22	0.5
1985	Mar.	55.45 N	176.3 W	4361	1289	3.4
1985	Mar.	55.45 N	177.3 W	1512	312	4.8
1985	Mar.	55.45 N	178.3 W	910	98	9.3
1985	Mar.	55.45 N	179.3 W	120	10	12

Table 3. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Mar.	55.45 N	176.3 E	1232	222	5.5
1985	Mar.	55.45 N	177.3 E	48	52	0.9
1985	Mar.	55.45 N	178.3 E	20	7	2.9
1985	Mar.	55.45 N	179.3 E	0	6	0
1985	Mar.	56.15 N	176.3 W	140	18	7.8
1985	Mar.	56.15 N	174.3 E	15	4	3.8
1985	Mar.	56.15 N	176.3 E	20	7	2.9
1985	Mar.	56.45 N	176.3 W	24	5	4.8
1985	Mar.	56.45 N	175.3 E	83	28	3
1985	Mar.	56.45 N	177.3 E	30	4	7.5
1985	Mar.	56.45 N	178.3 E	16	15	1.1
1985	Mar.	57.15 N	178.3 W	9	8	1.1
1985	Mar.	57.15 N	179.3 W	18	17	1.1
1985	Mar.	57.15 N	178.3 E	3	5	0.6
1985	Mar.	57.15 N	179.3 E	25	15	1.7
1985	Mar.	57.45 N	179.3 W	19	4	4.8
1985	Mar.	57.45 N	178.3 E	1	5	0.2
1985	Mar.	57.45 N	179.3 E	30	26	1.2
1985	Mar.	58.15 N	178.3 W	50	31	1.6
1985	Mar.	58.15 N	179.3 W	129	83	1.6
1985	Mar.	58.15 N	179.3 E	58	22	2.6
1985	Mar.	58.45 N	178.3 W	194	20	9.7
1985	Mar.	58.45 N	179.3 W	177	142	1.2
1985	Apr.	55.15 N	176.3 W	32	7	4.6
1985	Apr.	55.15 N	177.3 W	283	24	11.8
1985	Apr.	55.15 N	178.3 W	265	30	8.8
1985	Apr.	55.15 N	179.3 W	585	50	11.7
1985	Apr.	55.15 N	178.3 E	29	23	1.3
1985	Apr.	55.45 N	177.3 W	53	9	5.9
1985	Apr.	55.45 N	178.3 W	2202	221	10
1985	Apr.	55.45 N	179.3 W	1820	206	8.8
1985	Apr.	55.45 N	177.3 E	227	14	16.2
1985	Apr.	55.45 N	178.3 E	847	146	5.8
1985	Apr.	55.45 N	179.3 E	590	42	14
1985	Apr.	56.15 N	176.3 W	70	14	5
1985	Apr.	56.45 N	175.3 E	14	4	3.5
1985	Jun.	58.45 N	178.3 W	0	20	0
1985	Oct.	58.45 N	178.3 W	120	6	20
1985	Nov.	55.45 N	177.3 E	20	9	2.2
1985	Nov.	55.45 N	178.3 E	10	9	1.1
1985	Nov.	56.15 N	178.3 E	25	3	8.3
1985	Nov.	56.15 N	179.3 E	10	9	1.1
1985	Nov.	56.45 N	177.3 E	15	18	0.8
1985	Nov.	58.45 N	178.3 W	284	17	16.7
1985	Dec.	55.15 N	178.3 E	111	16	6.9
1985	Dec.	55.15 N	179.3 E	564	64	8.8
1985	Dec.	55.45 N	176.3 W	206	27	7.6
1985	Dec.	55.45 N	177.3 W	342	53	6.5
1985	Dec.	55.45 N	178.3 W	72	8	9
1985	Dec.	55.45 N	179.3 W	49	3	16.3
1985	Dec.	55.45 N	177.3 E	30	8	3.8
1985	Dec.	55.45 N	178.3 E	422	61	6.9
1985	Dec.	55.45 N	179.3 E	648	127	5.1
1985	Dec.	56.15 N	177.3 W	1119	50	22.4
1985	Dec.	56.15 N	178.3 W	878	41	21.4
1985	Dec.	56.15 N	176.3 E	57	12	4.8
1985	Dec.	56.15 N	177.3 E	246	45	5.5

Table 3. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Dec.	56.15 N	178.3 E	45	11	4.1
1985	Dec.	56.15 N	179.3 E	215	58	3.7
1985	Dec.	56.45 N	178.3 W	812	60	13.5
1985	Dec.	56.45 N	177.3 E	82	20	4.1
1985	Dec.	56.45 N	178.3 E	22	7	3.1
1985	Dec.	56.45 N	179.3 E	12	6	2
1985	Dec.	58.45 N	178.3 W	427	42	10.2

Table 4. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1986.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Jan.	55.15 N	177.3 W	148	23	6.4
1986	Jan.	55.15 N	178.3 W	335	27	12.4
1986	Jan.	55.15 N	179.3 W	3331	295	11.3
1986	Jan.	55.15 N	178.3 E	125	16	7.8
1986	Jan.	55.15 N	179.3 E	1596	119	13.4
1986	Jan.	55.45 N	176.3 W	69	9	7.7
1986	Jan.	55.45 N	178.3 W	390	28	13.9
1986	Jan.	55.45 N	179.3 W	32838	2714	12.1
1986	Jan.	55.45 N	176.3 E	2687	250	10.7
1986	Jan.	55.45 N	177.3 E	1516	144	10.5
1986	Jan.	55.45 N	178.3 E	5153	405	12.7
1986	Jan.	55.45 N	179.3 E	12090	890	13.6
1986	Jan.	56.15 N	177.3 W	40	7	5.7
1986	Jan.	56.15 N	173.3 E	642	50	12.8
1986	Jan.	56.15 N	174.3 E	2978	169	17.6
1986	Jan.	56.15 N	175.3 E	1298	86	15.1
1986	Jan.	56.15 N	176.3 E	2778	210	13.2
1986	Jan.	56.15 N	177.3 E	2692	241	11.2
1986	Jan.	56.15 N	178.3 E	6625	535	12.4
1986	Jan.	56.15 N	179.3 E	539	75	7.2
1986	Jan.	56.45 N	174.3 E	1223	56	21.8
1986	Jan.	56.45 N	175.3 E	453	53	8.5
1986	Jan.	56.45 N	176.3 E	462	86	5.4
1986	Jan.	56.45 N	177.3 E	631	92	6.9
1986	Jan.	56.45 N	178.3 E	265	24	11
1986	Jan.	56.45 N	179.3 E	468	21	22.3
1986	Jan.	57.45 N	176.3 E	70	4	17.5
1986	Feb.	55.15 N	176.3 W	33	21	1.6
1986	Feb.	55.15 N	177.3 W	936	194	4.8
1986	Feb.	55.15 N	178.3 W	5115	750	6.8
1986	Feb.	55.15 N	179.3 W	1651	134	12.3
1986	Feb.	55.15 N	178.3 E	250	11	22.7
1986	Feb.	55.15 N	179.3 E	530	19	27.9
1986	Feb.	55.45 N	176.3 W	9480	1749	5.4
1986	Feb.	55.45 N	177.3 W	8680	1094	7.9
1986	Feb.	55.45 N	178.3 W	10498	1238	8.5
1986	Feb.	55.45 N	179.3 W	17663	1492	11.8
1986	Feb.	55.45 N	176.3 E	1305	124	10.5
1986	Feb.	55.45 N	177.3 E	5530	251	22
1986	Feb.	55.45 N	178.3 E	893	47	19
1986	Feb.	55.45 N	179.3 E	3640	166	21.9
1986	Feb.	56.15 N	176.3 W	52	10	5.2
1986	Feb.	56.15 N	177.3 W	67	17	3.9
1986	Feb.	56.15 N	179.3 W	688	59	11.7
1986	Feb.	57.15 N	177.3 W	56	9	6.2
1986	Mar.	55.15 N	179.3 W	84	19	4.4
1986	Mar.	55.45 N	175.3 W	285	17	16.8
1986	Mar.	55.45 N	176.3 W	5421	1484	3.7
1986	Mar.	55.45 N	177.3 W	35	22	1.6
1986	Mar.	55.45 N	178.3 W	117	28	4.2
1986	Mar.	55.45 N	179.3 W	251	12	20.9
1986	Mar.	55.45 N	176.3 E	260	134	1.9
1986	Mar.	55.45 N	178.3 E	12	12	1
1986	Mar.	56.15 N	176.3 W	675	141	4.8
1986	Mar.	56.15 N	177.3 W	131	14	9.4
1986	Mar.	56.15 N	178.3 W	222	17	13.1

Table 4. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Mar.	56.15 N	179.3 W	27	4	6.8
1986	Mar.	56.45 N	176.3 W	4430	565	7.8
1986	Mar.	56.45 N	177.3 W	1508	120	12.6
1986	Mar.	56.45 N	178.3 W	1256	93	13.5
1986	Mar.	57.15 N	176.3 W	428	60	7.1
1986	Mar.	57.15 N	177.3 W	76	3	25.3
1986	Mar.	58.45 N	179.3 W	59	7	8.4
1986	Apr.	55.45 N	177.3 W	12	9	1.3
1986	Apr.	56.15 N	179.3 W	44	10	4.4
1986	Apr.	56.45 N	178.3 W	608	42	14.5
1986	Apr.	56.45 N	179.3 W	952	100	9.5
1986	Apr.	57.15 N	176.3 W	111	7	15.9
1986	Apr.	57.15 N	177.3 W	363	22	16.5
1986	Apr.	57.15 N	178.3 W	823	43	19.1
1986	Apr.	57.15 N	179.3 W	939	78	12
1986	Apr.	57.15 N	176.3 E	241	24	10
1986	Apr.	57.15 N	177.3 E	745	64	11.6
1986	Apr.	57.15 N	178.3 E	118	15	7.9
1986	Apr.	57.15 N	179.3 E	548	34	16.1
1986	Apr.	57.45 N	176.3 W	1143	96	11.9
1986	Apr.	57.45 N	177.3 W	503	50	10.1
1986	Apr.	57.45 N	178.3 W	107	9	11.9
1986	Apr.	57.45 N	175.3 E	236	28	8.4
1986	Apr.	57.45 N	176.3 E	2431	269	9
1986	Apr.	57.45 N	177.3 E	1573	191	8.2
1986	Apr.	57.45 N	178.3 E	198	23	8.6
1986	Apr.	58.15 N	177.3 W	1135	101	11.2
1986	Apr.	58.15 N	176.3 E	1328	131	10.1
1986	Apr.	58.15 N	177.3 E	2376	259	9.2
1986	Apr.	58.45 N	177.3 E	141	25	5.6
1986	May	55.15 N	179.3 W	51	3	17
1986	May	55.45 N	178.3 W	10	7	1.4
1986	May	56.45 N	177.3 W	2	5	0.4
1986	May	56.45 N	174.3 E	52	7	7.4
1986	May	56.45 N	175.3 E	19	11	1.7
1986	May	57.15 N	176.3 W	484	55	8.8
1986	May	57.15 N	175.3 E	655	153	4.3
1986	May	57.15 N	176.3 E	59	43	1.4
1986	May	57.15 N	177.3 E	4	12	0.3
1986	May	57.45 N	176.3 W	1599	127	12.6
1986	May	57.45 N	175.3 E	341	96	3.6
1986	May	57.45 N	176.3 E	279	39	7.2
1986	May	58.15 N	177.3 W	4285	290	14.8
1986	May	58.15 N	176.3 E	1527	160	9.5
1986	May	58.15 N	177.3 E	1108	94	11.8
1986	Jun.	57.15 N	175.3 E	11	6	1.8
1986	Jun.	57.45 N	179.3 W	17	13	1.3
1986	Jun.	58.15 N	179.3 E	61	47	1.3
1986	Jun.	58.45 N	178.3 E	26	10	2.6
1986	Jul.	55.45 N	177.3 E	24	13	1.8
1986	Jul.	55.45 N	178.3 E	82	43	1.9
1986	Jul.	55.45 N	179.3 E	7	6	1.2
1986	Jul.	56.15 N	178.3 E	59	38	1.6
1986	Jul.	56.15 N	179.3 E	13	6	2.2
1986	Jul.	56.45 N	178.3 W	49	6	8.2
1986	Jul.	56.45 N	179.3 E	441	85	5.2
1986	Jul.	58.15 N	178.3 E	6	10	0.6
1986	Jul.	58.45 N	179.3 E	5	5	1

Table 4. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Aug.	55.45 N	177.3 E	16	5	3.2
1986	Aug.	56.15 N	176.3 E	204	56	3.6
1986	Aug.	56.15 N	177.3 E	140	34	4.1
1986	Aug.	56.15 N	178.3 E	28	12	2.3
1986	Aug.	57.15 N	178.3 E	57	30	1.9
1986	Aug.	57.45 N	179.3 E	8	13	0.6
1986	Sep.	55.45 N	177.3 E	18	13	1.4
1986	Sep.	55.45 N	178.3 E	40	38	1.1
1986	Sep.	55.45 N	179.3 E	23	25	0.9
1986	Sep.	57.45 N	178.3 W	14	18	0.8
1986	Oct.	55.45 N	179.3 W	27	10	2.7
1986	Oct.	55.45 N	177.3 E	34	18	1.9
1986	Oct.	55.45 N	178.3 E	20	6	3.3
1986	Oct.	56.15 N	176.3 W	722	42	17.2
1986	Oct.	56.15 N	174.3 E	3439	233	14.8
1986	Oct.	56.15 N	175.3 E	1791	87	20.6
1986	Oct.	56.15 N	179.3 E	36	13	2.8
1986	Oct.	56.45 N	178.3 W	12	14	0.9
1986	Oct.	56.45 N	179.3 W	169	94	1.8
1986	Oct.	56.45 N	173.3 E	3139	335	9.4
1986	Oct.	56.45 N	174.3 E	2461	172	14.3
1986	Oct.	56.45 N	175.3 E	1406	67	21
1986	Oct.	56.45 N	178.3 E	67	19	3.5
1986	Oct.	57.15 N	174.3 E	158	37	4.3
1986	Oct.	57.15 N	175.3 E	70	16	4.4
1986	Oct.	57.15 N	178.3 E	26	15	1.7
1986	Oct.	57.15 N	179.3 E	31	10	3.1
1986	Oct.	58.15 N	176.3 E	2	2	1
1986	Nov.	55.45 N	175.3 E	105	6	17.5
1986	Nov.	55.45 N	176.3 E	439	28	15.7
1986	Nov.	56.15 N	173.3 E	1340	104	12.9
1986	Nov.	56.15 N	174.3 E	7728	437	17.7
1986	Nov.	56.15 N	175.3 E	11547	737	15.7
1986	Nov.	56.15 N	176.3 E	127	19	6.7
1986	Nov.	56.15 N	179.3 E	100	8	12.5
1986	Nov.	56.45 N	173.3 E	1262	107	11.8
1986	Nov.	56.45 N	174.3 E	9305	497	18.7
1986	Nov.	56.45 N	175.3 E	7600	393	19.3
1986	Nov.	56.45 N	176.3 E	205	19	10.8
1986	Nov.	57.15 N	174.3 E	1725	92	18.8
1986	Nov.	57.15 N	175.3 E	4488	257	17.5
1986	Nov.	57.45 N	175.3 E	122	7	17.4
1986	Dec.	55.15 N	178.3 W	456	21	21.7
1986	Dec.	55.15 N	179.3 W	260	20	13
1986	Dec.	55.15 N	178.3 E	67	7	9.6
1986	Dec.	55.15 N	179.3 E	403	27	14.9
1986	Dec.	55.45 N	175.3 W	474	13	36.5
1986	Dec.	55.45 N	176.3 W	592	24	24.7
1986	Dec.	55.45 N	177.3 W	596	33	18.1
1986	Dec.	55.45 N	178.3 W	400	28	14.3
1986	Dec.	55.45 N	175.3 E	786	36	21.8
1986	Dec.	55.45 N	176.3 E	9140	452	20.2
1986	Dec.	55.45 N	177.3 E	4944	248	19.9
1986	Dec.	55.45 N	178.3 E	4604	404	11.4
1986	Dec.	55.45 N	179.3 E	912	92	9.9
1986	Dec.	56.15 N	176.3 W	3815	155	24.6
1986	Dec.	56.15 N	177.3 W	308	28	11
1986	Dec.	56.15 N	178.3 W	888	61	14.6

Table 4. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Dec.	56.15 N	173.3 E	300	4	75
1986	Dec.	56.15 N	174.3 E	13162	617	21.3
1986	Dec.	56.15 N	175.3 E	31462	1336	23.5
1986	Dec.	56.15 N	176.3 E	9653	434	22.2
1986	Dec.	56.15 N	177.3 E	3796	331	11.5
1986	Dec.	56.15 N	178.3 E	2695	282	9.6
1986	Dec.	56.15 N	179.3 E	1638	132	12.4
1986	Dec.	56.45 N	176.3 W	894	30	29.8
1986	Dec.	56.45 N	177.3 W	50	8	6.3
1986	Dec.	56.45 N	173.3 E	7	5	1.4
1986	Dec.	56.45 N	174.3 E	8886	372	23.9
1986	Dec.	56.45 N	175.3 E	8957	357	25.1
1986	Dec.	56.45 N	176.3 E	3767	204	18.5
1986	Dec.	56.45 N	177.3 E	3192	267	12
1986	Dec.	56.45 N	178.3 E	1055	123	8.6
1986	Dec.	56.45 N	179.3 E	190	17	11.2
1986	Dec.	57.15 N	174.3 E	92	6	15.3
1986	Dec.	57.15 N	175.3 E	132	6	22
1986	Dec.	57.15 N	176.3 E	2940	189	15.6
1986	Dec.	57.45 N	175.3 E	540	16	33.8
1986	Dec.	57.45 N	176.3 E	989	83	11.9

Table 5. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1987.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Jan.	55.15 N	178.3 W	150	9	16.7
1987	Jan.	55.15 N	179.3 W	805	74	10.9
1987	Jan.	55.15 N	178.3 E	2260	219	10.3
1987	Jan.	55.15 N	179.3 E	7031	838	8.4
1987	Jan.	55.45 N	177.3 W	64	9	7.1
1987	Jan.	55.45 N	178.3 W	2480	179	13.9
1987	Jan.	55.45 N	179.3 W	1444	107	13.5
1987	Jan.	55.45 N	175.3 E	444	16	27.8
1987	Jan.	55.45 N	176.3 E	4278	341	12.5
1987	Jan.	55.45 N	177.3 E	7563	848	8.9
1987	Jan.	55.45 N	178.3 E	64305	6096	10.5
1987	Jan.	55.45 N	179.3 E	27173	2902	9.4
1987	Jan.	56.15 N	177.3 W	52	5	10.4
1987	Jan.	56.15 N	179.3 W	1329	78	17.0
1987	Jan.	56.15 N	173.3 E	70	4	17.5
1987	Jan.	56.15 N	174.3 E	385	76	5.1
1987	Jan.	56.15 N	175.3 E	7899	695	11.4
1987	Jan.	56.15 N	176.3 E	6860	650	10.6
1987	Jan.	56.15 N	177.3 E	6286	678	9.3
1987	Jan.	56.15 N	178.3 E	31816	2364	13.5
1987	Jan.	56.15 N	179.3 E	10050	962	10.4
1987	Jan.	56.45 N	173.3 E	65	19	3.4
1987	Jan.	56.45 N	174.3 E	707	134	5.3
1987	Jan.	56.45 N	175.3 E	785	162	4.8
1987	Jan.	56.45 N	176.3 E	919	75	12.3
1987	Jan.	56.45 N	177.3 E	687	48	14.3
1987	Jan.	56.45 N	178.3 E	1752	230	7.6
1987	Jan.	56.45 N	179.3 E	187	21	8.9
1987	Jan.	57.15 N	175.3 E	137	6	22.8
1987	Jan.	57.15 N	176.3 E	140	41	3.4
1987	Jan.	57.15 N	178.3 E	232	28	8.3
1987	Jan.	58.15 N	179.3 E	52	15	3.5
1987	Feb.	55.15 N	178.3 E	372	41	9.1
1987	Feb.	55.15 N	179.3 E	246	51	4.8
1987	Feb.	55.45 N	176.3 W	5448	391	13.9
1987	Feb.	55.45 N	177.3 W	2049	207	9.9
1987	Feb.	55.45 N	178.3 W	876	104	8.4
1987	Feb.	55.45 N	179.3 W	1469	168	8.7
1987	Feb.	55.45 N	176.3 E	895	53	16.9
1987	Feb.	55.45 N	177.3 E	507	50	10.1
1987	Feb.	55.45 N	178.3 E	45547	6966	6.5
1987	Feb.	55.45 N	179.3 E	15048	2618	5.7
1987	Feb.	56.15 N	176.3 W	273	41	6.7
1987	Feb.	56.15 N	177.3 W	455	49	9.3
1987	Feb.	56.15 N	178.3 W	140	51	2.7
1987	Feb.	56.15 N	179.3 W	349	86	4.1
1987	Feb.	56.15 N	174.3 E	83	3	27.7
1987	Feb.	56.15 N	175.3 E	72	13	5.5
1987	Feb.	56.15 N	178.3 E	15693	1687	9.3
1987	Feb.	56.15 N	179.3 E	17213	1576	10.9
1987	Feb.	56.45 N	176.3 W	20	6	3.3
1987	Feb.	56.45 N	177.3 W	114	8	14.3
1987	Feb.	56.45 N	177.3 E	135	19	7.1
1987	Feb.	56.45 N	178.3 E	200	18	11.1
1987	Feb.	56.45 N	179.3 E	801	54	14.8
1987	Feb.	57.15 N	177.3 W	56	17	3.3

Table 5. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Feb.	57.15 N	178.3 W	190	55	3.5
1987	Feb.	57.15 N	179.3 W	95	24	4.0
1987	Feb.	57.15 N	177.3 E	455	56	8.1
1987	Feb.	57.15 N	179.3 E	30	17	1.8
1987	Feb.	57.45 N	177.3 W	140	28	5.0
1987	Feb.	57.45 N	178.3 W	60	26	2.3
1987	Feb.	57.45 N	179.3 W	167	33	5.1
1987	Feb.	57.45 N	177.3 E	46	13	3.5
1987	Feb.	57.45 N	177.3 E	38	16	2.4
1987	Feb.	58.15 N	178.3 W	29	18	1.6
1987	Feb.	58.15 N	179.3 W	29	18	1.6
1987	Feb.	58.15 N	177.3 E	136	9	15.1
1987	Feb.	58.15 N	178.3 E	93	14	6.6
1987	Feb.	58.15 N	179.3 E	41	76	0.5
1987	Feb.	58.15 N	179.3 W	29	26	1.1
1987	Feb.	58.45 N	179.3 E	110	21	5.2
1987	Mar.	55.15 N	177.3 W	65	22	3.0
1987	Mar.	55.15 N	178.3 E	12	8	1.5
1987	Mar.	55.15 N	179.3 E	200	2	100.0
1987	Mar.	55.45 N	176.3 W	2477	270	9.2
1987	Mar.	55.45 N	177.3 W	3135	608	5.2
1987	Mar.	55.45 N	178.3 W	1083	323	3.4
1987	Mar.	55.45 N	179.3 W	629	133	4.7
1987	Mar.	55.45 N	176.3 E	1092	83	13.2
1987	Mar.	55.45 N	177.3 E	1323	111	11.9
1987	Mar.	55.45 N	178.3 E	4192	1035	4.1
1987	Mar.	55.45 N	179.3 E	2618	512	5.1
1987	Mar.	56.15 N	176.3 W	815	173	4.7
1987	Mar.	56.15 N	177.3 W	2626	670	3.9
1987	Mar.	56.15 N	178.3 W	829	220	3.8
1987	Mar.	56.15 N	179.3 W	461	129	3.6
1987	Mar.	56.15 N	174.3 E	1205	102	11.8
1987	Mar.	56.15 N	175.3 E	723	112	6.5
1987	Mar.	56.15 N	176.3 E	775	85	9.1
1987	Mar.	56.15 N	177.3 E	642	130	4.9
1987	Mar.	56.15 N	178.3 E	1763	388	4.5
1987	Mar.	56.15 N	179.3 E	1022	313	3.3
1987	Mar.	56.45 N	176.3 W	875	300	2.9
1987	Mar.	56.45 N	177.3 W	1403	415	3.4
1987	Mar.	56.45 N	178.3 W	555	196	2.8
1987	Mar.	56.45 N	179.3 W	477	112	4.3
1987	Mar.	56.45 N	175.3 E	30	13	2.3
1987	Mar.	56.45 N	176.3 E	30	10	3.0
1987	Mar.	56.45 N	177.3 E	165	39	4.2
1987	Mar.	56.45 N	178.3 E	1467	275	5.3
1987	Mar.	56.45 N	179.3 E	799	149	5.4
1987	Mar.	57.15 N	176.3 W	177	60	3.0
1987	Mar.	57.15 N	177.3 W	664	251	2.6
1987	Mar.	57.15 N	178.3 W	387	103	3.8
1987	Mar.	57.15 N	179.3 W	30	10	3.0
1987	Mar.	57.15 N	176.3 E	378	114	3.3
1987	Mar.	57.15 N	177.3 E	329	79	4.2
1987	Mar.	57.15 N	178.3 E	1030	162	6.4
1987	Mar.	57.15 N	179.3 E	1421	245	5.8
1987	Mar.	57.45 N	177.3 W	326	160	2.0
1987	Mar.	57.45 N	178.3 W	213	132	1.6
1987	Mar.	57.45 N	179.3 W	378	95	4.0
1987	Mar.	57.45 N	176.3 E	25	13	1.9
1987	Mar.	57.45 N	177.3 E	22	10	2.2

Table. 5

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Mar.	57.45 N	178.3 E	661	144	4.6
1987	Mar.	57.45 N	179.3 E	503	163	3.1
1987	Mar.	58.15 N	178.3 W	441	228	1.9
1987	Mar.	58.15 N	179.3 W	712	325	2.2
1987	Mar.	58.15 N	177.3 E	24	8	3.0
1987	Mar.	58.15 N	178.3 E	197	90	2.2
1987	Mar.	58.15 N	179.3 E	844	379	2.2
1987	Mar.	58.45 N	178.3 W	81	58	1.4
1987	Mar.	58.45 N	179.3 W	784	354	2.2
1987	Mar.	58.45 N	179.3 E	802	370	2.2
1987	Apr.	55.15 N	176.3 W	191	13	14.7
1987	Apr.	55.15 N	177.3 W	500	92	5.4
1987	Apr.	55.15 N	178.3 W	628	67	9.4
1987	Apr.	55.15 N	178.3 E	62	9	6.9
1987	Apr.	55.15 N	179.3 E	1176	126	9.3
1987	Apr.	55.45 N	176.3 W	34	7	4.9
1987	Apr.	55.45 N	177.3 W	535	121	4.4
1987	Apr.	55.45 N	178.3 W	1495	302	5.0
1987	Apr.	55.45 N	179.3 W	2016	319	6.3
1987	Apr.	55.45 N	176.3 E	85	12	7.1
1987	Apr.	55.45 N	177.3 E	320	65	4.9
1987	Apr.	55.45 N	178.3 E	1955	419	4.7
1987	Apr.	55.45 N	179.3 E	4199	493	8.5
1987	Apr.	56.15 N	176.3 W	26	11	2.4
1987	Apr.	56.15 N	177.3 W	1087	347	3.1
1987	Apr.	56.15 N	178.3 W	733	238	3.1
1987	Apr.	56.15 N	179.3 W	2803	435	6.4
1987	Apr.	56.15 N	174.3 E	200	28	7.1
1987	Apr.	56.15 N	175.3 E	72	30	2.4
1987	Apr.	56.15 N	176.3 E	1690	261	6.5
1987	Apr.	56.15 N	177.3 E	841	226	3.7
1987	Apr.	56.15 N	178.3 E	1908	428	4.5
1987	Apr.	56.15 N	179.3 E	3701	439	8.4
1987	Apr.	56.45 N	177.3 W	364	130	2.8
1987	Apr.	56.45 N	178.3 W	450	217	2.1
1987	Apr.	56.45 N	179.3 W	978	351	2.8
1987	Apr.	56.45 N	173.3 E	270	10	27.0
1987	Apr.	56.45 N	174.3 E	380	33	11.5
1987	Apr.	56.45 N	175.3 E	1219	205	5.9
1987	Apr.	56.45 N	176.3 E	374	173	2.2
1987	Apr.	56.45 N	177.3 E	2931	473	6.2
1987	Apr.	56.45 N	178.3 E	3393	523	6.5
1987	Apr.	56.45 N	179.3 E	1845	314	5.9
1987	Apr.	57.15 N	177.3 W	39	29	1.3
1987	Apr.	57.15 N	178.3 W	238	85	2.8
1987	Apr.	57.15 N	179.3 W	203	55	3.7
1987	Apr.	57.15 N	175.3 E	30	21	1.4
1987	Apr.	57.15 N	176.3 E	1434	350	4.1
1987	Apr.	57.15 N	177.3 E	2299	607	3.8
1987	Apr.	57.15 N	178.3 E	491	170	2.9
1987	Apr.	57.15 N	179.3 E	498	172	2.9
1987	Apr.	57.45 N	177.3 W	127	76	1.7
1987	Apr.	57.45 N	178.3 W	65	56	1.2
1987	Apr.	57.45 N	179.3 W	161	87	1.9
1987	Apr.	57.45 N	175.3 E	255	31	8.2
1987	Apr.	57.45 N	176.3 E	1654	290	5.7
1987	Apr.	57.45 N	177.3 E	379	102	3.7
1987	Apr.	57.45 N	178.3 E	302	130	2.3

Table 5. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Apr.	57.45 N	179.3 E	376	136	2.8
1987	Apr.	58.15 N	178.3 W	26	21	1.2
1987	Apr.	58.15 N	179.3 W	271	127	2.1
1987	Apr.	58.15 N	176.3 E	150	26	5.8
1987	Apr.	58.15 N	177.3 E	198	74	2.7
1987	Apr.	58.15 N	178.3 E	362	148	2.4
1987	Apr.	58.15 N	179.3 E	187	95	2.0
1987	Apr.	58.45 N	178.3 W	32	27	1.2
1987	Apr.	58.45 N	179.3 W	542	233	2.3
1987	Apr.	58.45 N	177.3 E	100	6	16.7
1987	Apr.	58.45 N	178.3 E	24	5	4.8
1987	Apr.	58.45 N	179.3 E	215	132	1.6
1987	May	55.15 N	179.3 W	100	10	10.0
1987	May	55.15 N	178.3 E	46	9	5.1
1987	May	55.15 N	179.3 E	13	9	1.4
1987	May	55.45 N	177.3 W	164	35	4.7
1987	May	55.45 N	178.3 W	194	28	6.9
1987	May	55.45 N	179.3 W	401	100	4.0
1987	May	55.45 N	176.3 E	135	59	2.3
1987	May	55.45 N	177.3 E	26	13	2.0
1987	May	55.45 N	178.3 E	397	159	2.5
1987	May	55.45 N	179.3 E	4056	792	5.1
1987	May	56.15 N	178.3 W	244	60	4.1
1987	May	56.15 N	179.3 W	700	111	6.3
1987	May	56.15 N	174.3 E	661	63	10.5
1987	May	56.15 N	175.3 E	487	161	3.0
1987	May	56.15 N	176.3 E	1700	325	5.2
1987	May	56.15 N	177.3 E	1581	267	5.9
1987	May	56.15 N	178.3 E	2638	626	4.2
1987	May	56.15 N	179.3 E	3580	656	5.5
1987	May	56.45 N	177.3 W	9	5	1.8
1987	May	56.45 N	178.3 W	133	49	2.7
1987	May	56.45 N	179.3 W	114	81	1.4
1987	May	56.45 N	174.3 E	152	47	3.2
1987	May	56.45 N	175.3 E	314	108	2.9
1987	May	56.45 N	176.3 E	323	55	5.9
1987	May	56.45 N	177.3 E	2359	438	5.4
1987	May	56.45 N	178.3 E	1500	333	4.5
1987	May	56.45 N	179.3 E	842	262	3.2
1987	May	57.15 N	176.3 W	29	12	2.4
1987	May	57.15 N	177.3 W	155	55	2.8
1987	May	57.15 N	178.3 W	146	63	2.3
1987	May	57.15 N	179.3 W	124	48	2.6
1987	May	57.15 N	175.3 E	274	50	5.5
1987	May	57.15 N	176.3 E	150	40	3.8
1987	May	57.15 N	177.3 E	1757	371	4.7
1987	May	57.15 N	178.3 E	1059	430	2.5
1987	May	57.15 N	179.3 E	238	96	2.5
1987	May	57.45 N	177.3 W	13	19	0.7
1987	May	57.45 N	178.3 W	31	8	3.9
1987	May	57.45 N	179.3 W	95	78	1.2
1987	May	57.45 N	175.3 E	99	23	4.3
1987	May	57.45 N	176.3 E	501	98	5.1
1987	May	57.45 N	177.3 E	744	328	2.3
1987	May	57.45 N	178.3 E	359	117	3.1
1987	May	57.45 N	179.3 E	23	22	1.0
1987	May	58.15 N	179.3 W	31	12	2.6
1987	May	58.15 N	176.3 E	887	128	6.9

Table 5. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	May	58.15 N	177.3 E	471	126	3.7
1987	May	58.15 N	178.3 E	74	33	2.2
1987	May	58.15 N	179.3 E	253	102	2.5
1987	May	58.45 N	179.3 W	25	34	0.7
1987	May	58.45 N	177.3 E	440	128	3.4
1987	May	58.45 N	178.3 E	9	9	1.0
1987	Jun.	55.45 N	176.3 E	1	3	0.3
1987	Jun.	56.45 N	176.3 W	12	10	1.2
1987	Jun.	56.45 N	173.3 E	1	2	0.5
1987	Jun.	56.45 N	175.3 E	3	6	0.5
1987	Jun.	57.15 N	177.3 W	50	21	2.4
1987	Jun.	57.15 N	177.3 E	28	11	2.5
1987	Jun.	57.15 N	178.3 E	16	20	0.8
1987	Jun.	57.45 N	176.3 W	1	1	1.0
1987	Jun.	57.45 N	176.3 E	11	10	1.1
1987	Jun.	57.45 N	177.3 E	9	9	1.0
1987	Jun.	58.15 N	177.3 E	4	3	1.3
1987	Jul.	55.45 N	176.3 E	22	32	0.7
1987	Jul.	55.45 N	177.3 E	17	22	0.8
1987	Jul.	55.45 N	178.3 E	29	24	1.2
1987	Jul.	56.15 N	177.3 E	38	31	1.2
1987	Jul.	56.45 N	178.3 E	14	8	1.8
1987	Jul.	58.15 N	178.3 E	3	4	0.8
1987	Aug.	56.15 N	176.3 E	7	14	0.5
1987	Aug.	56.15 N	177.3 E	19	43	0.4
1987	Aug.	56.45 N	175.3 E	74	87	0.9
1987	Aug.	56.45 N	176.3 E	194	241	0.8
1987	Aug.	56.45 N	177.3 E	40	37	1.1
1987	Aug.	57.15 N	175.3 E	51	70	0.7
1987	Aug.	57.15 N	177.3 E	15	13	1.2
1987	Sep.	55.45 N	178.3 E	20	6	3.3
1987	Sep.	56.15 N	175.3 E	20	6	3.3
1987	Sep.	56.15 N	177.3 E	18	5	3.6
1987	Sep.	56.45 N	174.3 E	63	73	0.9
1987	Sep.	56.45 N	175.3 E	34	36	0.9
1987	Sep.	57.15 N	174.3 E	57	62	0.9
1987	Sep.	57.15 N	175.3 E	118	154	0.8
1987	Sep.	57.15 N	176.3 E	20	15	1.3
1987	Sep.	57.45 N	175.3 E	16	14	1.1
1987	Sep.	58.45 N	179.3 E	17	13	1.3
1987	Oct.	55.45 N	176.3 W	174	17	10.2
1987	Oct.	55.45 N	178.3 W	179	73	2.5
1987	Oct.	55.45 N	175.3 E	158	12	13.2
1987	Oct.	55.45 N	176.3 E	2659	156	17.0
1987	Oct.	55.45 N	177.3 E	142	57	2.5
1987	Oct.	55.45 N	178.3 E	56	14	4.0
1987	Oct.	55.45 N	179.3 E	32	12	2.7
1987	Oct.	56.15 N	176.3 W	221	30	7.4
1987	Oct.	56.15 N	177.3 W	156	39	4.0
1987	Oct.	56.15 N	179.3 W	29	11	2.6
1987	Oct.	56.15 N	173.3 E	703	83	8.5
1987	Oct.	56.15 N	174.3 E	1544	212	7.3
1987	Oct.	56.15 N	175.3 E	5266	627	8.4
1987	Oct.	56.15 N	176.3 E	11048	856	12.9
1987	Oct.	56.15 N	177.3 E	1793	120	14.9
1987	Oct.	56.15 N	178.3 E	119	12	9.9
1987	Oct.	56.15 N	179.3 E	118	30	3.9
1987	Oct.	56.45 N	176.3 W	346	41	8.4

Table 5. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Oct.	56.45 N	177.3 W	52	20	2.6
1987	Oct.	56.45 N	178.3 W	39	16	2.4
1987	Oct.	56.45 N	179.3 W	83	17	4.9
1987	Oct.	56.45 N	173.3 E	1244	248	5.0
1987	Oct.	56.45 N	174.3 E	3032	401	7.6
1987	Oct.	56.45 N	175.3 E	5435	462	11.8
1987	Oct.	56.45 N	176.3 E	10479	678	15.5
1987	Oct.	56.45 N	177.3 E	2619	226	11.6
1987	Oct.	56.45 N	178.3 E	60	17	3.5
1987	Oct.	57.15 N	176.3 W	21	8	2.6
1987	Oct.	57.15 N	177.3 W	21	10	2.1
1987	Oct.	57.15 N	178.3 W	27	11	2.5
1987	Oct.	57.15 N	174.3 E	63	20	3.2
1987	Oct.	57.15 N	175.3 E	1512	130	11.6
1987	Oct.	57.15 N	176.3 E	3600	243	14.8
1987	Oct.	57.15 N	177.3 E	696	73	9.5
1987	Oct.	57.15 N	178.3 E	35	15	2.3
1987	Oct.	57.15 N	179.3 E	10	7	1.4
1987	Oct.	57.45 N	178.3 W	65	21	3.1
1987	Oct.	57.45 N	179.3 W	20	10	2.0
1987	Oct.	57.45 N	175.3 E	75	36	2.1
1987	Oct.	57.45 N	178.3 E	15	9	1.7
1987	Oct.	57.45 N	179.3 E	81	27	3.0
1987	Nov.	55.45 N	176.3 W	506	37	13.7
1987	Nov.	55.45 N	177.3 W	293	17	17.2
1987	Nov.	55.45 N	175.3 E	157	19	8.3
1987	Nov.	55.45 N	176.3 E	8629	517	16.7
1987	Nov.	55.45 N	177.3 E	3149	164	19.2
1987	Nov.	55.45 N	178.3 E	169	33	5.1
1987	Nov.	55.45 N	179.3 E	30	12	2.5
1987	Nov.	56.15 N	176.3 W	113	26	4.3
1987	Nov.	56.15 N	177.3 W	20	5	4.0
1987	Nov.	56.15 N	173.3 E	7523	550	13.7
1987	Nov.	56.15 N	174.3 E	19468	1477	13.2
1987	Nov.	56.15 N	175.3 E	20166	1767	11.4
1987	Nov.	56.15 N	176.3 E	14249	895	15.9
1987	Nov.	56.15 N	177.3 E	3240	241	13.4
1987	Nov.	56.15 N	178.3 E	67	19	3.5
1987	Nov.	56.15 N	179.3 E	23	7	3.3
1987	Nov.	56.45 N	176.3 W	234	24	9.8
1987	Nov.	56.45 N	177.3 W	128	11	11.6
1987	Nov.	56.45 N	179.3 W	25	6	4.2
1987	Nov.	56.45 N	173.3 E	12070	814	14.8
1987	Nov.	56.45 N	174.3 E	20086	1276	15.7
1987	Nov.	56.45 N	175.3 E	15458	1048	14.8
1987	Nov.	56.45 N	176.3 E	11128	869	12.8
1987	Nov.	56.45 N	177.3 E	5047	400	12.6
1987	Nov.	56.45 N	178.3 E	216	22	9.8
1987	Nov.	56.45 N	179.3 E	119	5	23.8
1987	Nov.	57.15 N	177.3 W	55	18	3.1
1987	Nov.	57.15 N	175.3 E	1565	91	17.2
1987	Nov.	57.15 N	176.3 E	2604	202	12.9
1987	Nov.	57.15 N	177.3 E	1476	107	13.8
1987	Nov.	57.15 N	178.3 E	312	10	31.2
1987	Nov.	57.45 N	176.3 E	455	28	16.3
1987	Nov.	57.45 N	179.3 E	35	5	7.0
1987	Dec.	55.15 N	178.3 W	52	16	3.3
1987	Dec.	55.15 N	179.3 W	20	4	5.0

Table 5. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1987	Dec.	55.15 N	178.3 E	148	22	6.7
1987	Dec.	55.15 N	179.3 E	247	42	5.9
1987	Dec.	55.45 N	176.3 W	300	34	8.8
1987	Dec.	55.45 N	177.3 W	1017	152	6.7
1987	Dec.	55.45 N	178.3 W	1156	190	6.1
1987	Dec.	55.45 N	179.3 W	1523	262	5.8
1987	Dec.	55.45 N	175.3 E	439	30	14.6
1987	Dec.	55.45 N	176.3 E	12425	999	12.4
1987	Dec.	55.45 N	177.3 E	5661	721	7.9
1987	Dec.	55.45 N	178.3 E	9159	1056	8.7
1987	Dec.	55.45 N	179.3 E	6608	906	7.3
1987	Dec.	56.15 N	176.3 W	492	99	5.0
1987	Dec.	56.15 N	177.3 W	687	57	12.1
1987	Dec.	56.15 N	178.3 W	502	89	5.6
1987	Dec.	56.15 N	179.3 W	2406	373	6.5
1987	Dec.	56.15 N	173.3 E	877	53	16.5
1987	Dec.	56.15 N	174.3 E	5605	458	12.2
1987	Dec.	56.15 N	175.3 E	18054	1458	12.4
1987	Dec.	56.15 N	176.3 E	13626	1300	10.5
1987	Dec.	56.15 N	177.3 E	11319	1336	8.5
1987	Dec.	56.15 N	178.3 E	6959	841	8.3
1987	Dec.	56.15 N	179.3 E	5926	660	9.0
1987	Dec.	56.45 N	176.3 W	51	4	12.8
1987	Dec.	56.45 N	177.3 W	272	16	17.0
1987	Dec.	56.45 N	178.3 W	30	9	3.3
1987	Dec.	56.45 N	179.3 W	1237	113	10.9
1987	Dec.	56.45 N	173.3 E	344	32	10.8
1987	Dec.	56.45 N	174.3 E	1618	160	10.1
1987	Dec.	56.45 N	175.3 E	1555	217	7.2
1987	Dec.	56.45 N	176.3 E	2934	244	12.0
1987	Dec.	56.45 N	177.3 E	13087	863	15.2
1987	Dec.	56.45 N	178.3 E	5041	526	9.6
1987	Dec.	56.45 N	179.3 E	10042	998	10.1
1987	Dec.	57.15 N	177.3 W	15	5	3.0
1987	Dec.	57.15 N	179.3 W	724	85	8.5
1987	Dec.	57.15 N	175.3 E	170	39	4.4
1987	Dec.	57.15 N	176.3 E	1390	139	10.0
1987	Dec.	57.15 N	177.3 E	5018	425	11.8
1987	Dec.	57.15 N	178.3 E	1517	114	13.3
1987	Dec.	57.15 N	179.3 E	6405	752	8.5
1987	Dec.	57.45 N	177.3 E	381	30	12.7
1987	Dec.	57.45 N	178.3 E	25	7	3.6
1987	Dec.	58.15 N	178.3 W	42	20	2.1
1987	Dec.	58.15 N	179.3 W	90	32	2.8
1987	Dec.	58.15 N	178.3 E	35	10	3.5
1987	Dec.	58.15 N	179.3 E	132	63	2.1
1987	Dec.	58.45 N	179.3 E	20	11	1.8

Table 6. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1988.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Jan.	55.15 N	176.3 W	20	9	2.2
1988	Jan.	55.15 N	177.3 W	539	88	6.1
1988	Jan.	55.15 N	178.3 W	4522	851	5.3
1988	Jan.	55.15 N	179.3 W	3400	887	3.8
1988	Jan.	55.15 N	178.3 E	859	98	8.8
1988	Jan.	55.15 N	179.3 E	548	109	5.0
1988	Jan.	55.45 N	175.3 W	43	8	5.4
1988	Jan.	55.45 N	176.3 W	1311	216	6.1
1988	Jan.	55.45 N	177.3 W	1129	247	4.6
1988	Jan.	55.45 N	178.3 W	4911	908	5.4
1988	Jan.	55.45 N	179.3 W	7249	1483	4.9
1988	Jan.	55.45 N	175.3 E	959	82	11.7
1988	Jan.	55.45 N	176.3 E	11295	2037	5.5
1988	Jan.	55.45 N	177.3 E	1235	288	4.3
1988	Jan.	55.45 N	178.3 E	2831	433	6.5
1988	Jan.	55.45 N	179.3 E	6529	1166	5.6
1988	Jan.	56.15 N	176.3 W	731	144	5.1
1988	Jan.	56.15 N	177.3 W	2932	493	5.9
1988	Jan.	56.15 N	178.3 W	2500	544	4.6
1988	Jan.	56.15 N	179.3 W	3234	933	3.5
1988	Jan.	56.15 N	173.3 E	422	27	15.6
1988	Jan.	56.15 N	174.3 E	2364	154	15.4
1988	Jan.	56.15 N	175.3 E	4457	599	7.4
1988	Jan.	56.15 N	176.3 E	10014	1743	5.7
1988	Jan.	56.15 N	177.3 E	1930	264	7.3
1988	Jan.	56.15 N	178.3 E	1344	277	4.9
1988	Jan.	56.15 N	179.3 E	5361	1531	3.5
1988	Jan.	56.45 N	176.3 W	455	75	6.1
1988	Jan.	56.45 N	177.3 W	350	88	4.0
1988	Jan.	56.45 N	178.3 W	161	57	2.8
1988	Jan.	56.45 N	179.3 W	677	109	6.2
1988	Jan.	56.45 N	173.3 E	205	15	13.7
1988	Jan.	56.45 N	174.3 E	68	23	3.0
1988	Jan.	56.45 N	175.3 E	842	59	14.3
1988	Jan.	56.45 N	176.3 E	617	92	6.7
1988	Jan.	56.45 N	177.3 E	505	153	3.3
1988	Jan.	56.45 N	178.3 E	623	246	2.5
1988	Jan.	56.45 N	179.3 E	6499	1304	5.0
1988	Jan.	57.15 N	178.3 W	72	19	3.8
1988	Jan.	57.15 N	179.3 W	82	29	2.8
1988	Jan.	57.15 N	176.3 E	120	21	5.7
1988	Jan.	57.15 N	177.3 E	90	27	3.3
1988	Jan.	57.15 N	178.3 E	696	146	4.8
1988	Jan.	57.15 N	179.3 E	1115	265	4.2
1988	Jan.	57.45 N	177.3 W	38	7	5.4
1988	Jan.	57.45 N	178.3 W	45	17	2.6
1988	Jan.	57.45 N	178.3 E	25	9	2.8
1988	Jan.	57.45 N	179.3 E	27	13	2.1
1988	Jan.	58.15 N	178.3 W	7	2	3.5
1988	Feb.	55.15 N	177.3 W	86	31	2.8
1988	Feb.	55.15 N	179.3 W	628	243	2.6
1988	Feb.	55.15 N	179.3 E	3	8	0.4
1988	Feb.	55.45 N	176.3 W	138	111	1.2
1988	Feb.	55.45 N	177.3 W	227	139	1.6
1988	Feb.	55.45 N	178.3 W	2332	1200	1.9
1988	Feb.	55.45 N	179.3 W	3930	1836	2.1

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Feb.	55.45 N	176.3 E	58	23	2.5
1988	Feb.	55.45 N	177.3 E	269	64	4.2
1988	Feb.	55.45 N	178.3 E	653	167	3.9
1988	Feb.	55.45 N	179.3 E	122	24	5.1
1988	Feb.	56.15 N	176.3 W	7	16	0.4
1988	Feb.	56.15 N	177.3 W	638	310	2.1
1988	Feb.	56.15 N	178.3 W	1259	689	1.8
1988	Feb.	56.15 N	179.3 W	281	169	1.7
1988	Feb.	56.15 N	173.3 E	32	19	1.7
1988	Feb.	56.15 N	175.3 E	229	29	7.9
1988	Feb.	56.15 N	176.3 E	338	65	5.2
1988	Feb.	56.15 N	177.3 E	1143	127	9.0
1988	Feb.	56.15 N	178.3 E	228	93	2.5
1988	Feb.	56.15 N	179.3 E	319	109	2.9
1988	Feb.	56.45 N	176.3 W	27	32	0.8
1988	Feb.	56.45 N	177.3 W	190	75	2.5
1988	Feb.	56.45 N	178.3 W	525	228	2.3
1988	Feb.	56.45 N	179.3 W	362	131	2.8
1988	Feb.	56.45 N	174.3 E	41	22	1.9
1988	Feb.	56.45 N	175.3 E	201	52	3.9
1988	Feb.	56.45 N	176.3 E	117	22	5.3
1988	Feb.	56.45 N	177.3 E	515	69	7.5
1988	Feb.	56.45 N	178.3 E	72	34	2.1
1988	Feb.	56.45 N	179.3 E	182	64	2.8
1988	Feb.	57.15 N	177.3 W	2	10	0.2
1988	Feb.	57.15 N	178.3 W	56	51	1.1
1988	Feb.	57.15 N	179.3 W	80	31	2.6
1988	Feb.	57.15 N	174.3 E	41	10	4.1
1988	Feb.	57.15 N	175.3 E	168	36	4.7
1988	Feb.	57.15 N	176.3 E	32	23	1.4
1988	Feb.	57.15 N	177.3 E	435	96	4.5
1988	Feb.	57.15 N	178.3 E	43	19	2.3
1988	Feb.	57.15 N	179.3 E	313	62	5.0
1988	Feb.	57.45 N	179.3 W	22	22	1.0
1988	Feb.	57.45 N	176.3 E	174	43	4.0
1988	Feb.	57.45 N	177.3 E	132	90	1.5
1988	Feb.	57.45 N	178.3 E	139	70	2.0
1988	Feb.	57.45 N	179.3 E	80	34	2.4
1988	Feb.	58.15 N	178.3 W	1	9	0.1
1988	Feb.	58.15 N	179.3 W	25	47	0.5
1988	Feb.	58.15 N	178.3 E	125	40	3.1
1988	Feb.	58.15 N	179.3 E	8	21	0.4
1988	Feb.	58.45 N	179.3 E	8	9	0.9
1988	Mar.	55.15 N	178.3 W	70	7	10.0
1988	Mar.	55.15 N	179.3 W	72	24	3.0
1988	Mar.	55.45 N	176.3 W	352	134	2.6
1988	Mar.	55.45 N	177.3 W	243	141	1.7
1988	Mar.	55.45 N	178.3 W	33	32	1.0
1988	Mar.	55.45 N	179.3 W	312	146	2.1
1988	Mar.	55.45 N	176.3 E	255	34	7.5
1988	Mar.	55.45 N	177.3 E	514	145	3.5
1988	Mar.	55.45 N	178.3 E	88	40	2.2
1988	Mar.	55.45 N	179.3 E	193	107	1.8
1988	Mar.	56.15 N	176.3 W	104	23	4.5
1988	Mar.	56.15 N	177.3 W	164	57	2.9
1988	Mar.	56.15 N	178.3 W	100	34	2.9
1988	Mar.	56.15 N	179.3 W	55	29	1.9
1988	Mar.	56.15 N	173.3 E	253	46	5.5

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Mar.	56.15 N	174.3 E	430	132	3.3
1988	Mar.	56.15 N	175.3 E	857	203	4.2
1988	Mar.	56.15 N	176.3 E	1871	312	6.0
1988	Mar.	56.15 N	177.3 E	285	30	9.5
1988	Mar.	56.15 N	178.3 E	62	12	5.2
1988	Mar.	56.15 N	179.3 E	155	39	4.0
1988	Mar.	56.45 N	177.3 W	37	50	0.7
1988	Mar.	56.45 N	178.3 W	185	51	3.6
1988	Mar.	56.45 N	179.3 W	105	20	5.3
1988	Mar.	56.45 N	174.3 E	213	93	2.3
1988	Mar.	56.45 N	175.3 E	362	91	4.0
1988	Mar.	56.45 N	176.3 E	439	76	5.8
1988	Mar.	56.45 N	177.3 E	258	33	7.8
1988	Mar.	56.45 N	178.3 E	503	202	2.5
1988	Mar.	56.45 N	179.3 E	118	59	2.0
1988	Mar.	57.15 N	176.3 W	9	4	2.3
1988	Mar.	57.15 N	177.3 W	277	131	2.1
1988	Mar.	57.15 N	178.3 W	631	141	4.5
1988	Mar.	57.15 N	179.3 W	21	12	1.8
1988	Mar.	57.15 N	175.3 E	340	64	5.3
1988	Mar.	57.15 N	176.3 E	576	128	4.5
1988	Mar.	57.15 N	177.3 E	178	50	3.6
1988	Mar.	57.15 N	178.3 E	94	46	2.0
1988	Mar.	57.15 N	179.3 E	85	32	2.7
1988	Mar.	57.45 N	177.3 W	45	25	1.8
1988	Mar.	57.45 N	178.3 W	93	40	2.3
1988	Mar.	57.45 N	179.3 W	130	49	2.7
1988	Mar.	57.45 N	176.3 E	5	8	0.6
1988	Mar.	57.45 N	177.3 E	243	65	3.7
1988	Mar.	57.45 N	178.3 E	209	120	1.7
1988	Mar.	57.45 N	179.3 E	320	95	3.4
1988	Mar.	58.15 N	178.3 W	5	8	0.6
1988	Mar.	58.15 N	176.3 E	100	21	4.8
1988	Mar.	58.15 N	177.3 E	290	73	4.0
1988	Mar.	58.15 N	178.3 E	96	62	1.5
1988	Mar.	58.15 N	179.3 E	74	37	2.0
1988	Mar.	58.45 N	179.3 W	569	34	16.7
1988	Apr.	55.15 N	176.3 W	367	26	14.1
1988	Apr.	55.15 N	177.3 W	545	49	11.1
1988	Apr.	55.15 N	178.3 W	276	40	6.9
1988	Apr.	55.15 N	179.3 W	277	13	21.3
1988	Apr.	55.15 N	177.3 E	111	9	12.3
1988	Apr.	55.15 N	179.3 E	4	9	0.4
1988	Apr.	55.45 N	176.3 W	8321	618	13.5
1988	Apr.	55.45 N	177.3 W	5279	536	9.8
1988	Apr.	55.45 N	178.3 W	1048	121	8.7
1988	Apr.	55.45 N	179.3 W	198	56	3.5
1988	Apr.	55.45 N	176.3 E	288	102	2.8
1988	Apr.	55.45 N	177.3 E	400	113	3.5
1988	Apr.	55.45 N	178.3 E	321	178	1.8
1988	Apr.	55.45 N	179.3 E	299	83	3.6
1988	Apr.	56.15 N	176.3 W	279	58	4.8
1988	Apr.	56.15 N	177.3 W	1729	378	4.6
1988	Apr.	56.15 N	178.3 W	3736	478	7.8
1988	Apr.	56.15 N	179.3 W	1263	138	9.2
1988	Apr.	56.15 N	173.3 E	85	21	4.0
1988	Apr.	56.15 N	174.3 E	440	132	3.3
1988	Apr.	56.15 N	175.3 E	52	27	1.9

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Apr.	56.15 N	176.3 E	1109	333	3.3
1988	Apr.	56.15 N	177.3 E	778	220	3.5
1988	Apr.	56.15 N	178.3 E	695	124	5.6
1988	Apr.	56.15 N	179.3 E	392	89	4.4
1988	Apr.	56.45 N	176.3 W	300	38	7.9
1988	Apr.	56.45 N	177.3 W	2053	314	6.5
1988	Apr.	56.45 N	178.3 W	3687	363	10.2
1988	Apr.	56.45 N	179.3 W	2793	324	8.6
1988	Apr.	56.45 N	174.3 E	349	80	4.4
1988	Apr.	56.45 N	175.3 E	501	123	4.1
1988	Apr.	56.45 N	176.3 E	345	105	3.3
1988	Apr.	56.45 N	177.3 E	297	109	2.7
1988	Apr.	56.45 N	178.3 E	828	239	3.5
1988	Apr.	56.45 N	179.3 E	1626	303	5.4
1988	Apr.	57.15 N	176.3 W	10	6	1.7
1988	Apr.	57.15 N	177.3 W	1826	191	9.6
1988	Apr.	57.15 N	178.3 W	4691	563	8.3
1988	Apr.	57.15 N	179.3 W	227	102	2.2
1988	Apr.	57.15 N	175.3 E	30	22	1.4
1988	Apr.	57.15 N	176.3 E	225	69	3.3
1988	Apr.	57.15 N	177.3 E	220	87	2.5
1988	Apr.	57.15 N	178.3 E	387	153	2.5
1988	Apr.	57.15 N	179.3 E	325	117	2.8
1988	Apr.	57.45 N	177.3 W	110	32	3.4
1988	Apr.	57.45 N	178.3 W	254	141	1.8
1988	Apr.	57.45 N	179.3 W	439	233	1.9
1988	Apr.	57.45 N	176.3 E	72	34	2.1
1988	Apr.	57.45 N	177.3 E	186	79	2.4
1988	Apr.	57.45 N	178.3 E	259	89	2.9
1988	Apr.	57.45 N	179.3 E	104	80	1.3
1988	Apr.	58.15 N	178.3 W	410	69	5.9
1988	Apr.	58.15 N	179.3 W	679	239	2.8
1988	Apr.	58.15 N	176.3 E	26	17	1.5
1988	Apr.	58.15 N	177.3 E	20	10	2.0
1988	Apr.	58.15 N	178.3 E	32	20	1.6
1988	Apr.	58.15 N	179.3 E	504	77	6.5
1988	Apr.	58.45 N	178.3 W	170	16	10.6
1988	Apr.	58.45 N	179.3 W	2222	370	6.0
1988	Apr.	58.45 N	178.3 E	12	15	0.8
1988	Apr.	58.45 N	179.3 E	202	32	6.3
1988	May	55.45 N	176.3 W	115	21	5.5
1988	May	55.45 N	177.3 W	337	91	3.7
1988	May	55.45 N	178.3 W	369	174	2.1
1988	May	55.45 N	179.3 W	437	198	2.2
1988	May	55.45 N	176.3 E	80	14	5.7
1988	May	55.45 N	177.3 E	51	17	3.0
1988	May	55.45 N	178.3 E	48	23	2.1
1988	May	55.45 N	179.3 E	95	36	2.6
1988	May	56.15 N	176.3 W	32	19	1.7
1988	May	56.15 N	177.3 W	897	263	3.4
1988	May	56.15 N	178.3 W	758	251	3.0
1988	May	56.15 N	179.3 W	389	143	2.7
1988	May	56.15 N	174.3 E	11	7	1.6
1988	May	56.15 N	175.3 E	65	19	3.4
1988	May	56.15 N	176.3 E	191	35	5.5
1988	May	56.15 N	177.3 E	389	89	4.4
1988	May	56.15 N	178.3 E	497	148	3.4
1988	May	56.15 N	179.3 E	599	113	5.3

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	May	56.45 N	176.3 W	13	12	1.1
1988	May	56.45 N	177.3 W	257	90	2.9
1988	May	56.45 N	178.3 W	2810	607	4.6
1988	May	56.45 N	179.3 W	1368	370	3.7
1988	May	56.45 N	174.3 E	26	11	2.4
1988	May	56.45 N	175.3 E	524	232	2.3
1988	May	56.45 N	176.3 E	143	52	2.8
1988	May	56.45 N	177.3 E	366	169	2.2
1988	May	56.45 N	178.3 E	810	386	2.1
1988	May	56.45 N	179.3 E	847	285	3.0
1988	May	57.15 N	176.3 W	26	11	2.4
1988	May	57.15 N	177.3 W	277	84	3.3
1988	May	57.15 N	178.3 W	428	159	2.7
1988	May	57.15 N	179.3 W	250	126	2.0
1988	May	57.15 N	175.3 E	55	11	5.0
1988	May	57.15 N	176.3 E	172	89	1.9
1988	May	57.15 N	177.3 E	590	213	2.8
1988	May	57.15 N	178.3 E	511	262	2.0
1988	May	57.15 N	179.3 E	533	215	2.5
1988	May	57.45 N	177.3 W	52	8	6.5
1988	May	57.45 N	178.3 W	694	201	3.5
1988	May	57.45 N	179.3 W	313	119	2.6
1988	May	57.45 N	176.3 E	228	64	3.6
1988	May	57.45 N	177.3 E	351	102	3.4
1988	May	57.45 N	178.3 E	559	293	1.9
1988	May	57.45 N	179.3 E	414	216	1.9
1988	May	58.15 N	178.3 W	118	64	1.8
1988	May	58.15 N	179.3 W	292	143	2.0
1988	May	58.15 N	176.3 E	221	66	3.3
1988	May	58.15 N	177.3 E	171	44	3.9
1988	May	58.15 N	178.3 E	483	193	2.5
1988	May	58.15 N	179.3 E	191	88	2.2
1988	May	58.45 N	178.3 W	72	38	1.9
1988	May	58.45 N	177.3 E	12	12	1.0
1988	May	58.45 N	178.3 E	140	84	1.7
1988	May	58.45 N	179.3 E	119	57	2.1
1988	Jun.	55.15 N	179.3 W	13	11	1.2
1988	Jun.	55.45 N	176.3 W	19	15	1.3
1988	Jun.	55.45 N	177.3 W	257	106	2.4
1988	Jun.	55.45 N	178.3 W	70	31	2.3
1988	Jun.	55.45 N	179.3 W	229	77	3.0
1988	Jun.	55.45 N	176.3 E	17	19	0.9
1988	Jun.	55.45 N	178.3 E	78	34	2.3
1988	Jun.	55.45 N	179.3 E	14	11	1.3
1988	Jun.	56.15 N	177.3 W	337	101	3.3
1988	Jun.	56.15 N	178.3 W	378	177	2.1
1988	Jun.	56.15 N	179.3 W	322	142	2.3
1988	Jun.	56.15 N	177.3 E	63	80	0.8
1988	Jun.	56.15 N	178.3 E	306	147	2.1
1988	Jun.	56.15 N	179.3 E	129	52	2.5
1988	Jun.	56.45 N	176.3 W	32	12	2.7
1988	Jun.	56.45 N	177.3 W	555	179	3.1
1988	Jun.	56.45 N	178.3 W	364	148	2.5
1988	Jun.	56.45 N	179.3 W	530	194	2.7
1988	Jun.	56.45 N	175.3 E	48	11	4.4
1988	Jun.	56.45 N	176.3 E	35	28	1.3
1988	Jun.	56.45 N	177.3 E	217	120	1.8
1988	Jun.	56.45 N	178.3 E	122	74	1.6

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Jun.	56.45 N	179.3 E	159	71	2.2
1988	Jun.	57.15 N	176.3 W	153	30	5.1
1988	Jun.	57.15 N	177.3 W	636	189	3.4
1988	Jun.	57.15 N	178.3 W	432	153	2.8
1988	Jun.	57.15 N	179.3 W	419	141	3.0
1988	Jun.	57.15 N	176.3 E	53	34	1.6
1988	Jun.	57.15 N	177.3 E	122	112	1.1
1988	Jun.	57.15 N	178.3 E	333	183	1.8
1988	Jun.	57.15 N	179.3 E	148	80	1.9
1988	Jun.	57.45 N	177.3 W	361	54	6.7
1988	Jun.	57.45 N	178.3 W	1511	321	4.7
1988	Jun.	57.45 N	179.3 W	411	165	2.5
1988	Jun.	57.45 N	177.3 E	75	12	6.3
1988	Jun.	57.45 N	178.3 E	185	52	3.6
1988	Jun.	57.45 N	179.3 E	282	115	2.5
1988	Jun.	58.15 N	178.3 W	235	78	3.0
1988	Jun.	58.15 N	179.3 W	366	132	2.8
1988	Jun.	58.15 N	178.3 E	285	89	3.2
1988	Jun.	58.15 N	179.3 E	162	61	2.7
1988	Jun.	58.45 N	178.3 W	375	76	4.9
1988	Jun.	58.45 N	179.3 W	429	90	4.8
1988	Jun.	58.45 N	178.3 E	36	22	1.6
1988	Jun.	58.45 N	179.3 E	75	24	3.1
1988	Jul.	55.45 N	176.3 W	327	76	4.3
1988	Jul.	55.45 N	177.3 W	174	79	2.2
1988	Jul.	55.45 N	178.3 W	239	67	3.6
1988	Jul.	55.45 N	179.3 E	12	12	1.0
1988	Jul.	56.15 N	176.3 W	294	34	8.6
1988	Jul.	56.15 N	177.3 W	199	70	2.8
1988	Jul.	56.15 N	178.3 W	512	239	2.1
1988	Jul.	56.15 N	179.3 W	267	162	1.6
1988	Jul.	56.15 N	176.3 E	12	6	2.0
1988	Jul.	56.15 N	177.3 E	56	10	5.6
1988	Jul.	56.15 N	178.3 E	42	36	1.2
1988	Jul.	56.15 N	179.3 E	106	27	3.9
1988	Jul.	56.45 N	176.3 W	475	65	7.3
1988	Jul.	56.45 N	177.3 W	387	79	4.9
1988	Jul.	56.45 N	178.3 W	524	182	2.9
1988	Jul.	56.45 N	179.3 W	43	34	1.3
1988	Jul.	56.45 N	175.3 E	33	10	3.3
1988	Jul.	56.45 N	177.3 E	31	20	1.6
1988	Jul.	56.45 N	178.3 E	56	44	1.3
1988	Jul.	57.15 N	176.3 W	139	17	8.2
1988	Jul.	57.15 N	177.3 W	968	178	5.4
1988	Jul.	57.15 N	178.3 W	291	131	2.2
1988	Jul.	57.15 N	175.3 E	58	4	14.5
1988	Jul.	57.15 N	176.3 E	5	8	0.6
1988	Jul.	57.45 N	177.3 W	314	71	4.4
1988	Jul.	57.45 N	178.3 W	107	47	2.3
1988	Jul.	57.45 N	179.3 W	150	6	25.0
1988	Jul.	58.15 N	178.3 W	131	66	2.0
1988	Jul.	58.15 N	179.3 W	118	35	3.4
1988	Jul.	58.45 N	178.3 W	23	20	1.2
1988	Jul.	58.45 N	179.3 W	284	9	31.6
1988	Aug.	55.15 N	179.3 W	9	13	0.7
1988	Aug.	55.15 N	178.3 E	40	19	2.1
1988	Aug.	55.15 N	179.3 E	38	21	1.8
1988	Aug.	55.45 N	178.3 W	5	13	0.4

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Aug.	55.45 N	179.3 W	80	16	5.0
1988	Aug.	55.45 N	176.3 E	663	104	6.4
1988	Aug.	55.45 N	177.3 E	440	110	4.0
1988	Aug.	55.45 N	178.3 E	1052	322	3.3
1988	Aug.	55.45 N	179.3 E	552	174	3.2
1988	Aug.	56.15 N	178.3 W	28	11	2.5
1988	Aug.	56.15 N	179.3 W	411	80	5.1
1988	Aug.	56.15 N	173.3 E	286	37	7.7
1988	Aug.	56.15 N	174.3 E	405	64	6.3
1988	Aug.	56.15 N	175.3 E	575	141	4.1
1988	Aug.	56.15 N	176.3 E	740	132	5.6
1988	Aug.	56.15 N	177.3 E	619	105	5.9
1988	Aug.	56.15 N	178.3 E	265	50	5.3
1988	Aug.	56.15 N	179.3 E	42	8	5.3
1988	Aug.	56.45 N	177.3 W	227	22	10.3
1988	Aug.	56.45 N	178.3 W	145	8	18.1
1988	Aug.	56.45 N	173.3 E	1286	129	10.0
1988	Aug.	56.45 N	174.3 E	1976	187	10.6
1988	Aug.	56.45 N	175.3 E	967	97	10.0
1988	Aug.	56.45 N	176.3 E	290	69	4.2
1988	Aug.	56.45 N	178.3 E	24	28	0.9
1988	Aug.	57.15 N	176.3 W	15	16	0.9
1988	Aug.	57.15 N	177.3 W	926	93	10.0
1988	Aug.	57.15 N	178.3 W	277	24	11.5
1988	Aug.	57.15 N	179.3 W	22	10	2.2
1988	Aug.	57.15 N	174.3 E	32	11	2.9
1988	Aug.	57.15 N	175.3 E	557	77	7.2
1988	Aug.	57.15 N	176.3 E	105	21	5.0
1988	Aug.	57.15 N	177.3 E	75	24	3.1
1988	Aug.	57.15 N	178.3 E	65	38	1.7
1988	Aug.	57.15 N	179.3 E	186	54	3.4
1988	Aug.	57.45 N	177.3 W	21	9	2.3
1988	Aug.	57.45 N	178.3 W	254	29	8.8
1988	Aug.	57.45 N	179.3 W	211	27	7.8
1988	Aug.	57.45 N	176.3 E	66	8	8.3
1988	Aug.	57.45 N	177.3 E	44	13	3.4
1988	Aug.	57.45 N	178.3 E	215	77	2.8
1988	Aug.	57.45 N	179.3 E	60	35	1.7
1988	Aug.	58.15 N	178.3 W	350	26	13.5
1988	Aug.	58.15 N	179.3 W	53	8	6.6
1988	Aug.	58.15 N	178.3 E	40	9	4.4
1988	Aug.	58.45 N	179.3 W	220	15	14.7
1988	Sep.	55.45 N	175.3 W	56	11	5.1
1988	Sep.	55.45 N	176.3 W	27	9	3.0
1988	Sep.	55.45 N	177.3 W	13	12	1.1
1988	Sep.	55.45 N	176.3 E	61	8	7.6
1988	Sep.	56.15 N	176.3 W	29	17	1.7
1988	Sep.	56.15 N	173.3 E	102	9	11.3
1988	Sep.	56.15 N	174.3 E	97	23	4.2
1988	Sep.	56.15 N	175.3 E	5	4	1.3
1988	Sep.	56.15 N	176.3 E	209	82	2.5
1988	Sep.	56.15 N	178.3 E	65	13	5.0
1988	Sep.	56.15 N	179.3 E	64	30	2.1
1988	Sep.	56.45 N	177.3 W	45	11	4.1
1988	Sep.	56.45 N	179.3 W	425	73	5.8
1988	Sep.	56.45 N	173.3 E	3039	329	9.2
1988	Sep.	56.45 N	174.3 E	1343	126	10.7
1988	Sep.	56.45 N	175.3 E	521	58	9.0

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Sep.	56.45 N	178.3 E	67	30	2.2
1988	Sep.	56.45 N	179.3 E	82	46	1.8
1988	Sep.	57.15 N	179.3 W	49	10	4.9
1988	Sep.	57.15 N	174.3 E	2566	248	10.3
1988	Sep.	57.15 N	175.3 E	1045	106	9.9
1988	Sep.	57.15 N	176.3 E	788	79	10.0
1988	Sep.	57.15 N	177.3 E	202	19	10.6
1988	Sep.	57.15 N	179.3 E	12	9	1.3
1988	Sep.	57.45 N	175.3 E	893	55	16.2
1988	Sep.	57.45 N	176.3 E	1031	87	11.9
1988	Sep.	57.45 N	177.3 E	90	6	15.0
1988	Oct.	55.15 N	178.3 E	294	11	26.7
1988	Oct.	55.45 N	177.3 W	269	64	4.2
1988	Oct.	55.45 N	175.3 E	80	12	6.7
1988	Oct.	55.45 N	176.3 E	3355	343	9.8
1988	Oct.	55.45 N	177.3 E	5592	559	10.0
1988	Oct.	55.45 N	178.3 E	739	73	10.1
1988	Oct.	56.15 N	177.3 W	98	18	5.4
1988	Oct.	56.15 N	179.3 W	8	4	2.0
1988	Oct.	56.15 N	172.3 E	124	12	10.3
1988	Oct.	56.15 N	173.3 E	3111	284	11.0
1988	Oct.	56.15 N	174.3 E	10134	858	11.8
1988	Oct.	56.15 N	175.3 E	9895	958	10.3
1988	Oct.	56.15 N	176.3 E	8189	925	8.9
1988	Oct.	56.15 N	177.3 E	8627	750	11.5
1988	Oct.	56.15 N	178.3 E	7681	597	12.9
1988	Oct.	56.15 N	179.3 E	627	47	13.3
1988	Oct.	56.45 N	176.3 W	68	9	7.6
1988	Oct.	56.45 N	172.3 E	11	5	2.2
1988	Oct.	56.45 N	173.3 E	9015	867	10.4
1988	Oct.	56.45 N	174.3 E	10254	921	11.1
1988	Oct.	56.45 N	175.3 E	8934	783	11.4
1988	Oct.	56.45 N	176.3 E	3399	339	10.0
1988	Oct.	56.45 N	177.3 E	1686	283	6.0
1988	Oct.	56.45 N	178.3 E	10845	1090	9.9
1988	Oct.	56.45 N	179.3 E	4301	461	9.3
1988	Oct.	57.15 N	179.3 W	10	8	1.3
1988	Oct.	57.15 N	173.3 E	1765	193	9.1
1988	Oct.	57.15 N	174.3 E	5203	496	10.5
1988	Oct.	57.15 N	175.3 E	3897	429	9.1
1988	Oct.	57.15 N	176.3 E	15	5	3.0
1988	Oct.	57.15 N	178.3 E	343	73	4.7
1988	Oct.	57.15 N	179.3 E	382	86	4.4
1988	Oct.	57.45 N	175.3 E	488	61	8.0
1988	Nov.	55.15 N	177.3 E	18	12	1.5
1988	Nov.	55.45 N	176.3 W	83	11	7.5
1988	Nov.	55.45 N	179.3 W	70	20	3.5
1988	Nov.	55.45 N	175.3 E	654	58	11.3
1988	Nov.	55.45 N	176.3 E	7348	703	10.5
1988	Nov.	55.45 N	177.3 E	7245	768	9.4
1988	Nov.	55.45 N	178.3 E	1009	155	6.5
1988	Nov.	55.45 N	179.3 E	349	84	4.2
1988	Nov.	56.15 N	179.3 W	423	55	7.7
1988	Nov.	56.15 N	173.3 E	119	23	5.2
1988	Nov.	56.15 N	174.3 E	455	56	8.1
1988	Nov.	56.15 N	175.3 E	4602	502	9.2
1988	Nov.	56.15 N	176.3 E	7573	869	8.7
1988	Nov.	56.15 N	177.3 E	17937	1976	9.1

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Nov.	56.15 N	178.3 E	3779	396	9.5
1988	Nov.	56.15 N	179.3 E	1131	224	5.0
1988	Nov.	56.45 N	179.3 W	725	96	7.6
1988	Nov.	56.45 N	173.3 E	1237	120	10.3
1988	Nov.	56.45 N	174.3 E	2929	274	10.7
1988	Nov.	56.45 N	175.3 E	13263	1251	10.6
1988	Nov.	56.45 N	176.3 E	20145	1757	11.5
1988	Nov.	56.45 N	177.3 E	11664	1036	11.3
1988	Nov.	56.45 N	178.3 E	4675	575	8.1
1988	Nov.	56.45 N	179.3 E	1295	191	6.8
1988	Nov.	57.15 N	174.3 E	13496	1268	10.6
1988	Nov.	57.15 N	175.3 E	63034	4278	14.7
1988	Nov.	57.15 N	176.3 E	4937	467	10.6
1988	Nov.	57.15 N	177.3 E	2046	225	9.1
1988	Nov.	57.15 N	178.3 E	619	31	20.0
1988	Nov.	57.15 N	179.3 E	271	34	8.0
1988	Nov.	57.45 N	174.3 E	627	52	12.1
1988	Nov.	57.45 N	175.3 E	12492	558	22.4
1988	Nov.	57.45 N	176.3 E	110	17	6.5
1988	Nov.	57.45 N	177.3 E	86	11	7.8
1988	Dec.	55.15 N	176.3 W	342	66	5.2
1988	Dec.	55.15 N	177.3 W	2740	352	7.8
1988	Dec.	55.15 N	178.3 W	3346	623	5.4
1988	Dec.	55.15 N	179.3 W	5484	847	6.5
1988	Dec.	55.15 N	177.3 E	90	30	3.0
1988	Dec.	55.15 N	178.3 E	1573	210	7.5
1988	Dec.	55.15 N	179.3 E	5407	729	7.4
1988	Dec.	55.45 N	176.3 W	948	177	5.4
1988	Dec.	55.45 N	177.3 W	6823	1029	6.6
1988	Dec.	55.45 N	178.3 W	10971	1734	6.3
1988	Dec.	55.45 N	179.3 W	8217	1346	6.1
1988	Dec.	55.45 N	175.3 E	20	4	5.0
1988	Dec.	55.45 N	176.3 E	831	125	6.6
1988	Dec.	55.45 N	177.3 E	2597	413	6.3
1988	Dec.	55.45 N	178.3 E	8529	1103	7.7
1988	Dec.	55.45 N	179.3 E	14047	2044	6.9
1988	Dec.	56.15 N	176.3 W	507	108	4.7
1988	Dec.	56.15 N	177.3 W	1629	353	4.6
1988	Dec.	56.15 N	178.3 W	2633	500	5.3
1988	Dec.	56.15 N	179.3 W	4911	849	5.8
1988	Dec.	56.15 N	173.3 E	277	22	12.6
1988	Dec.	56.15 N	174.3 E	80	10	8.0
1988	Dec.	56.15 N	175.3 E	664	54	12.3
1988	Dec.	56.15 N	176.3 E	900	97	9.3
1988	Dec.	56.15 N	177.3 E	4893	595	8.2
1988	Dec.	56.15 N	178.3 E	12354	1305	9.5
1988	Dec.	56.15 N	179.3 E	12407	1602	7.7
1988	Dec.	56.45 N	176.3 W	81	17	4.8
1988	Dec.	56.45 N	177.3 W	45	16	2.8
1988	Dec.	56.45 N	178.3 W	158	44	3.6
1988	Dec.	56.45 N	179.3 W	3260	389	8.4
1988	Dec.	56.45 N	174.3 E	370	22	16.8
1988	Dec.	56.45 N	175.3 E	292	43	6.8
1988	Dec.	56.45 N	176.3 E	1304	194	6.7
1988	Dec.	56.45 N	177.3 E	1254	263	4.8
1988	Dec.	56.45 N	178.3 E	4002	557	7.2
1988	Dec.	56.45 N	179.3 E	11623	1838	6.3
1988	Dec.	57.15 N	179.3 W	234	39	6.0

Table 6. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1988	Dec.	57.15 N	175.3 E	1208	110	11.0
1988	Dec.	57.15 N	176.3 E	24382	3008	8.1
1988	Dec.	57.15 N	177.3 E	7453	1109	6.7
1988	Dec.	57.15 N	178.3 E	1150	191	6.0
1988	Dec.	57.15 N	179.3 E	1242	173	7.2
1988	Dec.	57.45 N	178.3 W	79	8	9.9
1988	Dec.	57.45 N	176.3 E	5028	761	6.6
1988	Dec.	57.45 N	177.3 E	980	214	4.6
1988	Dec.	57.45 N	178.3 E	366	64	5.7
1988	Dec.	57.45 N	179.3 E	145	15	9.7

Table 7. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1989.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Jan.	55.15 N	177.3 W	66	31	2.1
1989	Jan.	55.15 N	178.3 W	78	21	3.7
1989	Jan.	55.15 N	179.3 W	33	7	4.7
1989	Jan.	55.15 N	178.3 E	94	32	2.9
1989	Jan.	55.15 N	179.3 E	306	115	2.7
1989	Jan.	55.45 N	176.3 W	1316	330	4.0
1989	Jan.	55.45 N	177.3 W	2068	776	2.7
1989	Jan.	55.45 N	178.3 W	961	485	2.0
1989	Jan.	55.45 N	179.3 W	1664	615	2.7
1989	Jan.	55.45 N	175.3 E	145	36	4.0
1989	Jan.	55.45 N	176.3 E	2291	453	5.1
1989	Jan.	55.45 N	177.3 E	12134	2378	5.1
1989	Jan.	55.45 N	178.3 E	8362	1797	4.7
1989	Jan.	55.45 N	179.3 E	3644	1349	2.7
1989	Jan.	56.15 N	176.3 W	309	82	3.8
1989	Jan.	56.15 N	177.3 W	5562	2574	2.2
1989	Jan.	56.15 N	178.3 W	3398	1800	1.9
1989	Jan.	56.15 N	179.3 W	1018	357	2.9
1989	Jan.	56.15 N	172.3 E	238	22	10.8
1989	Jan.	56.15 N	173.3 E	70	19	3.7
1989	Jan.	56.15 N	174.3 E	961	122	7.9
1989	Jan.	56.15 N	175.3 E	966	153	6.3
1989	Jan.	56.15 N	176.3 E	763	141	5.4
1989	Jan.	56.15 N	177.3 E	3762	772	4.9
1989	Jan.	56.15 N	178.3 E	9786	1667	5.9
1989	Jan.	56.15 N	179.3 E	2159	678	3.2
1989	Jan.	56.45 N	177.3 W	4	10	0.4
1989	Jan.	56.45 N	178.3 W	181	11	16.5
1989	Jan.	56.45 N	179.3 W	229	71	3.2
1989	Jan.	56.45 N	173.3 E	162	27	6.0
1989	Jan.	56.45 N	174.3 E	404	56	7.2
1989	Jan.	56.45 N	175.3 E	565	97	5.8
1989	Jan.	56.45 N	176.3 E	153	32	4.8
1989	Jan.	56.45 N	177.3 E	75	28	2.7
1989	Jan.	56.45 N	178.3 E	60	15	4.0
1989	Jan.	56.45 N	179.3 E	382	188	2.0
1989	Jan.	57.15 N	178.3 W	18	7	2.6
1989	Jan.	57.15 N	175.3 E	449	46	9.8
1989	Jan.	57.15 N	179.3 E	5	10	0.5
1989	Jan.	57.45 N	178.3 W	5	6	0.8
1989	Jan.	57.45 N	179.3 W	46	13	3.5
1989	Feb.	55.15 N	176.3 W	37	38	1.0
1989	Feb.	55.15 N	177.3 W	28	30	0.9
1989	Feb.	55.15 N	178.3 W	52	21	2.5
1989	Feb.	55.45 N	175.3 W	411	361	1.1
1989	Feb.	55.45 N	176.3 W	3982	2550	1.6
1989	Feb.	55.45 N	177.3 W	222	167	1.3
1989	Feb.	55.45 N	178.3 W	21	26	0.8
1989	Feb.	55.45 N	179.3 W	200	81	2.5
1989	Feb.	55.45 N	175.3 E	45	10	4.5
1989	Feb.	55.45 N	176.3 E	270	39	6.9
1989	Feb.	55.45 N	177.3 E	457	99	4.6
1989	Feb.	55.45 N	178.3 E	196	81	2.4
1989	Feb.	55.45 N	179.3 E	286	79	3.6
1989	Feb.	56.15 N	176.3 W	5118	3140	1.6
1989	Feb.	56.15 N	177.3 W	292	201	1.5

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Feb.	56.15 N	178.3 W	77	41	1.9
1989	Feb.	56.15 N	172.3 E	75	14	5.4
1989	Feb.	56.15 N	173.3 E	77	15	5.1
1989	Feb.	56.15 N	174.3 E	705	143	4.9
1989	Feb.	56.15 N	175.3 E	817	128	6.4
1989	Feb.	56.15 N	176.3 E	1102	289	3.8
1989	Feb.	56.15 N	177.3 E	276	106	2.6
1989	Feb.	56.15 N	178.3 E	330	163	2.0
1989	Feb.	56.15 N	179.3 E	57	35	1.6
1989	Feb.	56.45 N	176.3 W	6	10	0.6
1989	Feb.	56.45 N	177.3 W	50	11	4.5
1989	Feb.	56.45 N	178.3 W	23	20	1.2
1989	Feb.	56.45 N	179.3 W	30	8	3.8
1989	Feb.	56.45 N	174.3 E	125	23	5.4
1989	Feb.	56.45 N	175.3 E	992	22	45.1
1989	Feb.	56.45 N	176.3 E	745	96	7.8
1989	Feb.	56.45 N	178.3 E	45	22	2.0
1989	Feb.	57.15 N	178.3 W	12	22	0.5
1989	Feb.	57.15 N	176.3 E	80	24	3.3
1989	Feb.	57.15 N	179.3 E	41	50	0.8
1989	Feb.	57.45 N	178.3 W	2	9	0.2
1989	Feb.	57.45 N	179.3 E	1	10	0.1
1989	Feb.	58.15 N	178.3 E	1	14	0.1
1989	Feb.	58.45 N	179.3 W	2	13	0.2
1989	Mar.	55.15 N	176.3 W	2215	161	13.8
1989	Mar.	55.15 N	177.3 W	13197	686	19.2
1989	Mar.	55.15 N	178.3 W	474	69	6.9
1989	Mar.	55.15 N	179.3 W	82	15	5.5
1989	Mar.	55.15 N	178.3 E	14	8	1.8
1989	Mar.	55.45 N	175.3 W	108	34	3.2
1989	Mar.	55.45 N	176.3 W	5089	841	6.1
1989	Mar.	55.45 N	177.3 W	2729	317	8.6
1989	Mar.	55.45 N	178.3 W	20	28	0.7
1989	Mar.	55.45 N	179.3 W	12	11	1.1
1989	Mar.	55.45 N	175.3 E	50	22	2.3
1989	Mar.	55.45 N	177.3 E	135	39	3.5
1989	Mar.	55.45 N	179.3 E	46	59	0.8
1989	Mar.	56.15 N	176.3 W	462	59	7.8
1989	Mar.	56.15 N	177.3 W	38	43	0.9
1989	Mar.	56.15 N	179.3 W	60	45	1.3
1989	Mar.	56.15 N	172.3 E	40	8	5.0
1989	Mar.	56.15 N	173.3 E	11	9	1.2
1989	Mar.	56.15 N	174.3 E	629	208	3.0
1989	Mar.	56.15 N	175.3 E	538	153	3.5
1989	Mar.	56.15 N	176.3 E	270	126	2.1
1989	Mar.	56.15 N	177.3 E	77	81	1.0
1989	Mar.	56.15 N	179.3 E	20	33	0.6
1989	Mar.	56.45 N	176.3 W	29	22	1.3
1989	Mar.	56.45 N	177.3 W	6	11	0.5
1989	Mar.	56.45 N	179.3 W	6	19	0.3
1989	Mar.	56.45 N	174.3 E	138	73	1.9
1989	Mar.	56.45 N	175.3 E	120	53	2.3
1989	Mar.	56.45 N	176.3 E	223	80	2.8
1989	Mar.	56.45 N	177.3 E	40	31	1.3
1989	Mar.	56.45 N	178.3 E	3	18	0.2
1989	Mar.	57.15 N	177.3 W	1	13	0.1
1989	Mar.	57.15 N	175.3 E	65	16	4.1
1989	Mar.	57.15 N	177.3 E	91	40	2.3

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Mar.	57.15 N	178.3 E	215	96	2.2
1989	Mar.	57.15 N	179.3 E	1	13	0.1
1989	Mar.	57.45 N	178.3 W	1	27	0.0
1989	Mar.	57.45 N	179.3 W	0	10	0.0
1989	Mar.	57.45 N	175.3 E	65	12	5.4
1989	Mar.	57.45 N	178.3 E	0	13	0.0
1989	Mar.	57.45 N	179.3 E	2	22	0.1
1989	Mar.	58.15 N	177.3 W	0	13	0.0
1989	Mar.	58.15 N	179.3 W	11	18	0.6
1989	Mar.	58.15 N	179.3 E	8	16	0.5
1989	Mar.	58.45 N	178.3 E	10	68	0.1
1989	Mar.	58.45 N	179.3 E	25	9	2.8
1989	Mar.	58.45 N	179.3 E	734	521	1.4
1989	Mar.	59.15 N	179.3 W	1	12	0.1
1989	Apr.	55.15 N	176.3 W	1309	102	12.8
1989	Apr.	55.15 N	177.3 W	4404	276	16.0
1989	Apr.	55.15 N	178.3 W	205	14	14.6
1989	Apr.	55.45 N	175.3 W	1575	83	19.0
1989	Apr.	55.45 N	176.3 W	17724	1199	14.8
1989	Apr.	55.45 N	177.3 W	2872	157	18.3
1989	Apr.	55.45 N	178.3 W	40	3	13.3
1989	Apr.	55.45 N	179.3 W	90	4	22.5
1989	Apr.	56.15 N	176.3 W	6145	461	13.3
1989	Apr.	56.15 N	177.3 W	1466	98	15.0
1989	Apr.	56.15 N	179.3 E	157	37	4.2
1989	Apr.	56.45 N	176.3 W	11855	695	17.1
1989	Apr.	56.45 N	177.3 W	2124	150	14.2
1989	Apr.	56.45 N	178.3 W	671	84	8.0
1989	Apr.	56.45 N	179.3 W	2280	322	7.1
1989	Apr.	56.45 N	177.3 E	143	19	7.5
1989	Apr.	56.45 N	178.3 E	117	24	4.9
1989	Apr.	56.45 N	179.3 E	1295	206	6.3
1989	Apr.	57.15 N	176.3 W	5862	423	13.9
1989	Apr.	57.15 N	177.3 W	1287	178	7.2
1989	Apr.	57.15 N	178.3 W	3762	294	12.8
1989	Apr.	57.15 N	179.3 W	427	61	7.0
1989	Apr.	57.15 N	177.3 E	304	45	6.8
1989	Apr.	57.15 N	178.3 E	362	69	5.2
1989	Apr.	57.15 N	179.3 E	276	88	3.1
1989	Apr.	57.45 N	177.3 W	701	70	10.0
1989	Apr.	57.45 N	178.3 W	4546	403	11.3
1989	Apr.	57.45 N	179.3 W	913	93	9.8
1989	Apr.	57.45 N	177.3 E	257	44	5.8
1989	Apr.	57.45 N	178.3 E	110	35	3.1
1989	Apr.	57.45 N	179.3 E	228	34	6.7
1989	Apr.	58.15 N	177.3 W	516	43	12.0
1989	Apr.	58.15 N	178.3 W	6194	637	9.7
1989	Apr.	58.15 N	179.3 W	1260	137	9.2
1989	Apr.	58.15 N	179.3 E	47	11	4.3
1989	Apr.	58.45 N	178.3 W	2338	225	10.4
1989	Apr.	58.45 N	179.3 W	3130	257	12.2
1989	Apr.	58.45 N	179.3 E	25	10	2.5
1989	Apr.	59.15 N	179.3 W	101	14	7.2
1989	May	56.15 N	176.3 W	200	44	4.5
1989	May	56.15 N	173.3 E	101	13	7.8
1989	May	56.45 N	176.3 W	1329	128	10.4
1989	May	56.45 N	177.3 W	2025	207	9.8
1989	May	56.45 N	173.3 E	6	6	1.0

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	May	57.15 N	176.3 W	2388	220	10.9
1989	May	57.15 N	177.3 W	18178	2091	8.7
1989	May	57.15 N	178.3 W	205	38	5.4
1989	May	57.15 N	177.3 E	203	25	8.1
1989	May	57.45 N	176.3 W	714	69	10.3
1989	May	57.45 N	177.3 W	10097	1248	8.1
1989	May	57.45 N	178.3 W	273	21	13.0
1989	May	57.45 N	176.3 E	381	44	8.7
1989	May	57.45 N	177.3 E	782	71	11.0
1989	May	57.45 N	179.3 E	50	6	8.3
1989	May	58.15 N	178.3 W	721	92	7.8
1989	May	58.15 N	177.3 E	52	8	6.5
1989	May	58.45 N	178.3 W	2278	259	8.8
1989	May	58.45 N	179.3 W	2596	218	11.9
1989	Jun.	55.15 N	178.3 W	214	31	6.9
1989	Jun.	55.45 N	178.3 W	335	114	2.9
1989	Jun.	56.15 N	176.3 W	50	23	2.2
1989	Jun.	56.45 N	177.3 W	15	10	1.5
1989	Jun.	56.45 N	178.3 E	216	31	7.0
1989	Jun.	57.15 N	176.3 W	528	43	12.3
1989	Jun.	57.15 N	177.3 W	7	6	1.2
1989	Jun.	57.15 N	179.3 W	87	22	4.0
1989	Jun.	57.15 N	177.3 E	521	71	7.3
1989	Jun.	57.15 N	178.3 E	282	35	8.1
1989	Jun.	57.45 N	176.3 W	943	101	9.3
1989	Jun.	57.45 N	177.3 W	4062	266	15.3
1989	Jun.	57.45 N	179.3 W	99	15	6.6
1989	Jun.	57.45 N	176.3 E	99	11	9.0
1989	Jun.	57.45 N	177.3 E	122	16	7.6
1989	Jun.	57.45 N	178.3 E	321	35	9.2
1989	Jun.	57.45 N	179.3 E	138	14	9.9
1989	Jun.	58.15 N	177.3 W	128	10	12.8
1989	Jun.	58.15 N	178.3 W	262	19	13.8
1989	Jun.	58.15 N	176.3 E	125	26	4.8
1989	Jun.	58.15 N	178.3 E	241	36	6.7
1989	Jul.	55.15 N	177.3 W	60	6	10.0
1989	Jul.	55.15 N	178.3 W	53	16	3.3
1989	Jul.	55.15 N	179.3 W	275	48	5.7
1989	Jul.	55.45 N	176.3 W	761	167	4.6
1989	Jul.	55.45 N	177.3 W	149	16	9.3
1989	Jul.	55.45 N	179.3 W	251	54	4.6
1989	Jul.	55.45 N	179.3 E	67	23	2.9
1989	Jul.	56.15 N	176.3 W	462	92	5.0
1989	Jul.	56.15 N	177.3 W	209	35	6.0
1989	Jul.	56.15 N	178.3 W	142	19	7.5
1989	Jul.	56.15 N	179.3 W	17	11	1.5
1989	Jul.	56.15 N	173.3 E	0	1	0.0
1989	Jul.	56.15 N	174.3 E	6	16	0.4
1989	Jul.	56.45 N	176.3 W	199	40	5.0
1989	Jul.	56.45 N	177.3 W	132	32	4.1
1989	Jul.	57.15 N	178.3 E	38	11	3.5
1989	Jul.	57.45 N	177.3 W	94	29	3.2
1989	Jul.	57.45 N	179.3 E	0	2	0.0
1989	Jul.	58.15 N	177.3 W	69	34	2.0
1989	Jul.	58.15 N	178.3 W	239	74	3.2
1989	Jul.	58.45 N	178.3 W	237	55	4.3
1989	Aug.	55.15 N	178.3 W	762	91	8.4
1989	Aug.	55.15 N	179.3 W	376	39	9.6

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Aug.	55.45 N	176.3 W	351	64	5.5
1989	Aug.	55.45 N	177.3 W	383	86	4.5
1989	Aug.	55.45 N	178.3 W	87	23	3.8
1989	Aug.	55.45 N	177.3 E	82	28	2.9
1989	Aug.	55.45 N	178.3 E	95	35	2.7
1989	Aug.	56.15 N	176.3 W	191	86	2.2
1989	Aug.	56.15 N	177.3 W	479	100	4.8
1989	Aug.	56.15 N	178.3 W	1333	224	6.0
1989	Aug.	56.15 N	179.3 W	522	79	6.6
1989	Aug.	56.15 N	175.3 E	313	62	5.0
1989	Aug.	56.15 N	177.3 E	77	19	4.1
1989	Aug.	56.15 N	178.3 E	114	15	7.6
1989	Aug.	56.45 N	176.3 W	557	167	3.3
1989	Aug.	56.45 N	177.3 W	146	61	2.4
1989	Aug.	56.45 N	178.3 W	840	156	5.4
1989	Aug.	56.45 N	179.3 W	1611	315	5.1
1989	Aug.	56.45 N	173.3 E	45	23	2.0
1989	Aug.	56.45 N	174.3 E	74	23	3.2
1989	Aug.	56.45 N	175.3 E	424	94	4.5
1989	Aug.	56.45 N	176.3 E	108	20	5.4
1989	Aug.	56.45 N	177.3 E	41	21	2.0
1989	Aug.	56.45 N	179.3 E	112	34	3.3
1989	Aug.	57.15 N	176.3 W	640	104	6.2
1989	Aug.	57.15 N	177.3 W	227	67	3.4
1989	Aug.	57.15 N	178.3 W	227	34	6.7
1989	Aug.	57.15 N	179.3 W	179	29	6.2
1989	Aug.	57.15 N	178.3 E	210	14	15.0
1989	Aug.	57.45 N	177.3 W	439	92	4.8
1989	Aug.	57.45 N	178.3 W	349	74	4.7
1989	Aug.	57.45 N	177.3 E	354	70	5.1
1989	Aug.	57.45 N	178.3 E	129	21	6.1
1989	Sep.	55.15 N	178.3 W	51	16	3.2
1989	Sep.	55.15 N	179.3 W	54	14	3.9
1989	Sep.	55.45 N	176.3 W	106	12	8.8
1989	Sep.	55.45 N	178.3 W	98	25	3.9
1989	Sep.	55.45 N	179.3 W	616	126	4.9
1989	Sep.	55.45 N	179.3 E	46	10	4.6
1989	Sep.	56.15 N	178.3 W	56	38	1.5
1989	Sep.	56.15 N	179.3 W	130	27	4.8
1989	Sep.	56.15 N	179.3 E	113	39	2.9
1989	Sep.	56.45 N	177.3 W	15	4	3.8
1989	Sep.	56.45 N	178.3 W	288	42	6.9
1989	Sep.	56.45 N	179.3 W	145	25	5.8
1989	Sep.	56.45 N	175.3 E	50	5	10.0
1989	Sep.	56.45 N	177.3 E	254	38	6.7
1989	Sep.	56.45 N	178.3 E	516	89	5.8
1989	Sep.	56.45 N	179.3 E	396	107	3.7
1989	Sep.	57.15 N	176.3 W	285	24	11.9
1989	Sep.	57.15 N	177.3 W	268	35	7.7
1989	Sep.	57.15 N	178.3 W	631	79	8.0
1989	Sep.	57.15 N	179.3 W	121	36	3.4
1989	Sep.	57.15 N	177.3 E	1327	279	4.8
1989	Sep.	57.15 N	178.3 E	1010	163	6.2
1989	Sep.	57.15 N	179.3 E	475	103	4.6
1989	Sep.	57.45 N	176.3 W	1172	119	9.8
1989	Sep.	57.45 N	177.3 W	815	151	5.4
1989	Sep.	57.45 N	178.3 W	473	90	5.3
1989	Sep.	57.45 N	179.3 W	246	22	11.2

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Sep.	57.45 N	175.3 E	120	11	10.9
1989	Sep.	57.45 N	176.3 E	330	70	4.7
1989	Sep.	57.45 N	177.3 E	1808	282	6.4
1989	Sep.	57.45 N	178.3 E	592	125	4.7
1989	Sep.	57.45 N	179.3 E	402	48	8.4
1989	Sep.	58.15 N	177.3 W	1396	200	7.0
1989	Sep.	58.15 N	178.3 W	124	33	3.8
1989	Sep.	58.15 N	176.3 E	1744	261	6.7
1989	Sep.	58.15 N	177.3 E	1714	323	5.3
1989	Sep.	58.45 N	176.3 E	47	12	3.9
1989	Sep.	58.45 N	177.3 E	1022	246	4.2
1989	Sep.	58.45 N	178.3 E	268	60	4.5
1989	Oct.	55.45 N	177.3 E	15	11	1.4
1989	Oct.	55.45 N	178.3 E	43	30	1.4
1989	Oct.	56.15 N	173.3 E	1092	183	6.0
1989	Oct.	56.15 N	174.3 E	161	29	5.6
1989	Oct.	56.15 N	175.3 E	50	9	5.6
1989	Oct.	56.15 N	176.3 E	290	28	10.4
1989	Oct.	56.15 N	177.3 E	82	23	3.6
1989	Oct.	56.15 N	178.3 E	70	39	1.8
1989	Oct.	56.15 N	179.3 E	51	19	2.7
1989	Oct.	56.45 N	179.3 W	3	13	0.2
1989	Oct.	56.45 N	172.3 E	100	17	5.9
1989	Oct.	56.45 N	173.3 E	1238	202	6.1
1989	Oct.	56.45 N	174.3 E	656	115	5.7
1989	Oct.	56.45 N	175.3 E	712	176	4.0
1989	Oct.	56.45 N	176.3 E	684	104	6.6
1989	Oct.	56.45 N	177.3 E	112	45	2.5
1989	Oct.	56.45 N	178.3 E	1064	327	3.3
1989	Oct.	56.45 N	179.3 E	71	24	3.0
1989	Oct.	57.15 N	176.3 W	1021	96	10.6
1989	Oct.	57.15 N	174.3 E	1201	212	5.7
1989	Oct.	57.15 N	175.3 E	5429	632	8.6
1989	Oct.	57.15 N	176.3 E	2060	240	8.6
1989	Oct.	57.15 N	177.3 E	1788	283	6.3
1989	Oct.	57.15 N	178.3 E	276	50	5.5
1989	Oct.	57.45 N	176.3 W	251	52	4.8
1989	Oct.	57.45 N	177.3 W	57	15	3.6
1989	Oct.	57.45 N	175.3 E	4316	540	8.0
1989	Oct.	57.45 N	176.3 E	4428	492	9.0
1989	Oct.	57.45 N	177.3 E	1985	333	6.0
1989	Oct.	57.45 N	179.3 E	25	10	2.5
1989	Oct.	58.15 N	177.3 W	550	63	8.7
1989	Oct.	58.15 N	178.3 W	42	10	4.2
1989	Oct.	58.15 N	175.3 E	2097	178	11.8
1989	Oct.	58.15 N	176.3 E	18531	1973	9.4
1989	Oct.	58.15 N	177.3 E	8269	1068	7.7
1989	Oct.	58.15 N	178.3 E	394	120	3.3
1989	Oct.	58.15 N	179.3 E	35	21	1.7
1989	Oct.	58.45 N	176.3 E	165	19	8.7
1989	Oct.	58.45 N	177.3 E	2056	295	7.0
1989	Oct.	58.45 N	178.3 E	140	43	3.3
1989	Nov.	55.15 N	179.3 W	74	10	7.4
1989	Nov.	55.15 N	179.3 E	61	19	3.2
1989	Nov.	55.45 N	178.3 W	30	9	3.3
1989	Nov.	55.45 N	175.3 E	25	17	1.5
1989	Nov.	55.45 N	176.3 E	3301	666	5.0
1989	Nov.	55.45 N	177.3 E	3744	599	6.3

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Nov.	55.45 N	178.3 E	542	85	6.4
1989	Nov.	55.45 N	179.3 E	365	65	5.6
1989	Nov.	56.15 N	176.3 W	94	17	5.5
1989	Nov.	56.15 N	177.3 W	48	11	4.4
1989	Nov.	56.15 N	172.3 E	46	7	6.6
1989	Nov.	56.15 N	173.3 E	10213	1290	7.9
1989	Nov.	56.15 N	174.3 E	15045	2507	6.0
1989	Nov.	56.15 N	175.3 E	13105	2760	4.7
1989	Nov.	56.15 N	176.3 E	10849	2335	4.6
1989	Nov.	56.15 N	177.3 E	4720	652	7.2
1989	Nov.	56.15 N	178.3 E	805	126	6.4
1989	Nov.	56.45 N	172.3 E	313	63	5.0
1989	Nov.	56.45 N	173.3 E	3506	603	5.8
1989	Nov.	56.45 N	174.3 E	8328	1361	6.1
1989	Nov.	56.45 N	175.3 E	4681	1020	4.6
1989	Nov.	56.45 N	176.3 E	3447	622	5.5
1989	Nov.	56.45 N	177.3 E	3028	441	6.9
1989	Nov.	56.45 N	178.3 E	190	39	4.9
1989	Nov.	57.15 N	174.3 E	1057	210	5.0
1989	Nov.	57.15 N	175.3 E	6375	883	7.2
1989	Nov.	57.15 N	176.3 E	3018	416	7.3
1989	Nov.	57.15 N	177.3 E	166	38	4.4
1989	Nov.	57.15 N	178.3 E	147	39	3.8
1989	Nov.	57.45 N	174.3 E	13	7	1.9
1989	Nov.	57.45 N	175.3 E	4074	528	7.7
1989	Nov.	57.45 N	176.3 E	4162	612	6.8
1989	Nov.	57.45 N	177.3 E	53	26	2.0
1989	Nov.	58.15 N	175.3 E	95	17	5.6
1989	Nov.	58.15 N	176.3 E	2586	522	5.0
1989	Nov.	58.15 N	177.3 E	508	103	4.9
1989	Nov.	58.45 N	176.3 E	61	19	3.2
1989	Nov.	58.45 N	177.3 E	148	34	4.4
1989	Dec.	55.45 N	177.3 W	22	4	5.5
1989	Dec.	55.45 N	175.3 E	155	21	7.4
1989	Dec.	55.45 N	176.3 E	222	62	3.6
1989	Dec.	55.45 N	177.3 E	927	306	3.0
1989	Dec.	55.45 N	178.3 E	460	109	4.2
1989	Dec.	55.45 N	179.3 E	370	95	3.9
1989	Dec.	56.15 N	178.3 W	50	21	2.4
1989	Dec.	56.15 N	172.3 E	164	16	10.3
1989	Dec.	56.15 N	173.3 E	927	152	6.1
1989	Dec.	56.15 N	174.3 E	120	24	5.0
1989	Dec.	56.15 N	175.3 E	697	66	10.6
1989	Dec.	56.15 N	176.3 E	136	46	3.0
1989	Dec.	56.15 N	177.3 E	15343	2407	6.4
1989	Dec.	56.15 N	178.3 E	25556	4515	5.7
1989	Dec.	56.15 N	179.3 E	2373	626	3.8
1989	Dec.	56.45 N	177.3 W	100	19	5.3
1989	Dec.	56.45 N	178.3 W	31	11	2.8
1989	Dec.	56.45 N	172.3 E	90	17	5.3
1989	Dec.	56.45 N	173.3 E	1289	225	5.7
1989	Dec.	56.45 N	174.3 E	948	196	4.8
1989	Dec.	56.45 N	176.3 E	56	29	1.9
1989	Dec.	56.45 N	177.3 E	15557	2692	5.8
1989	Dec.	56.45 N	178.3 E	116094	17504	6.6
1989	Dec.	56.45 N	179.3 E	4097	778	5.3
1989	Dec.	57.15 N	173.3 E	30	10	3.0
1989	Dec.	57.15 N	174.3 E	45	15	3.0

Table 7. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1989	Dec.	57.15 N	176.3 E	114	27	4.2
1989	Dec.	57.15 N	177.3 E	2452	609	4.0
1989	Dec.	57.15 N	178.3 E	11941	1712	7.0
1989	Dec.	57.45 N	174.3 E	30	8	3.8
1989	Dec.	57.45 N	175.3 E	97	38	2.6
1989	Dec.	57.45 N	176.3 E	145	29	5.0
1989	Dec.	57.45 N	177.3 E	40	6	6.7
1989	Dec.	58.15 N	176.3 E	78	15	5.2
1989	Dec.	58.15 N	177.3 E	76	17	4.5
1989	Dec.	58.45 N	179.3 E	14	4	3.5

Table 8. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1990.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Jan	55.15 N	176.3 W	3	20	0.2
1990	Jan	55.15 N	177.3 W	6	35	0.2
1990	Jan	55.15 N	178.3 W	14	39	0.4
1990	Jan	55.15 N	179.3 W	16	23	0.7
1990	Jan	55.15 N	177.3 E	1	11	0.1
1990	Jan	55.15 N	179.3 E	37	50	0.7
1990	Jan	55.45 N	176.3 W	2049	2236	0.9
1990	Jan	55.45 N	177.3 W	1869	1427	1.3
1990	Jan	55.45 N	178.3 W	165	283	0.6
1990	Jan	55.45 N	179.3 W	193	400	0.5
1990	Jan	55.45 N	176.3 E	8	17	0.5
1990	Jan	55.45 N	177.3 E	46	64	0.7
1990	Jan	55.45 N	178.3 E	311	361	0.9
1990	Jan	55.45 N	179.3 E	758	1161	0.7
1990	Jan	56.15 N	176.3 W	1146	685	1.7
1990	Jan	56.15 N	177.3 W	5034	3009	1.7
1990	Jan	56.15 N	178.3 W	53	47	1.1
1990	Jan	56.15 N	179.3 W	71	144	0.5
1990	Jan	56.15 N	173.3 E	58	39	1.5
1990	Jan	56.15 N	174.3 E	27	32	0.8
1990	Jan	56.15 N	175.3 E	101	60	1.7
1990	Jan	56.15 N	176.3 E	113	106	1.1
1990	Jan	56.15 N	177.3 E	155	110	1.4
1990	Jan	56.15 N	178.3 E	5280	2841	1.9
1990	Jan	56.15 N	179.3 E	955	949	1.0
1990	Jan	56.45 N	176.3 W	15	13	1.2
1990	Jan	56.45 N	177.3 W	13	24	0.5
1990	Jan	56.45 N	179.3 W	5	7	0.7
1990	Jan	56.45 N	173.3 E	54	44	1.2
1990	Jan	56.45 N	174.3 E	370	206	1.8
1990	Jan	56.45 N	175.3 E	54	52	1.0
1990	Jan	56.45 N	176.3 E	45	38	1.2
1990	Jan	56.45 N	177.3 E	5012	1435	3.5
1990	Jan	56.45 N	178.3 E	36240	8875	4.1
1990	Jan	56.45 N	179.3 E	1593	428	3.7
1990	Jan	57.15 N	176.3 W	2	8	0.3
1990	Jan	57.15 N	174.3 E	7	23	0.3
1990	Jan	57.15 N	175.3 E	26	28	0.9
1990	Jan	57.15 N	176.3 E	10	19	0.5
1990	Jan	57.15 N	177.3 E	5	8	0.6
1990	Jan	57.15 N	178.3 E	260	32	8.1
1990	Jan	57.45 N	177.3 E	12	18	0.7
1990	Feb.	55.45 N	176.3 W	4	26	0.2
1990	Feb.	55.45 N	177.3 W	4	12	0.3
1990	Feb.	56.15 N	176.3 W	39	35	1.1
1990	Feb.	56.15 N	177.3 W	1094	992	1.1
1990	Feb.	56.15 N	178.3 W	14	11	1.3
1990	Feb.	56.45 N	177.3 W	285	256	1.1
1990	Feb.	56.45 N	178.3 W	69	41	1.7
1990	Feb.	57.15 N	176.3 W	1	8	0.1
1990	Feb.	57.15 N	177.3 W	1	11	0.1
1990	Mar.	55.15 N	176.3 W	413	162	2.5
1990	Mar.	55.15 N	177.3 W	88	127	0.7
1990	Mar.	55.15 N	178.3 W	0	12	0.0
1990	Mar.	55.45 N	175.3 W	172	102	1.7
1990	Mar.	55.45 N	176.3 W	5725	2808	2.0

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Mar.	55.45 N	177.3 W	106	116	0.9
1990	Mar.	55.45 N	178.3 W	6	19	0.3
1990	Mar.	56.15 N	176.3 W	1401	630	2.2
1990	Mar.	56.15 N	177.3 W	1068	235	4.5
1990	Mar.	56.15 N	174.3 E	44	81	0.5
1990	Mar.	56.15 N	176.3 E	2	9	0.2
1990	Mar.	56.15 N	178.3 E	5	24	0.2
1990	Mar.	56.45 N	176.3 W	518	242	2.1
1990	Mar.	56.45 N	177.3 W	554	255	2.2
1990	Mar.	56.45 N	179.3 W	1	11	0.1
1990	Mar.	56.45 N	173.3 E	55	49	1.1
1990	Mar.	56.45 N	174.3 E	10	38	0.3
1990	Mar.	56.45 N	176.3 E	10	13	0.8
1990	Mar.	56.45 N	177.3 E	2	10	0.2
1990	Mar.	57.15 N	177.3 W	32	48	0.7
1990	Mar.	57.15 N	178.3 W	25	29	0.9
1990	Mar.	57.15 N	179.3 W	21	42	0.5
1990	Mar.	57.15 N	174.3 E	3	15	0.2
1990	Mar.	57.15 N	176.3 E	2	15	0.1
1990	Mar.	57.15 N	177.3 E	21	24	0.9
1990	Mar.	57.15 N	178.3 E	23	20	1.2
1990	Mar.	57.15 N	179.3 E	53	78	0.7
1990	Mar.	57.45 N	177.3 W	22	35	0.6
1990	Mar.	57.45 N	178.3 W	13	23	0.6
1990	Mar.	57.45 N	179.3 W	59	71	0.8
1990	Mar.	57.45 N	175.3 E	1	9	0.1
1990	Mar.	57.45 N	176.3 E	74	100	0.7
1990	Mar.	57.45 N	178.3 E	12	25	0.5
1990	Mar.	57.45 N	179.3 E	3	5	0.6
1990	Mar.	58.15 N	179.3 W	5	11	0.5
1990	Mar.	58.15 N	176.3 E	4	20	0.2
1990	Mar.	58.15 N	178.3 E	3	11	0.3
1990	Mar.	58.15 N	179.3 E	10	23	0.4
1990	Mar.	58.45 N	178.3 W	0	20	0.0
1990	Mar.	58.45 N	179.3 W	0	3	0.0
1990	Apr.	55.15 N	176.3 W	7781	1047	7.4
1990	Apr.	55.15 N	177.3 W	15816	2260	7.0
1990	Apr.	55.15 N	178.3 W	8570	1922	4.5
1990	Apr.	55.15 N	179.3 W	3151	672	4.7
1990	Apr.	55.15 N	179.3 E	631	164	3.8
1990	Apr.	55.45 N	176.3 W	7728	1112	6.9
1990	Apr.	55.45 N	177.3 W	6885	1004	6.9
1990	Apr.	55.45 N	178.3 W	7043	1275	5.5
1990	Apr.	55.45 N	179.3 W	2852	482	5.9
1990	Apr.	55.45 N	175.3 E	15	7	2.1
1990	Apr.	55.45 N	178.3 E	297	127	2.3
1990	Apr.	55.45 N	179.3 E	2397	480	5.0
1990	Apr.	56.15 N	176.3 W	1816	416	4.4
1990	Apr.	56.15 N	177.3 W	3590	606	5.9
1990	Apr.	56.15 N	178.3 W	603	109	5.5
1990	Apr.	56.15 N	179.3 W	742	168	4.4
1990	Apr.	56.15 N	177.3 E	30	14	2.1
1990	Apr.	56.15 N	178.3 E	840	233	3.6
1990	Apr.	56.15 N	179.3 E	737	133	5.5
1990	Apr.	56.45 N	176.3 W	14440	3030	4.8
1990	Apr.	56.45 N	177.3 W	1987	439	4.5
1990	Apr.	56.45 N	178.3 W	78	31	2.5
1990	Apr.	56.45 N	179.3 W	247	53	4.7

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Apr.	56.45 N	177.3 E	280	120	2.3
1990	Apr.	56.45 N	178.3 E	1215	384	3.2
1990	Apr.	56.45 N	179.3 E	602	130	4.6
1990	Apr.	57.15 N	176.3 W	24123	4326	5.6
1990	Apr.	57.15 N	177.3 W	2999	813	3.7
1990	Apr.	57.15 N	178.3 W	300	98	3.1
1990	Apr.	57.15 N	179.3 W	98	30	3.3
1990	Apr.	57.15 N	177.3 E	10	9	1.1
1990	Apr.	57.15 N	178.3 E	43	19	2.3
1990	Apr.	57.15 N	179.3 E	152	50	3.0
1990	Apr.	57.45 N	176.3 W	117	31	3.8
1990	Apr.	57.45 N	177.3 W	170	53	3.2
1990	Apr.	57.45 N	178.3 W	50	11	4.5
1990	Apr.	57.45 N	179.3 W	115	75	1.5
1990	Apr.	58.15 N	178.3 W	206	80	2.6
1990	Apr.	58.15 N	179.3 W	94	20	4.7
1990	May	55.15 N	177.3 W	307	95	3.2
1990	May	55.15 N	178.3 W	13237	2812	4.7
1990	May	55.15 N	179.3 W	1281	514	2.5
1990	May	55.15 N	177.3 E	300	75	4.0
1990	May	55.15 N	178.3 E	6404	1909	3.4
1990	May	55.15 N	179.3 E	2235	648	3.4
1990	May	55.45 N	177.3 W	570	160	3.6
1990	May	55.45 N	178.3 W	181	76	2.4
1990	May	55.45 N	179.3 W	318	97	3.3
1990	May	55.45 N	175.3 E	27	26	1.0
1990	May	55.45 N	176.3 E	74	62	1.2
1990	May	55.45 N	177.3 E	2228	1037	2.1
1990	May	55.45 N	178.3 E	4197	1322	3.2
1990	May	55.45 N	179.3 E	1666	499	3.3
1990	May	56.15 N	177.3 W	102	49	2.1
1990	May	56.15 N	178.3 W	183	45	4.1
1990	May	56.15 N	173.3 E	14	15	0.9
1990	May	56.15 N	174.3 E	129	111	1.2
1990	May	56.15 N	175.3 E	70	39	1.8
1990	May	56.15 N	176.3 E	20	15	1.3
1990	May	56.15 N	177.3 E	148	85	1.7
1990	May	56.15 N	178.3 E	878	525	1.7
1990	May	56.45 N	176.3 W	79	48	1.6
1990	May	56.45 N	177.3 W	23	40	0.6
1990	May	56.45 N	173.3 E	20	12	1.7
1990	May	56.45 N	174.3 E	5	13	0.4
1990	May	56.45 N	175.3 E	15	11	1.4
1990	May	56.45 N	176.3 E	27	28	1.0
1990	May	56.45 N	177.3 E	450	325	1.4
1990	May	56.45 N	178.3 E	579	462	1.3
1990	May	56.45 N	179.3 E	27	18	1.5
1990	May	57.15 N	176.3 W	107	38	2.8
1990	May	57.15 N	177.3 W	454	196	2.3
1990	May	57.15 N	178.3 W	71	43	1.7
1990	May	57.15 N	179.3 W	85	43	2.0
1990	May	57.15 N	177.3 E	165	178	0.9
1990	May	57.15 N	178.3 E	396	275	1.4
1990	May	57.15 N	179.3 E	12	14	0.9
1990	May	57.45 N	177.3 W	86	29	3.0
1990	May	57.45 N	178.3 W	314	201	1.6
1990	May	57.45 N	179.3 W	212	156	1.4
1990	May	57.45 N	178.3 E	145	229	0.6

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	May	57.45 N	179.3 E	206	240	0.9
1990	May	58.15 N	178.3 W	28	25	1.1
1990	May	58.15 N	179.3 W	232	193	1.2
1990	May	58.15 N	176.3 E	8	10	0.8
1990	May	58.15 N	177.3 E	21	27	0.8
1990	May	58.15 N	178.3 E	75	28	2.7
1990	May	58.15 N	179.3 E	36	75	0.5
1990	May	58.45 N	178.3 W	22	25	0.9
1990	May	58.45 N	179.3 W	7	12	0.6
1990	Jun.	55.45 N	177.3 W	195	75	2.6
1990	Jun.	55.45 N	178.3 W	77	19	4.1
1990	Jun.	56.15 N	176.3 W	217	61	3.6
1990	Jun.	56.15 N	177.3 W	293	145	2.0
1990	Jun.	56.15 N	178.3 W	154	69	2.2
1990	Jun.	56.15 N	179.3 W	25	14	1.8
1990	Jun.	56.15 N	175.3 E	1	2	0.5
1990	Jun.	56.15 N	179.3 E	8	4	2.0
1990	Jun.	56.45 N	176.3 W	3272	589	5.6
1990	Jun.	56.45 N	177.3 W	687	250	2.7
1990	Jun.	56.45 N	178.3 W	401	144	2.8
1990	Jun.	56.45 N	179.3 W	183	53	3.5
1990	Jun.	57.15 N	176.3 W	719	176	4.1
1990	Jun.	57.15 N	177.3 W	631	176	3.6
1990	Jun.	57.15 N	178.3 W	426	139	3.1
1990	Jun.	57.15 N	179.3 W	455	136	3.3
1990	Jun.	57.45 N	177.3 W	414	148	2.8
1990	Jun.	58.15 N	176.3 E	10	7	1.4
1990	Jul.	55.15 N	176.3 W	160	48	3.3
1990	Jul.	55.15 N	177.3 W	638	91	7.0
1990	Jul.	55.15 N	178.3 W	306	90	3.4
1990	Jul.	55.15 N	179.3 E	51	25	2.0
1990	Jul.	55.45 N	176.3 W	760	295	2.6
1990	Jul.	55.45 N	177.3 W	220	79	2.8
1990	Jul.	55.45 N	178.3 W	261	72	3.6
1990	Jul.	55.45 N	179.3 W	189	102	1.9
1990	Jul.	55.45 N	176.3 E	19	28	0.7
1990	Jul.	55.45 N	179.3 E	100	79	1.3
1990	Jul.	56.15 N	176.3 W	83	48	1.7
1990	Jul.	56.15 N	177.3 W	100	76	1.3
1990	Jul.	56.15 N	178.3 W	398	183	2.2
1990	Jul.	56.15 N	174.3 E	1	5	0.2
1990	Jul.	56.15 N	176.3 E	24	14	1.7
1990	Jul.	56.15 N	177.3 E	42	27	1.6
1990	Jul.	56.15 N	178.3 E	70	15	4.7
1990	Jul.	56.15 N	179.3 E	32	15	2.1
1990	Jul.	56.45 N	177.3 W	157	92	1.7
1990	Jul.	56.45 N	178.3 W	9	10	0.9
1990	Jul.	56.45 N	179.3 W	41	14	2.9
1990	Jul.	56.45 N	177.3 E	186	65	2.9
1990	Jul.	56.45 N	178.3 E	40	12	3.3
1990	Jul.	57.15 N	176.3 W	82	56	1.5
1990	Jul.	57.15 N	177.3 W	409	290	1.4
1990	Jul.	57.15 N	178.3 W	22	4	5.5
1990	Jul.	57.15 N	177.3 E	15	12	1.3
1990	Jul.	57.15 N	179.3 E	67	39	1.7
1990	Jul.	57.45 N	177.3 W	242	139	1.7
1990	Jul.	57.45 N	179.3 W	6	8	0.8
1990	Aug.	55.15 N	177.3 W	163	27	6.0

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Aug.	55.15 N	178.3 W	337	97	3.5
1990	Aug.	55.15 N	179.3 E	96	27	3.6
1990	Aug.	55.45 N	177.3 W	73	33	2.2
1990	Aug.	55.45 N	178.3 W	1065	212	5.0
1990	Aug.	55.45 N	179.3 W	514	142	3.6
1990	Aug.	55.45 N	178.3 E	120	54	2.2
1990	Aug.	55.45 N	179.3 E	498	157	3.2
1990	Aug.	56.15 N	176.3 W	84	17	4.9
1990	Aug.	56.15 N	177.3 W	367	75	4.9
1990	Aug.	56.15 N	178.3 W	245	45	5.4
1990	Aug.	56.15 N	179.3 W	315	89	3.5
1990	Aug.	56.15 N	177.3 E	737	241	3.1
1990	Aug.	56.15 N	178.3 E	955	191	5.0
1990	Aug.	56.15 N	179.3 E	1221	328	3.7
1990	Aug.	56.45 N	176.3 W	80	52	1.5
1990	Aug.	56.45 N	177.3 W	47	11	4.3
1990	Aug.	56.45 N	179.3 W	162	104	1.6
1990	Aug.	56.45 N	177.3 E	8	12	0.7
1990	Aug.	56.45 N	178.3 E	148	64	2.3
1990	Aug.	56.45 N	179.3 E	571	220	2.6
1990	Aug.	57.15 N	176.3 W	322	143	2.3
1990	Aug.	57.15 N	177.3 W	161	51	3.2
1990	Aug.	57.15 N	178.3 W	147	35	4.2
1990	Aug.	57.15 N	179.3 W	500	110	4.5
1990	Aug.	57.15 N	176.3 E	22	11	2.0
1990	Aug.	57.15 N	179.3 E	516	125	4.1
1990	Aug.	57.45 N	176.3 W	38	14	2.7
1990	Aug.	57.45 N	179.3 W	168	12	14.0
1990	Aug.	57.45 N	179.3 E	1515	250	6.1
1990	Aug.	58.15 N	178.3 E	417	65	6.4
1990	Aug.	58.15 N	179.3 E	70	13	5.4
1990	Sep.	55.15 N	178.3 W	20	13	1.5
1990	Sep.	55.45 N	178.3 W	137	58	2.4
1990	Sep.	55.45 N	179.3 W	86	38	2.3
1990	Sep.	56.15 N	179.3 W	215	155	1.4
1990	Sep.	56.15 N	174.3 E	124	24	5.2
1990	Sep.	56.15 N	176.3 E	20	5	4.0
1990	Sep.	56.15 N	179.3 E	52	19	2.7
1990	Sep.	56.45 N	179.3 W	46	53	0.9
1990	Sep.	56.45 N	173.3 E	538	49	11.0
1990	Sep.	56.45 N	174.3 E	723	88	8.2
1990	Sep.	56.45 N	175.3 E	322	52	6.2
1990	Sep.	56.45 N	178.3 E	34	13	2.6
1990	Sep.	56.45 N	179.3 E	127	76	1.7
1990	Sep.	57.15 N	178.3 W	367	123	3.0
1990	Sep.	57.15 N	179.3 W	94	75	1.3
1990	Sep.	57.15 N	174.3 E	686	111	6.2
1990	Sep.	57.15 N	175.3 E	3616	372	9.7
1990	Sep.	57.15 N	176.3 E	1082	182	5.9
1990	Sep.	57.15 N	177.3 E	560	50	11.2
1990	Sep.	57.15 N	178.3 E	120	27	4.4
1990	Sep.	57.15 N	179.3 E	250	68	3.7
1990	Sep.	57.45 N	178.3 W	59	20	3.0
1990	Sep.	57.45 N	179.3 W	19	16	1.2
1990	Sep.	57.45 N	174.3 E	22	12	1.8
1990	Sep.	57.45 N	175.3 E	1571	230	6.8
1990	Sep.	57.45 N	176.3 E	1301	317	4.1
1990	Sep.	57.45 N	177.3 E	1218	190	6.4

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Sep.	57.45 N	178.3 E	1546	209	7.4
1990	Sep.	57.45 N	179.3 E	762	296	2.6
1990	Sep.	58.15 N	178.3 W	22	8	2.8
1990	Sep.	58.15 N	179.3 W	149	42	3.5
1990	Sep.	58.15 N	175.3 E	310	11	28.2
1990	Sep.	58.15 N	176.3 E	2547	411	6.2
1990	Sep.	58.15 N	177.3 E	2591	538	4.8
1990	Sep.	58.15 N	178.3 E	2891	513	5.6
1990	Sep.	58.15 N	179.3 E	1114	353	3.2
1990	Sep.	58.45 N	178.3 W	43	14	3.1
1990	Sep.	58.45 N	179.3 W	95	41	2.3
1990	Sep.	58.45 N	176.3 E	120	26	4.6
1990	Sep.	58.45 N	177.3 E	671	216	3.1
1990	Sep.	58.45 N	178.3 E	4787	1097	4.4
1990	Sep.	58.45 N	179.3 E	3313	856	3.9
1990	Oct.	55.45 N	176.3 E	103	33	3.1
1990	Oct.	56.15 N	179.3 W	263	101	2.6
1990	Oct.	56.15 N	172.3 E	7	4	1.8
1990	Oct.	56.15 N	173.3 E	637	142	4.5
1990	Oct.	56.15 N	174.3 E	1767	282	6.3
1990	Oct.	56.15 N	175.3 E	3420	659	5.2
1990	Oct.	56.15 N	176.3 E	340	85	4.0
1990	Oct.	56.15 N	179.3 E	5	4	1.3
1990	Oct.	56.45 N	179.3 W	778	199	3.9
1990	Oct.	56.45 N	172.3 E	77	19	4.1
1990	Oct.	56.45 N	173.3 E	1398	208	6.7
1990	Oct.	56.45 N	174.3 E	3840	985	3.9
1990	Oct.	56.45 N	175.3 E	5065	1449	3.5
1990	Oct.	56.45 N	176.3 E	380	118	3.2
1990	Oct.	56.45 N	177.3 E	30	8	3.8
1990	Oct.	56.45 N	179.3 E	857	275	3.1
1990	Oct.	57.15 N	178.3 W	7	9	0.8
1990	Oct.	57.15 N	179.3 W	211	81	2.6
1990	Oct.	57.15 N	173.3 E	43	16	2.7
1990	Oct.	57.15 N	174.3 E	1009	375	2.7
1990	Oct.	57.15 N	175.3 E	5396	1387	3.9
1990	Oct.	57.15 N	176.3 E	773	307	2.5
1990	Oct.	57.15 N	177.3 E	152	23	5.4
1990	Oct.	57.15 N	178.3 E	1975	588	3.4
1990	Oct.	57.15 N	179.3 E	2148	672	3.2
1990	Oct.	57.45 N	179.3 W	52	26	2.0
1990	Oct.	57.45 N	174.3 E	5	8	0.6
1990	Oct.	57.45 N	175.3 E	857	322	2.7
1990	Oct.	57.45 N	176.3 E	2019	515	3.9
1990	Oct.	57.45 N	177.3 E	1525	436	3.5
1990	Oct.	57.45 N	178.3 E	1448	345	4.2
1990	Oct.	57.45 N	179.3 E	48	15	3.2
1990	Oct.	58.15 N	177.3 W	18	11	1.6
1990	Oct.	58.15 N	178.3 W	36	12	3.0
1990	Oct.	58.15 N	176.3 E	2159	403	5.4
1990	Oct.	58.15 N	177.3 E	1811	499	3.6
1990	Oct.	58.15 N	178.3 E	2718	751	3.6
1990	Oct.	58.15 N	179.3 E	619	194	3.2
1990	Oct.	58.45 N	178.3 W	81	16	5.1
1990	Oct.	58.45 N	179.3 W	30	7	4.3
1990	Oct.	58.45 N	176.3 E	233	38	6.1
1990	Oct.	58.45 N	177.3 E	2847	713	4.0
1990	Oct.	58.45 N	178.3 E	5410	1331	4.1

1990	Oct.	58.45 N	179.3 E	596	267	2.2
1990	Nov.	55.15 N	177.3 W	30	13	2.3
1990	Nov.	55.15 N	178.3 W	73	70	1.0
1990	Nov.	55.15 N	179.3 W	1920	760	2.5
1990	Nov.	55.15 N	178.3 E	37	31	1.2
1990	Nov.	55.15 N	179.3 E	1074	352	3.1
1990	Nov.	55.45 N	178.3 W	85	50	1.7
1990	Nov.	55.45 N	179.3 W	3333	1569	2.1
1990	Nov.	55.45 N	176.3 E	174	104	1.7
1990	Nov.	55.45 N	177.3 E	612	250	2.4
1990	Nov.	55.45 N	178.3 E	822	574	1.4
1990	Nov.	55.45 N	179.3 E	1885	808	2.3
1990	Nov.	56.15 N	178.3 W	209	100	2.1
1990	Nov.	56.15 N	179.3 W	284	175	1.6
1990	Nov.	56.15 N	173.3 E	472	193	2.4
1990	Nov.	56.15 N	174.3 E	1162	515	2.3
1990	Nov.	56.15 N	175.3 E	186	137	1.4
1990	Nov.	56.15 N	176.3 E	714	321	2.2
1990	Nov.	56.15 N	177.3 E	770	296	2.6
1990	Nov.	56.15 N	178.3 E	320	174	1.8
1990	Nov.	56.15 N	179.3 E	164	110	1.5
1990	Nov.	56.45 N	178.3 W	48	22	2.2
1990	Nov.	56.45 N	179.3 W	242	170	1.4
1990	Nov.	56.45 N	173.3 E	186	64	2.9
1990	Nov.	56.45 N	174.3 E	450	208	2.2
1990	Nov.	56.45 N	175.3 E	255	151	1.7
1990	Nov.	56.45 N	176.3 E	100	48	2.1
1990	Nov.	56.45 N	177.3 E	117	80	1.5
1990	Nov.	56.45 N	178.3 E	373	258	1.4
1990	Nov.	56.45 N	179.3 E	464	245	1.9
1990	Nov.	57.15 N	176.3 W	11	12	0.9
1990	Nov.	57.15 N	178.3 W	111	35	3.2
1990	Nov.	57.15 N	179.3 W	325	164	2.0
1990	Nov.	57.15 N	174.3 E	168	55	3.1
1990	Nov.	57.15 N	175.3 E	145	141	1.0
1990	Nov.	57.15 N	176.3 E	55	48	1.1
1990	Nov.	57.15 N	177.3 E	67	48	1.4
1990	Nov.	57.15 N	178.3 E	5635	1562	3.6
1990	Nov.	57.15 N	179.3 E	3360	960	3.5
1990	Nov.	57.45 N	178.3 W	85	23	3.7
1990	Nov.	57.45 N	179.3 W	469	292	1.6
1990	Nov.	57.45 N	175.3 E	10	10	1.0
1990	Nov.	57.45 N	176.3 E	90	61	1.5
1990	Nov.	57.45 N	177.3 E	87	56	1.6
1990	Nov.	57.45 N	178.3 E	402	187	2.1
1990	Nov.	57.45 N	179.3 E	4493	1795	2.5
1990	Nov.	58.15 N	179.3 W	977	467	2.1
1990	Nov.	58.15 N	176.3 E	190	94	2.0
1990	Nov.	58.15 N	177.3 E	638	288	2.2
1990	Nov.	58.15 N	178.3 E	804	312	2.6
1990	Nov.	58.15 N	179.3 E	2156	1002	2.2
1990	Nov.	58.45 N	177.3 E	3329	875	3.8
1990	Nov.	58.45 N	178.3 E	1978	776	2.5
1990	Dec.	55.15 N	178.3 W	4	27	0.1
1990	Dec.	55.15 N	179.3 W	502	566	0.9
1990	Dec.	55.15 N	178.3 E	14	20	0.7
1990	Dec.	55.15 N	179.3 E	234	307	0.8
1990	Dec.	55.45 N	176.3 W	5	30	0.2
1990	Dec.	55.45 N	178.3 W	20	32	0.6
1990	Dec.	55.45 N	179.3 W	235	324	0.7
1990	Dec.	55.45 N	177.3 E	10	9	1.1

Table 8. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1990	Dec.	55.45 N	178.3 E	160	111	1.4
1990	Dec.	55.45 N	179.3 E	206	300	0.7
1990	Dec.	56.15 N	176.3 W	1	11	0.1
1990	Dec.	56.15 N	179.3 W	69	96	0.7
1990	Dec.	56.15 N	178.3 E	47	87	0.5
1990	Dec.	56.15 N	179.3 E	73	78	0.9
1990	Dec.	56.45 N	179.3 W	13	34	0.4
1990	Dec.	56.45 N	173.3 E	1	4	0.3
1990	Dec.	56.45 N	178.3 E	5	11	0.5
1990	Dec.	56.45 N	179.3 E	47	88	0.5
1990	Dec.	57.15 N	179.3 W	2	18	0.1
1990	Dec.	57.15 N	175.3 E	1	9	0.1
1990	Dec.	57.15 N	178.3 E	5	13	0.4
1990	Dec.	57.15 N	179.3 E	63	286	0.2
1990	Dec.	57.45 N	178.3 W	18	47	0.4
1990	Dec.	57.45 N	179.3 W	40	21	1.9
1990	Dec.	57.45 N	177.3 E	12	21	0.6
1990	Dec.	57.45 N	179.3 E	170	66	2.6
1990	Dec.	58.15 N	179.3 W	180	54	3.3
1990	Dec.	58.15 N	177.3 E	5	13	0.4
1990	Dec.	58.15 N	178.3 E	72	57	1.3
1990	Dec.	58.15 N	179.3 E	2783	1489	1.9
1990	Dec.	58.45 N	179.3 W	6238	5788	1.1
1990	Dec.	58.45 N	178.3 E	1041	869	1.2
1990	Dec.	58.45 N	179.3 E	18907	11528	1.6

Table 9. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Japanese fisheries in 1991.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Jan.	55.15 N	179.3 E	56	16	3.5
1991	Jan.	55.45 N	176.3 W	1	10	0.1
1991	Jan.	55.45 N	177.3 W	0	18	0.0
1991	Jan.	55.45 N	178.3 W	1	9	0.1
1991	Jan.	55.45 N	179.3 W	6	27	0.2
1991	Jan.	55.45 N	178.3 E	2	11	0.2
1991	Jan.	56.15 N	178.3 W	21	19	1.1
1991	Jan.	56.15 N	175.3 E	2	29	0.1
1991	Jan.	57.45 N	179.3 W	0	10	0.0
1991	Jan.	57.45 N	179.3 E	0	8	0.0
1991	Jan.	58.15 N	177.3 W	4	20	0.2
1991	Jan.	58.15 N	178.3 W	15	60	0.3
1991	Jan.	58.15 N	179.3 W	12	37	0.3
1991	Jan.	58.15 N	178.3 E	0	26	0.0
1991	Jan.	58.15 N	179.3 E	23	74	0.3
1991	Jan.	58.45 N	178.3 W	2	5	0.4
1991	Jan.	58.45 N	179.3 W	5987	10462	0.6
1991	Jan.	58.45 N	176.3 E	21	24	0.9
1991	Jan.	58.45 N	177.3 E	2	22	0.1
1991	Jan.	58.45 N	178.3 E	78	106	0.7
1991	Jan.	58.45 N	179.3 E	4840	7471	0.6
1991	Jan.	59.15 N	179.3 W	15	12	1.3
1991	Feb.	55.45 N	176.3 W	0	25	0.0
1991	Feb.	56.15 N	173.3 E	0	3	0.0
1991	Feb.	56.15 N	177.3 E	0	6	0.0
1991	Feb.	56.45 N	176.3 W	2	8	0.3
1991	Feb.	57.15 N	174.3 E	3	21	0.1
1991	Feb.	57.15 N	177.3 E	0	1	0.0
1991	Feb.	57.45 N	177.3 E	4	24	0.2
1991	Feb.	58.15 N	177.3 E	1	7	0.1
1991	Feb.	58.15 N	178.3 E	10	34	0.3
1991	Feb.	58.45 N	179.3 W	135	445	0.3
1991	Feb.	58.45 N	179.3 E	20	54	0.4
1991	Feb.	59.15 N	179.3 W	27	92	0.3
1991	Mar.	55.15 N	176.3 W	77	23	3.3
1991	Mar.	55.15 N	177.3 W	1288	268	4.8
1991	Mar.	55.45 N	175.3 W	37	22	1.7
1991	Mar.	55.45 N	176.3 W	133	66	2.0
1991	Mar.	55.45 N	177.3 W	10	11	0.9
1991	Mar.	56.15 N	178.3 E	5	16	0.3
1991	Mar.	56.15 N	179.3 E	4	17	0.2
1991	Mar.	56.45 N	177.3 W	4	10	0.4
1991	Mar.	57.15 N	177.3 W	3	10	0.3
1991	Mar.	57.45 N	177.3 W	0	3	0.0
1991	Mar.	57.45 N	177.3 E	5	18	0.3
1991	Mar.	58.15 N	178.3 W	5	12	0.4
1991	Mar.	58.15 N	177.3 E	12	16	0.8
1991	Mar.	58.15 N	178.3 E	11	19	0.6
1991	Mar.	58.45 N	179.3 W	136	128	1.1
1991	Mar.	58.45 N	179.3 E	16	20	0.8

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Apr.	55.15 N	176.3 W	157	68	2.3
1991	Apr.	55.15 N	177.3 W	9201	1639	5.6
1991	Apr.	55.15 N	178.3 W	13519	2776	4.9
1991	Apr.	55.15 N	179.3 W	1150	310	3.7
1991	Apr.	55.15 N	177.3 E	42	23	1.8
1991	Apr.	55.15 N	178.3 E	274	119	2.3
1991	Apr.	55.45 N	176.3 W	1737	540	3.2
1991	Apr.	55.45 N	177.3 W	977	244	4.0
1991	Apr.	55.45 N	178.3 W	630	168	3.8
1991	Apr.	55.45 N	176.3 E	12	14	0.9
1991	Apr.	55.45 N	177.3 E	2	4	0.5
1991	Apr.	55.45 N	178.3 E	8	14	0.6
1991	Apr.	56.15 N	176.3 W	3218	885	3.6
1991	Apr.	56.15 N	177.3 W	721	192	3.8
1991	Apr.	56.15 N	178.3 W	120	26	4.6
1991	Apr.	56.15 N	179.3 W	22	24	0.9
1991	Apr.	56.15 N	176.3 E	68	47	1.4
1991	Apr.	56.45 N	176.3 W	1387	349	4.0
1991	Apr.	56.45 N	177.3 W	199	57	3.5
1991	Apr.	56.45 N	178.3 W	34	18	1.9
1991	Apr.	56.45 N	179.3 W	5	14	0.4
1991	Apr.	56.45 N	179.3 E	9	13	0.7
1991	Apr.	57.15 N	176.3 W	11854	2177	5.4
1991	Apr.	57.15 N	178.3 W	15	13	1.2
1991	Apr.	57.15 N	176.3 E	228	84	2.7
1991	Apr.	57.45 N	176.3 W	284	70	4.1
1991	May	55.15 N	177.3 W	230	134	1.7
1991	May	55.15 N	178.3 W	1052	496	2.1
1991	May	55.15 N	179.3 W	129	92	1.4
1991	May	55.15 N	178.3 E	24	21	1.1
1991	May	55.15 N	179.3 E	5	9	0.6
1991	May	55.45 N	176.3 W	622	312	2.0
1991	May	55.45 N	177.3 W	121	99	1.2
1991	May	55.45 N	178.3 W	120	71	1.7
1991	May	55.45 N	176.3 E	50	7	7.1
1991	May	55.45 N	177.3 E	149	89	1.7
1991	May	55.45 N	178.3 E	47	58	0.8
1991	May	55.45 N	179.3 E	4	6	0.7
1991	May	56.15 N	176.3 W	5229	1717	3.0
1991	May	56.15 N	177.3 W	36	43	0.8
1991	May	56.15 N	178.3 W	214	282	0.8
1991	May	56.15 N	179.3 W	45	71	0.6
1991	May	56.15 N	173.3 E	5	14	0.4
1991	May	56.15 N	174.3 E	14	33	0.4
1991	May	56.15 N	175.3 E	4	12	0.3
1991	May	56.15 N	176.3 E	74	72	1.0
1991	May	56.15 N	177.3 E	131	128	1.0
1991	May	56.15 N	178.3 E	3	5	0.6
1991	May	56.45 N	176.3 W	1705	431	4.0
1991	May	56.45 N	177.3 W	15	29	0.5
1991	May	56.45 N	178.3 W	212	167	1.3
1991	May	56.45 N	179.3 W	22	33	0.7
1991	May	56.45 N	173.3 E	10	17	0.6
1991	May	56.45 N	174.3 E	27	37	0.7
1991	May	56.45 N	175.3 E	80	58	1.4
1991	May	56.45 N	176.3 E	309	344	0.9
1991	May	56.45 N	177.3 E	50	54	0.9
1991	May	56.45 N	178.3 E	24	39	0.6

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	May	56.45 N	179.3 E	58	47	1.2
1991	May	57.15 N	176.3 W	5363	1841	2.9
1991	May	57.15 N	177.3 W	29	40	0.7
1991	May	57.15 N	178.3 W	8	14	0.6
1991	May	57.15 N	179.3 W	5	11	0.5
1991	May	57.15 N	173.3 E	20	15	1.3
1991	May	57.15 N	174.3 E	10	27	0.4
1991	May	57.15 N	175.3 E	3	13	0.2
1991	May	57.15 N	176.3 E	405	189	2.1
1991	May	57.15 N	177.3 E	44	57	0.8
1991	May	57.15 N	178.3 E	20	26	0.8
1991	May	57.45 N	176.3 W	67	28	2.4
1991	May	57.45 N	177.3 W	45	63	0.7
1991	May	57.45 N	178.3 W	33	132	0.3
1991	May	57.45 N	179.3 W	74	91	0.8
1991	May	57.45 N	177.3 E	23	36	0.6
1991	May	57.45 N	178.3 E	5	13	0.4
1991	May	57.45 N	179.3 E	3	13	0.2
1991	May	58.15 N	177.3 W	16	15	1.1
1991	May	58.15 N	178.3 W	300	374	0.8
1991	May	58.15 N	179.3 W	91	41	2.2
1991	May	58.15 N	176.3 E	27	22	1.2
1991	May	58.15 N	178.3 E	12	15	0.8
1991	May	58.15 N	179.3 E	1	1	1.0
1991	May	58.45 N	178.3 W	961	568	1.7
1991	May	58.45 N	179.3 W	100	117	0.9
1991	May	58.45 N	177.3 E	3	11	0.3
1991	May	58.45 N	178.3 E	35	30	1.2
1991	May	58.45 N	179.3 E	58	76	0.8
1991	Jun.	55.15 N	177.3 W	3	6	0.5
1991	Jun.	55.15 N	178.3 E	21	40	0.5
1991	Jun.	55.45 N	176.3 W	11	19	0.6
1991	Jun.	55.45 N	177.3 W	21	5	4.2
1991	Jun.	55.45 N	178.3 W	0	3	0.0
1991	Jun.	55.45 N	175.3 E	30	13	2.3
1991	Jun.	55.45 N	177.3 E	600	336	1.8
1991	Jun.	55.45 N	178.3 E	6	7	0.9
1991	Jun.	56.15 N	176.3 W	24	27	0.9
1991	Jun.	56.15 N	177.3 W	74	55	1.3
1991	Jun.	56.15 N	174.3 E	22	14	1.6
1991	Jun.	56.15 N	175.3 E	12	17	0.7
1991	Jun.	56.15 N	176.3 E	560	367	1.5
1991	Jun.	56.15 N	177.3 E	7	11	0.6
1991	Jun.	56.15 N	179.3 E	14	26	0.5
1991	Jun.	56.45 N	176.3 W	174	186	0.9
1991	Jun.	56.45 N	179.3 W	72	142	0.5
1991	Jun.	56.45 N	173.3 E	48	25	1.9
1991	Jun.	56.45 N	174.3 E	35	15	2.3
1991	Jun.	56.45 N	176.3 E	1099	470	2.3
1991	Jun.	56.45 N	177.3 E	1	3	0.3
1991	Jun.	56.45 N	178.3 E	21	20	1.1
1991	Jun.	56.45 N	179.3 E	31	54	0.6
1991	Jun.	57.15 N	176.3 W	37	67	0.6
1991	Jun.	57.15 N	177.3 W	585	359	1.6
1991	Jun.	57.15 N	178.3 W	1	2	0.5
1991	Jun.	57.15 N	179.3 W	80	100	0.8
1991	Jun.	57.15 N	174.3 E	2	13	0.2
1991	Jun.	57.15 N	175.3 E	186	114	1.6

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Jun.	57.15 N	176.3 E	518	272	1.9
1991	Jun.	57.15 N	177.3 E	5	11	0.5
1991	Jun.	57.15 N	178.3 E	282	199	1.4
1991	Jun.	57.15 N	179.3 E	238	316	0.8
1991	Jun.	57.45 N	176.3 W	51	33	1.5
1991	Jun.	57.45 N	177.3 W	109	87	1.3
1991	Jun.	57.45 N	178.3 W	29	28	1.0
1991	Jun.	57.45 N	179.3 W	5	20	0.3
1991	Jun.	57.45 N	175.3 E	283	163	1.7
1991	Jun.	57.45 N	176.3 E	212	152	1.4
1991	Jun.	57.45 N	177.3 E	155	90	1.7
1991	Jun.	57.45 N	178.3 E	41	78	0.5
1991	Jun.	57.45 N	179.3 E	48	86	0.6
1991	Jun.	58.15 N	178.3 W	22	34	0.6
1991	Jun.	58.15 N	179.3 W	6	12	0.5
1991	Jun.	58.15 N	176.3 E	464	256	1.8
1991	Jun.	58.15 N	177.3 E	162	101	1.6
1991	Jun.	58.15 N	178.3 E	85	34	2.5
1991	Jun.	58.15 N	179.3 E	12	22	0.5
1991	Jun.	58.45 N	178.3 W	7	12	0.6
1991	Jun.	58.45 N	179.3 W	23	33	0.7
1991	Jun.	58.45 N	176.3 E	38	39	1.0
1991	Jun.	58.45 N	177.3 E	180	168	1.1
1991	Jun.	58.45 N	178.3 E	135	108	1.3
1991	Jun.	58.45 N	179.3 E	55	57	1.0
1991	Jun.	58.15 N	178.3 E	12	15	0.8
1991	Jun.	58.15 N	179.3 E	1	1	1.0
1991	Jun.	58.45 N	178.3 W	961	568	1.7
1991	Jun.	58.45 N	179.3 W	100	117	0.9
1991	Jun.	58.45 N	177.3 E	3	11	0.3
1991	Jun.	58.45 N	178.3 E	35	30	1.2
1991	Jun.	58.45 N	179.3 E	58	76	0.8
1991	Jul.	55.15 N	176.3 W	336	107	3.1
1991	Jul.	55.15 N	177.3 W	654	169	3.9
1991	Jul.	55.15 N	178.3 W	567	211	2.7
1991	Jul.	55.45 N	176.3 W	2057	516	4.0
1991	Jul.	55.45 N	177.3 W	589	176	3.3
1991	Jul.	55.45 N	178.3 W	252	133	1.9
1991	Jul.	55.45 N	179.3 W	141	61	2.3
1991	Jul.	55.45 N	178.3 E	30	25	1.2
1991	Jul.	56.15 N	177.3 W	250	181	1.4
1991	Jul.	56.15 N	178.3 W	132	46	2.9
1991	Jul.	56.15 N	174.3 E	45	21	2.1
1991	Jul.	56.15 N	175.3 E	5	7	0.7
1991	Jul.	56.15 N	177.3 E	12	8	1.5
1991	Jul.	56.45 N	176.3 W	13	14	0.9
1991	Jul.	56.45 N	178.3 W	45	14	3.2
1991	Jul.	56.45 N	179.3 W	825	400	2.1
1991	Jul.	56.45 N	174.3 E	25	13	1.9
1991	Jul.	56.45 N	179.3 E	542	339	1.6
1991	Jul.	57.15 N	176.3 W	113	66	1.7
1991	Jul.	57.15 N	178.3 W	122	133	0.9
1991	Jul.	57.15 N	179.3 W	71	58	1.2
1991	Jul.	57.15 N	179.3 E	59	47	1.3
1991	Jul.	57.45 N	177.3 W	1738	436	4.0
1991	Jul.	57.45 N	178.3 W	938	407	2.3
1991	Jul.	57.45 N	179.3 W	90	59	1.5
1991	Jul.	58.15 N	178.3 W	2	7	0.3

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Jul.	58.45 N	177.3 E	1	11	0.1
1991	Aug.	55.45 N	176.3 E	115	24	4.8
1991	Aug.	56.15 N	179.3 W	10	13	0.8
1991	Aug.	56.15 N	175.3 E	142	28	5.1
1991	Aug.	56.15 N	176.3 E	352	114	3.1
1991	Aug.	56.15 N	177.3 E	30	12	2.5
1991	Aug.	56.45 N	178.3 W	8	9	0.9
1991	Aug.	56.45 N	179.3 W	316	300	1.1
1991	Aug.	56.45 N	173.3 E	5	5	1.0
1991	Aug.	56.45 N	174.3 E	478	176	2.7
1991	Aug.	56.45 N	175.3 E	104	49	2.1
1991	Aug.	56.45 N	176.3 E	167	40	4.2
1991	Aug.	56.45 N	177.3 E	10	13	0.8
1991	Aug.	56.45 N	178.3 E	53	38	1.4
1991	Aug.	56.45 N	179.3 E	16	29	0.6
1991	Aug.	57.15 N	179.3 W	23	28	0.8
1991	Aug.	57.15 N	174.3 E	160	49	3.3
1991	Aug.	57.15 N	175.3 E	212	92	2.3
1991	Aug.	57.15 N	176.3 E	39	24	1.6
1991	Aug.	57.15 N	177.3 E	9	7	1.3
1991	Aug.	57.15 N	178.3 E	25	12	2.1
1991	Aug.	57.15 N	179.3 E	23	25	0.9
1991	Aug.	57.45 N	177.3 W	56	86	0.7
1991	Aug.	57.45 N	175.3 E	464	257	1.8
1991	Aug.	57.45 N	176.3 E	1111	569	2.0
1991	Aug.	57.45 N	177.3 E	223	218	1.0
1991	Aug.	57.45 N	178.3 E	59	33	1.8
1991	Aug.	57.45 N	179.3 E	96	87	1.1
1991	Aug.	58.15 N	177.3 W	14	26	0.5
1991	Aug.	58.15 N	175.3 E	24	14	1.7
1991	Aug.	58.15 N	176.3 E	1788	883	2.0
1991	Aug.	58.15 N	177.3 E	645	354	1.8
1991	Aug.	58.15 N	178.3 E	1030	183	5.6
1991	Aug.	58.15 N	179.3 E	26	13	2.0
1991	Aug.	58.45 N	176.3 E	72	52	1.4
1991	Aug.	58.45 N	177.3 E	366	193	1.9
1991	Aug.	58.45 N	178.3 E	1021	257	4.0
1991	Sep.	56.15 N	173.3 E	39	22	1.8
1991	Sep.	56.15 N	175.3 E	111	36	3.1
1991	Sep.	56.45 N	173.3 E	1509	234	6.4
1991	Sep.	56.45 N	174.3 E	767	284	2.7
1991	Sep.	56.45 N	175.3 E	760	320	2.4
1991	Sep.	56.45 N	176.3 E	40	40	1.0
1991	Sep.	57.15 N	173.3 E	70	28	2.5
1991	Sep.	57.15 N	174.3 E	81	53	1.5
1991	Sep.	57.15 N	175.3 E	1095	402	2.7
1991	Sep.	57.15 N	176.3 E	509	208	2.4
1991	Sep.	57.15 N	177.3 E	285	136	2.1
1991	Sep.	57.15 N	178.3 E	446	165	2.7
1991	Sep.	57.45 N	175.3 E	105	38	2.8
1991	Sep.	57.45 N	176.3 E	1845	612	3.0
1991	Sep.	57.45 N	177.3 E	565	302	1.9
1991	Sep.	57.45 N	178.3 E	355	243	1.5
1991	Sep.	58.15 N	176.3 E	2258	940	2.4
1991	Sep.	58.15 N	177.3 E	1350	579	2.3
1991	Sep.	58.15 N	178.3 E	954	284	3.4
1991	Sep.	58.15 N	179.3 E	13	14	0.9
1991	Sep.	58.45 N	176.3 E	11	8	1.4

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Sep.	58.45 N	177.3 E	166	72	2.3
1991	Sep.	58.45 N	178.3 E	431	148	2.9
1991	Oct.	55.45 N	178.3 W	12	17	0.7
1991	Oct.	55.45 N	175.3 E	56	22	2.5
1991	Oct.	55.45 N	178.3 E	2	6	0.3
1991	Oct.	56.15 N	176.3 W	31	37	0.8
1991	Oct.	56.15 N	174.3 E	357	250	1.4
1991	Oct.	56.15 N	175.3 E	84	118	0.7
1991	Oct.	56.15 N	176.3 E	22	31	0.7
1991	Oct.	56.15 N	177.3 E	3	4	0.8
1991	Oct.	56.15 N	178.3 E	15	17	0.9
1991	Oct.	56.15 N	179.3 E	12	11	1.1
1991	Oct.	56.45 N	176.3 W	181	55	3.3
1991	Oct.	56.45 N	178.3 W	12	8	1.5
1991	Oct.	56.45 N	173.3 E	687	299	2.3
1991	Oct.	56.45 N	174.3 E	5568	2246	2.5
1991	Oct.	56.45 N	175.3 E	498	342	1.5
1991	Oct.	56.45 N	176.3 E	53	36	1.5
1991	Oct.	56.45 N	178.3 E	8	14	0.6
1991	Oct.	56.45 N	179.3 E	64	69	0.9
1991	Oct.	57.15 N	176.3 W	76	12	6.3
1991	Oct.	57.15 N	178.3 W	0	3	0.0
1991	Oct.	57.15 N	173.3 E	67	11	6.1
1991	Oct.	57.15 N	174.3 E	1244	460	2.7
1991	Oct.	57.15 N	175.3 E	1158	639	1.8
1991	Oct.	57.15 N	176.3 E	97	111	0.9
1991	Oct.	57.15 N	177.3 E	41	44	0.9
1991	Oct.	57.15 N	178.3 E	263	268	1.0
1991	Oct.	57.15 N	179.3 E	242	286	0.8
1991	Oct.	57.45 N	177.3 W	2	10	0.2
1991	Oct.	57.45 N	178.3 W	3	8	0.4
1991	Oct.	57.45 N	174.3 E	67	44	1.5
1991	Oct.	57.45 N	175.3 E	499	368	1.4
1991	Oct.	57.45 N	176.3 E	147	305	0.5
1991	Oct.	57.45 N	177.3 E	1208	611	2.0
1991	Oct.	57.45 N	178.3 E	815	646	1.3
1991	Oct.	57.45 N	179.3 E	76	57	1.3
1991	Oct.	58.15 N	178.3 W	17	10	1.7
1991	Oct.	58.15 N	179.3 W	15	11	1.4
1991	Oct.	58.15 N	176.3 E	390	338	1.2
1991	Oct.	58.15 N	177.3 E	86	88	1.0
1991	Oct.	58.15 N	178.3 E	77	105	0.7
1991	Oct.	58.45 N	179.3 W	19	31	0.6
1991	Oct.	58.45 N	178.3 E	10	10	1.0
1991	Nov.	55.15 N	178.3 W	19	24	0.8
1991	Nov.	55.15 N	179.3 W	27	40	0.7
1991	Nov.	55.15 N	179.3 E	4	27	0.1
1991	Nov.	55.45 N	178.3 W	87	130	0.7
1991	Nov.	55.45 N	179.3 W	9	19	0.5
1991	Nov.	55.45 N	176.3 E	100	29	3.4
1991	Nov.	55.45 N	178.3 E	28	63	0.4
1991	Nov.	55.45 N	179.3 E	5	12	0.4
1991	Nov.	56.15 N	177.3 W	3	9	0.3
1991	Nov.	56.15 N	178.3 W	22	30	0.7
1991	Nov.	56.15 N	179.3 W	3	11	0.3
1991	Nov.	56.15 N	173.3 E	7	22	0.3
1991	Nov.	56.15 N	174.3 E	3	7	0.4
1991	Nov.	56.15 N	175.3 E	3	5	0.6

Table 9. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1991	Nov.	56.15 N	177.3 E	53	81	0.7
1991	Nov.	56.15 N	178.3 E	85	108	0.8
1991	Nov.	56.15 N	179.3 E	2	7	0.3
1991	Nov.	56.45 N	176.3 W	8	18	0.4
1991	Nov.	56.45 N	179.3 W	29	113	0.3
1991	Nov.	56.45 N	173.3 E	65	115	0.6
1991	Nov.	56.45 N	174.3 E	9	24	0.4
1991	Nov.	56.45 N	175.3 E	6	12	0.5
1991	Nov.	56.45 N	176.3 E	11	12	0.9
1991	Nov.	56.45 N	177.3 E	15	17	0.9
1991	Nov.	56.45 N	179.3 E	38	73	0.5
1991	Nov.	57.15 N	178.3 W	23	7	3.3
1991	Nov.	57.15 N	179.3 W	77	154	0.5
1991	Nov.	57.15 N	174.3 E	2	10	0.2
1991	Nov.	57.15 N	175.3 E	6	11	0.5
1991	Nov.	57.15 N	176.3 E	28	21	1.3
1991	Nov.	57.15 N	177.3 E	11	30	0.4
1991	Nov.	57.15 N	178.3 E	227	376	0.6
1991	Nov.	57.15 N	179.3 E	684	917	0.7
1991	Nov.	57.45 N	176.3 W	3	9	0.3
1991	Nov.	57.45 N	177.3 W	2	6	0.3
1991	Nov.	57.45 N	179.3 W	142	154	0.9
1991	Nov.	57.45 N	175.3 E	29	9	3.2
1991	Nov.	57.45 N	176.3 E	161	177	0.9
1991	Nov.	57.45 N	177.3 E	174	261	0.7
1991	Nov.	57.45 N	178.3 E	154	228	0.7
1991	Nov.	57.45 N	179.3 E	398	647	0.6
1991	Nov.	58.15 N	178.3 W	373	175	2.1
1991	Nov.	58.15 N	179.3 W	365	133	2.7
1991	Nov.	58.15 N	176.3 E	138	262	0.5
1991	Nov.	58.15 N	177.3 E	611	610	1.0
1991	Nov.	58.15 N	178.3 E	182	348	0.5
1991	Nov.	58.15 N	179.3 E	105	189	0.6
1991	Nov.	58.45 N	178.3 W	576	211	2.7
1991	Nov.	58.45 N	179.3 W	1768	652	2.7
1991	Nov.	58.45 N	177.3 E	64	40	1.6
1991	Nov.	58.45 N	178.3 E	5	18	0.3
1991	Nov.	58.45 N	179.3 E	46	108	0.4
1991	Dec.	55.15 N	178.3 W	3	8	0.4
1991	Dec.	55.45 N	178.3 E	2	10	0.2
1991	Dec.	56.15 N	174.3 E	2	12	0.2
1991	Dec.	56.15 N	179.3 E	5	23	0.2
1991	Dec.	56.45 N	173.3 E	3	14	0.2
1991	Dec.	56.45 N	174.3 E	6	10	0.6
1991	Dec.	56.45 N	178.3 E	2	11	0.2
1991	Dec.	56.45 N	179.3 E	25	132	0.2
1991	Dec.	57.15 N	179.3 W	23	50	0.5
1991	Dec.	57.15 N	173.3 E	3	9	0.3
1991	Dec.	57.15 N	176.3 E	3	13	0.2
1991	Dec.	57.15 N	178.3 E	299	699	0.4
1991	Dec.	57.15 N	179.3 E	666	1340	0.5
1991	Dec.	57.45 N	179.3 E	3	9	0.3
1991	Dec.	58.15 N	178.3 W	2	9	0.2
1991	Dec.	58.45 N	178.3 W	11	22	0.5
1991	Dec.	58.45 N	179.3 W	205	139	1.5
1991	Dec.	58.45 N	177.3 E	2	11	0.2
1991	Dec.	58.45 N	179.3 E	17	39	0.4

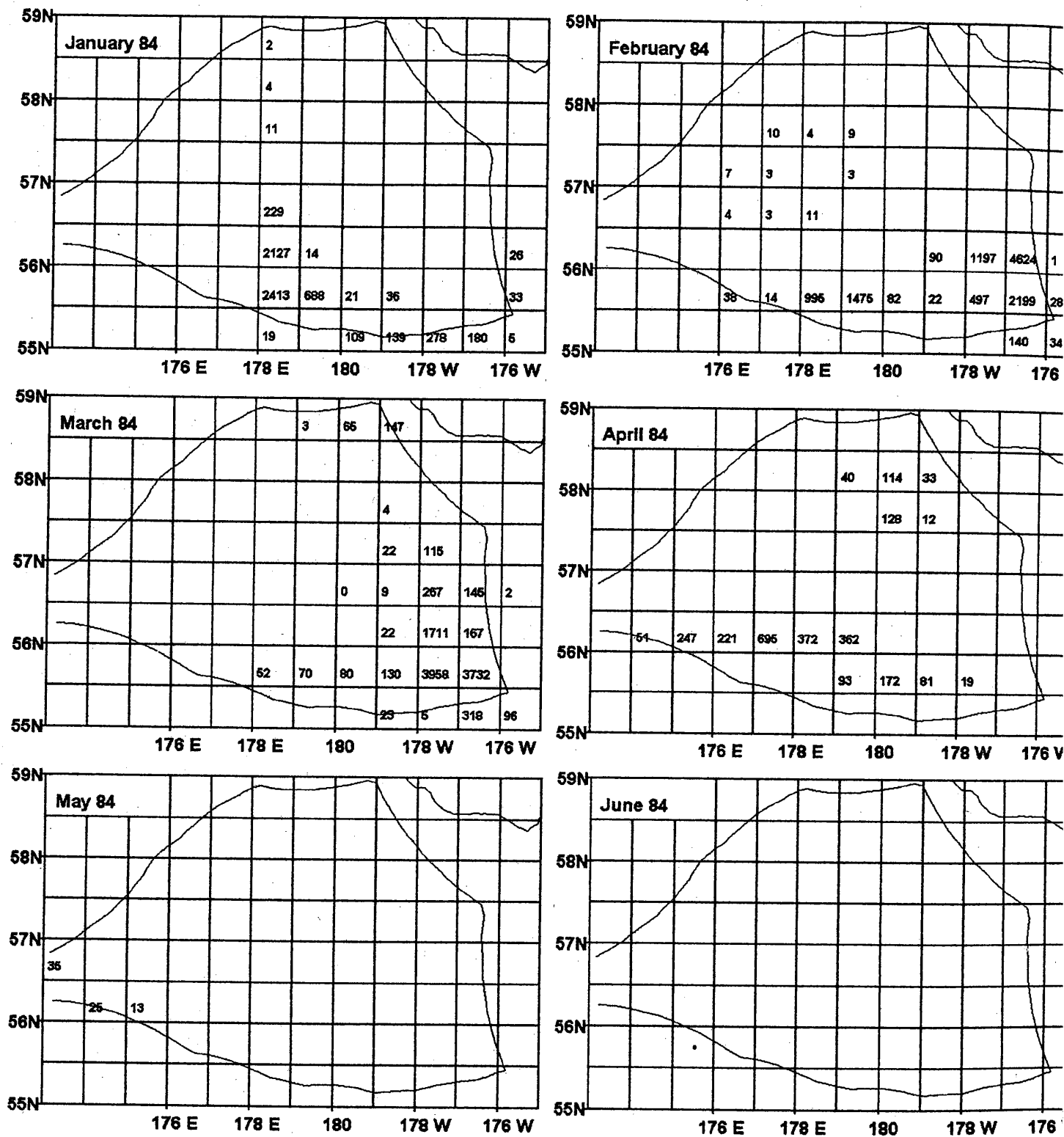


Fig. 1. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese North Pacific Trawl fisheries in 1984 (statistical block; 0.5°La. X 1°Long.).

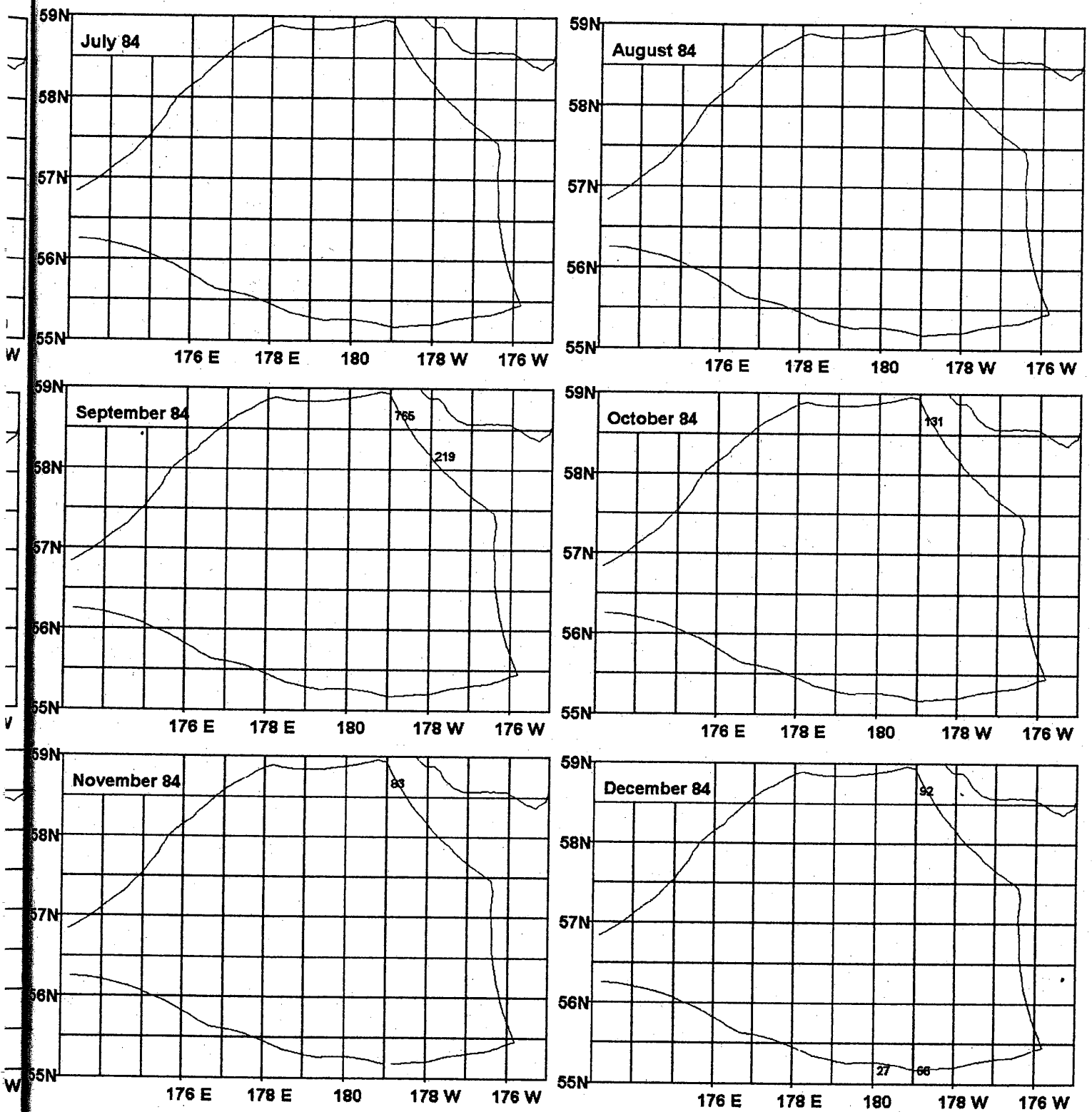


Fig. 1. Continued.

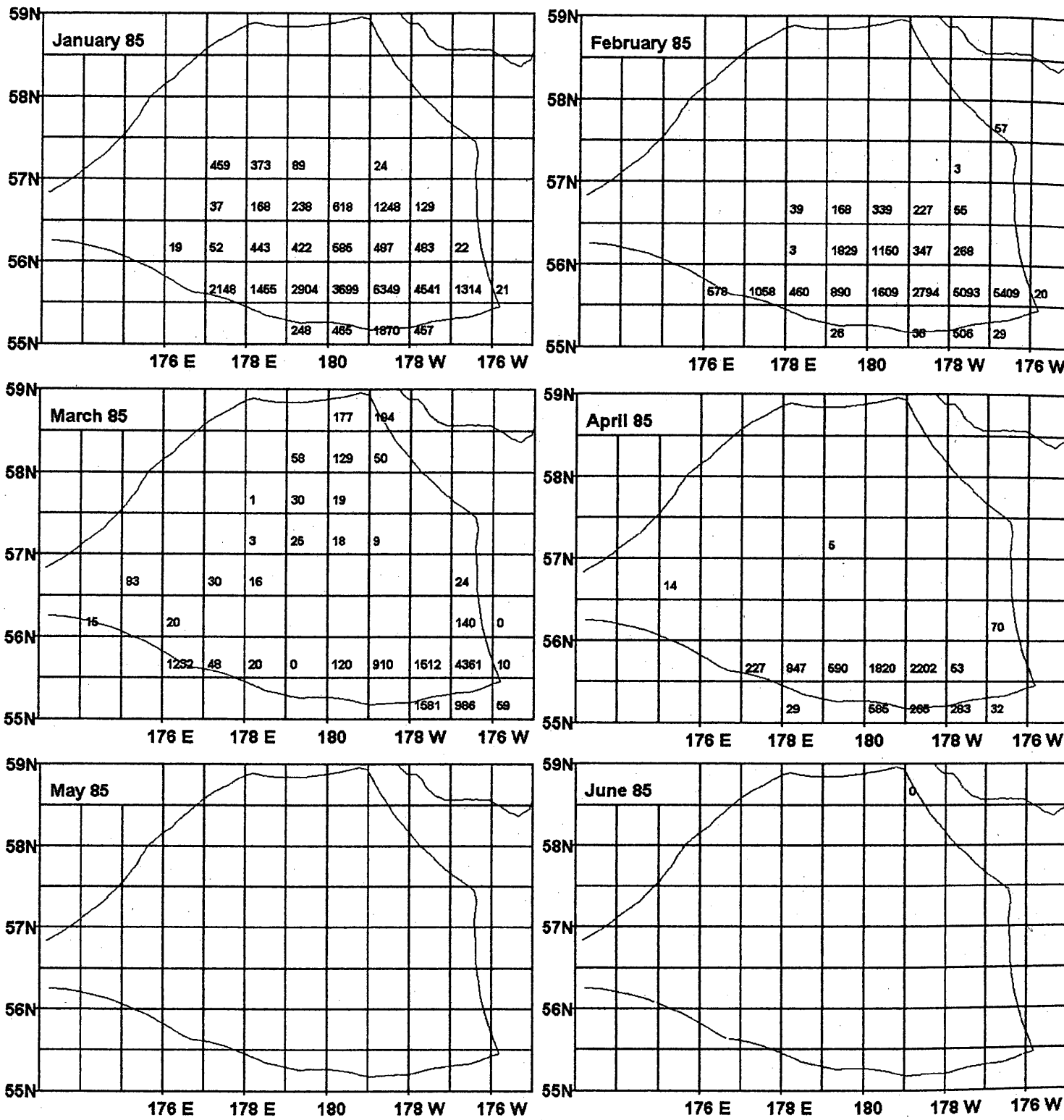


Fig. 2. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese North Pacific Trawl fisheries in 1985 (statistical block; 0.5°La. X 1°Long.).

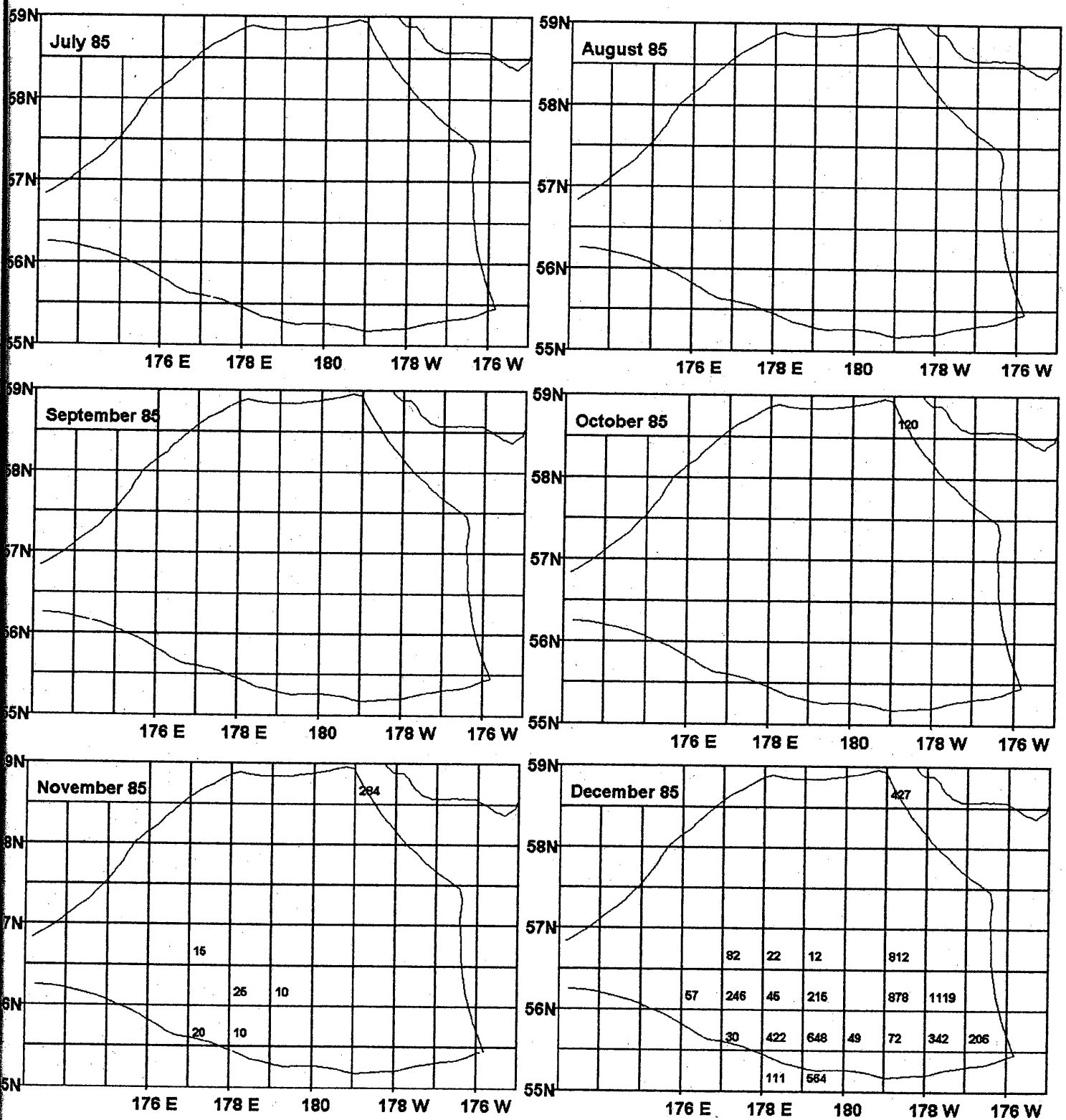


Fig. 2. Continued.

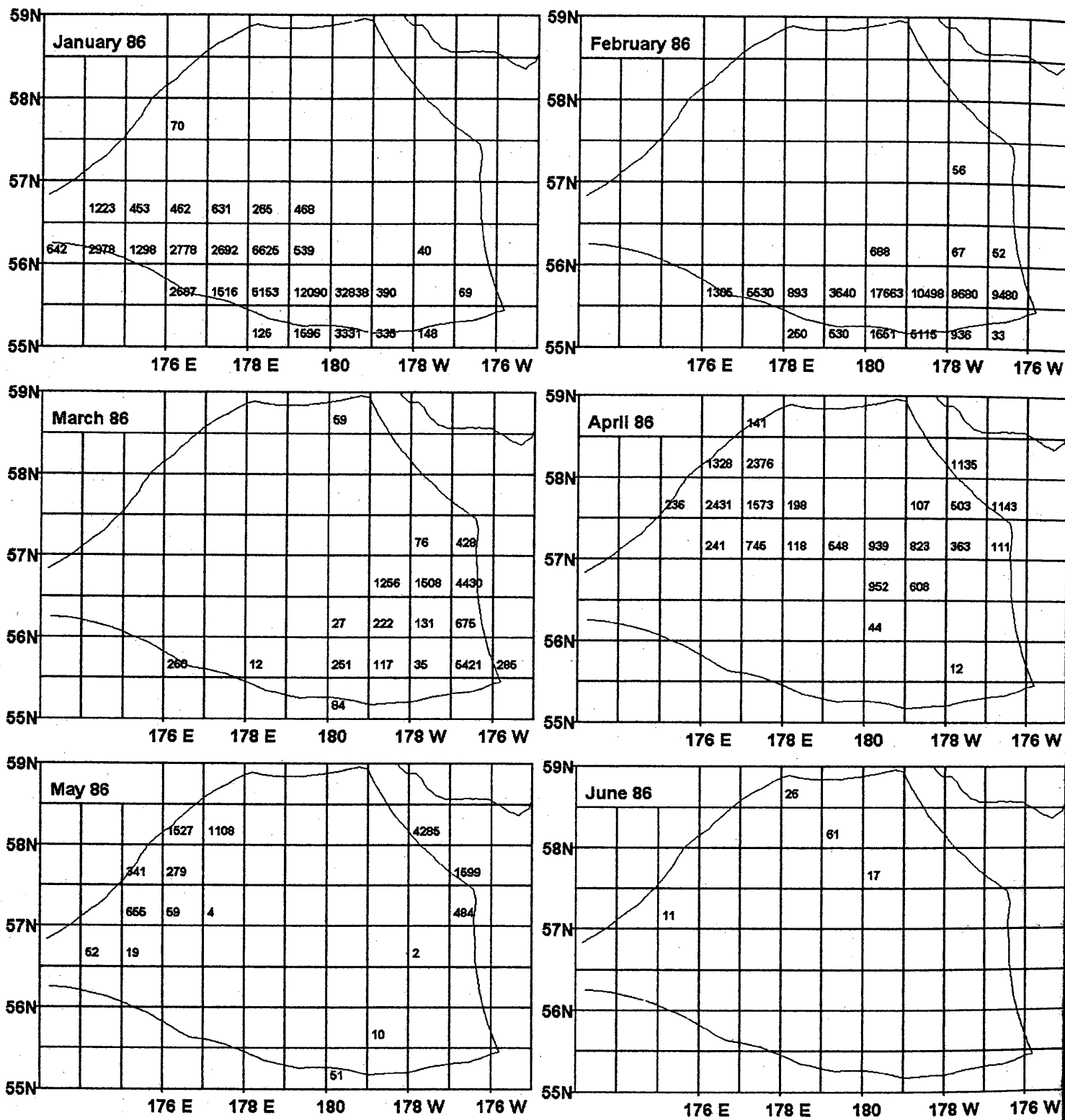


Fig. 3. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese North Pacific Trawl fisheries in 1986 (statistical block; 0.5°La. X 1°Long.).

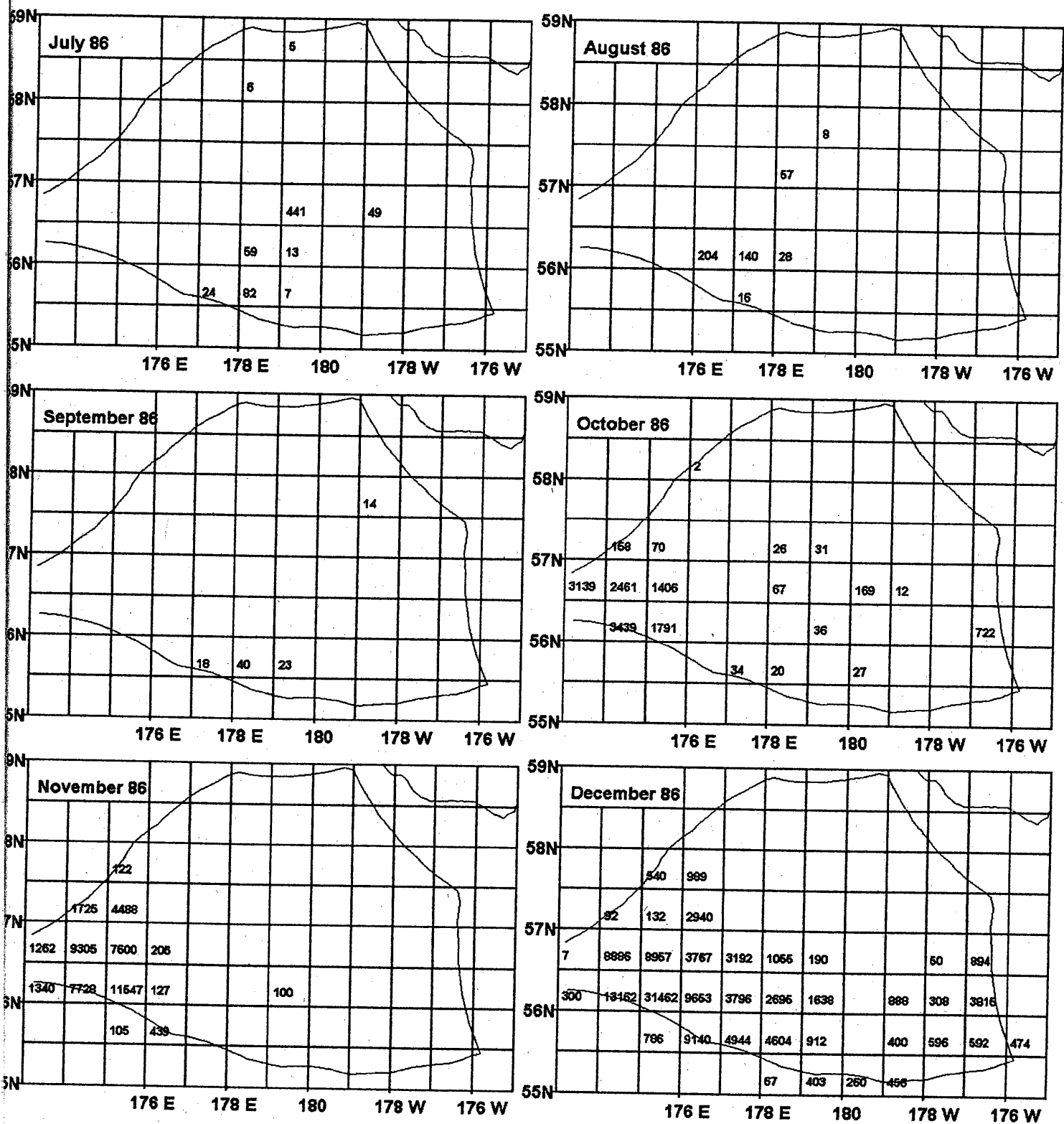


Fig. 3. Continued.

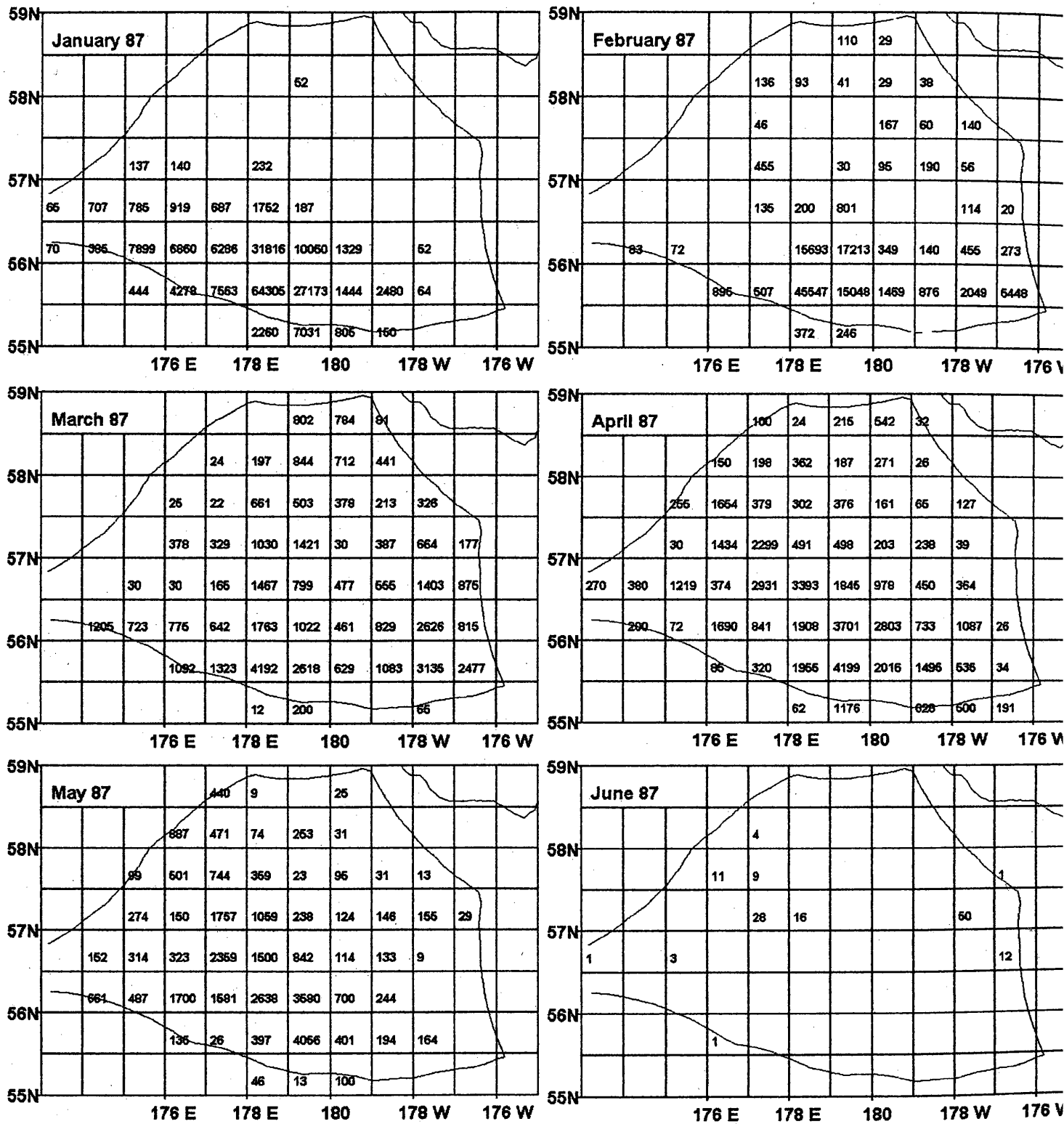


Fig. 4. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese trawl fisheries in 1987 (statistical block; 0.5°La. X 1°Long.).

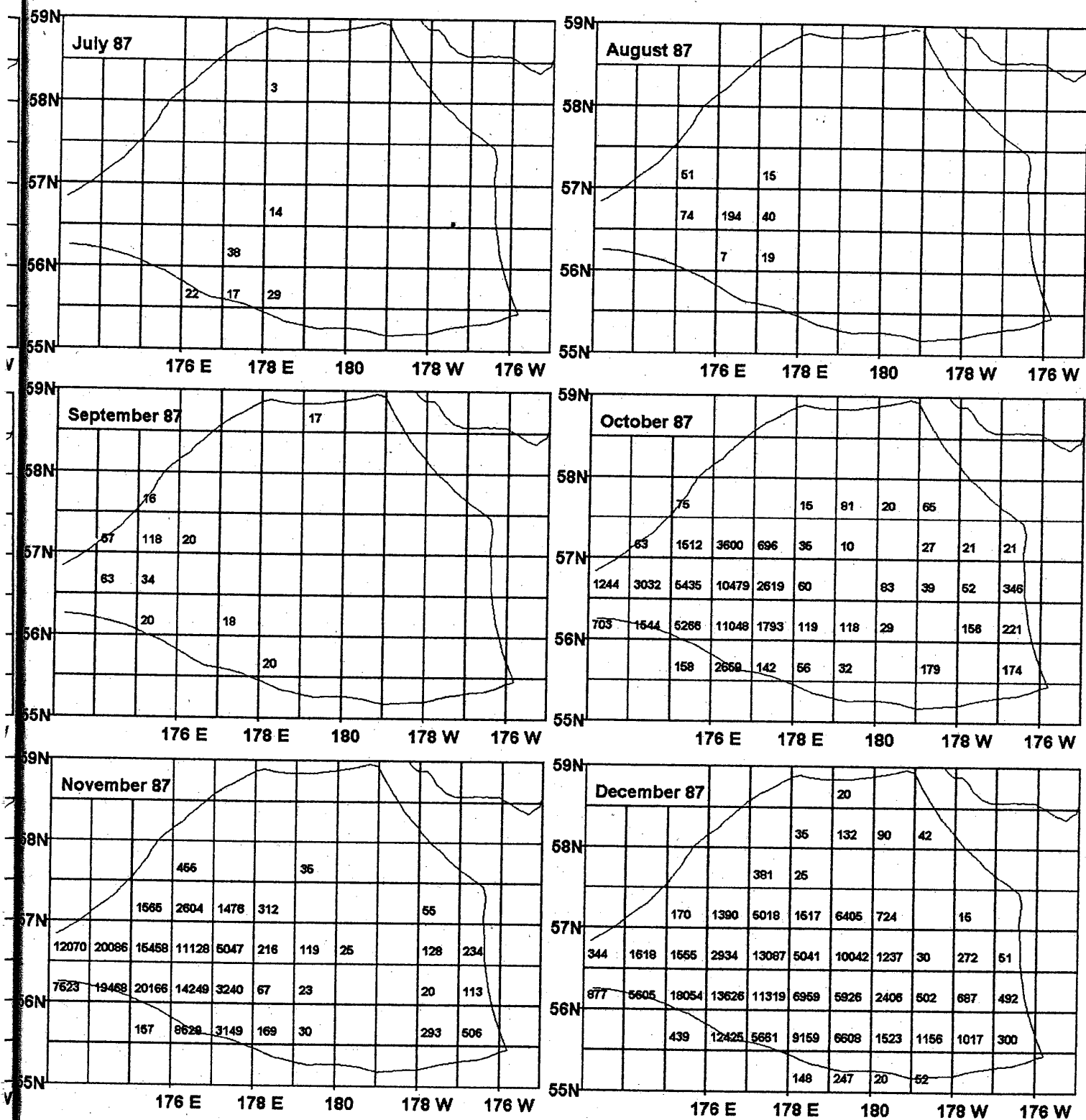


Fig. 4. Continued.

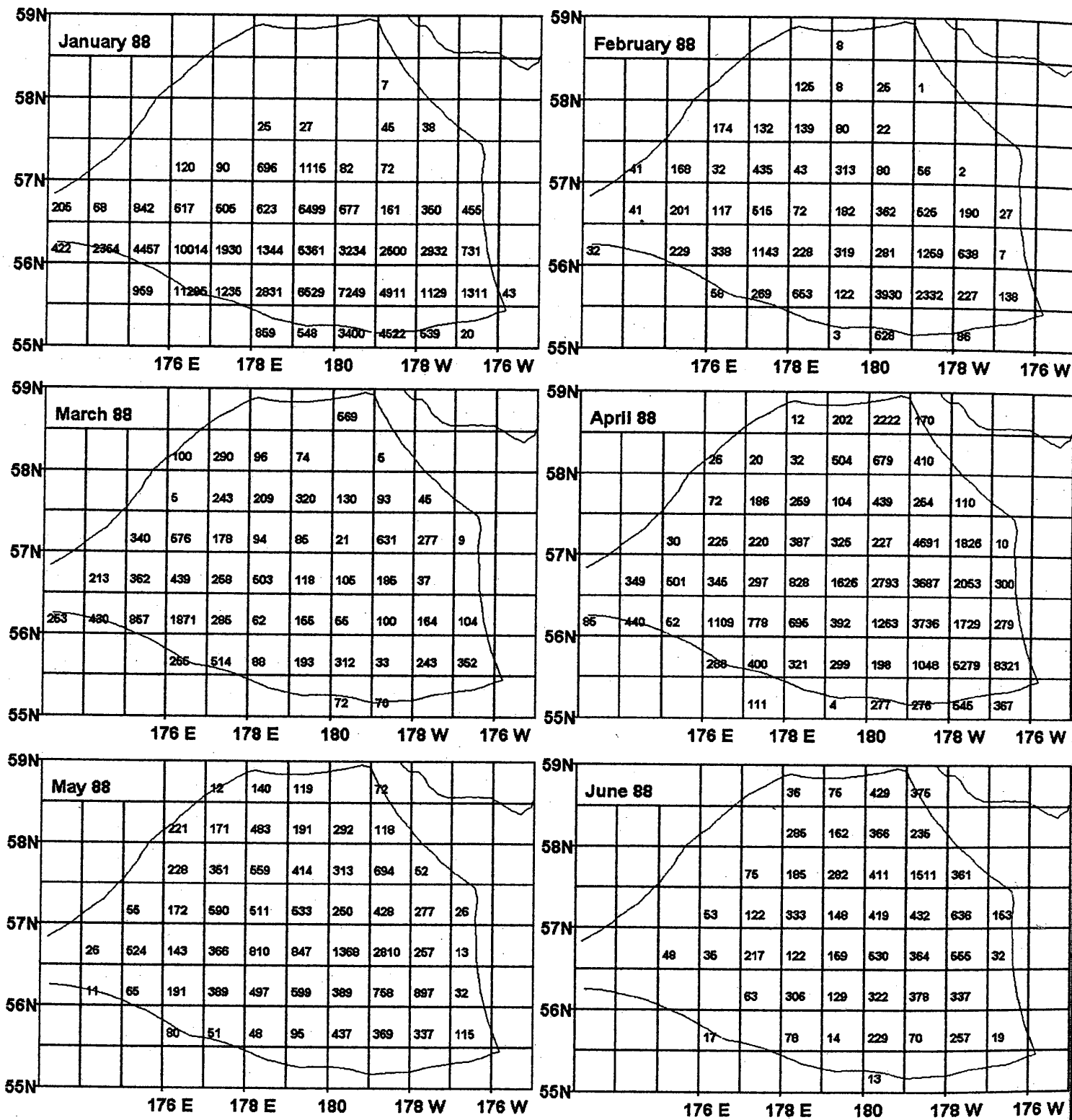


Fig. 5. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese trawl fisheries in 1988 (statistical block; 0.5°La. X 1°Long.).

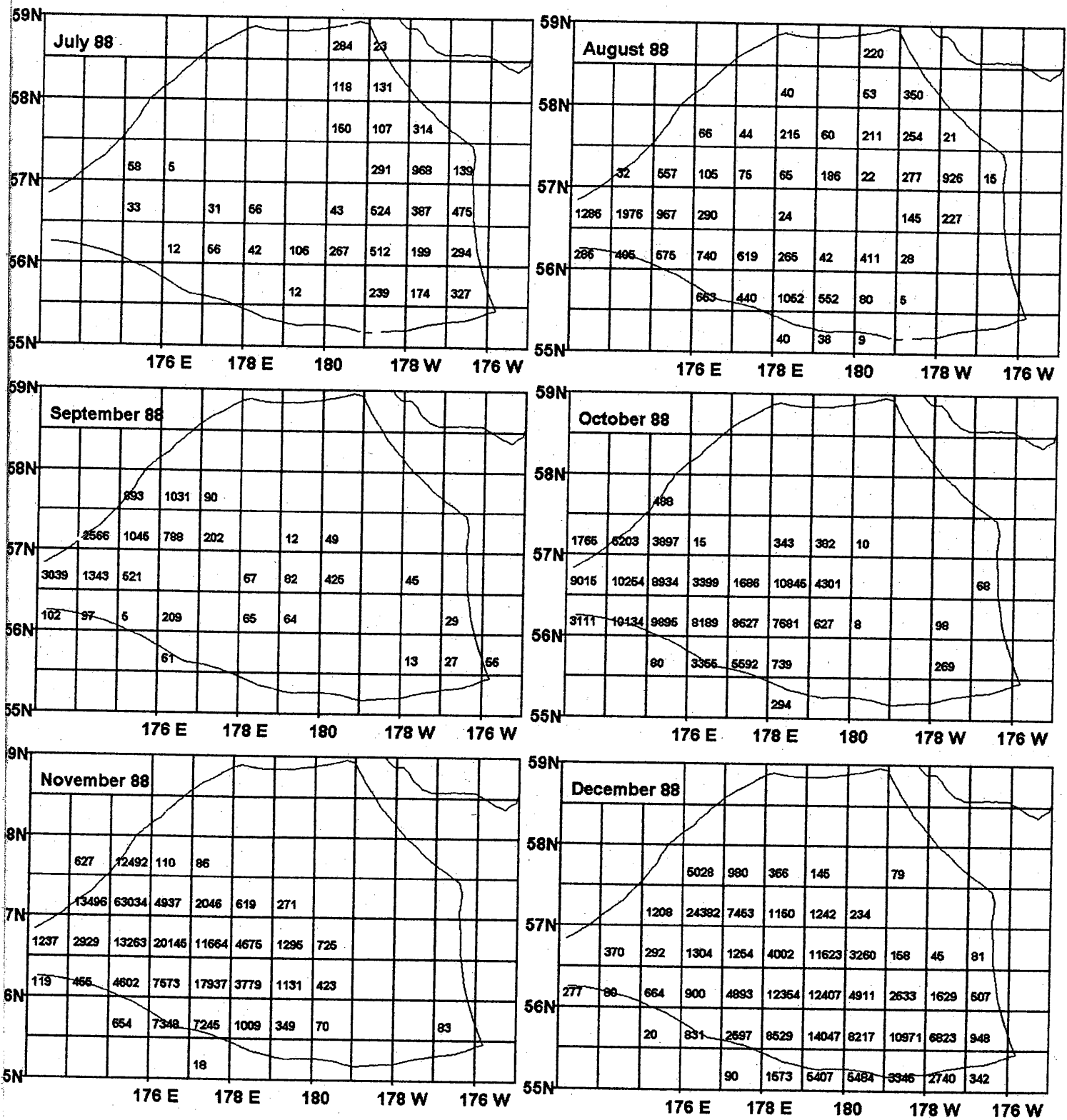


Fig. 5. Continued.

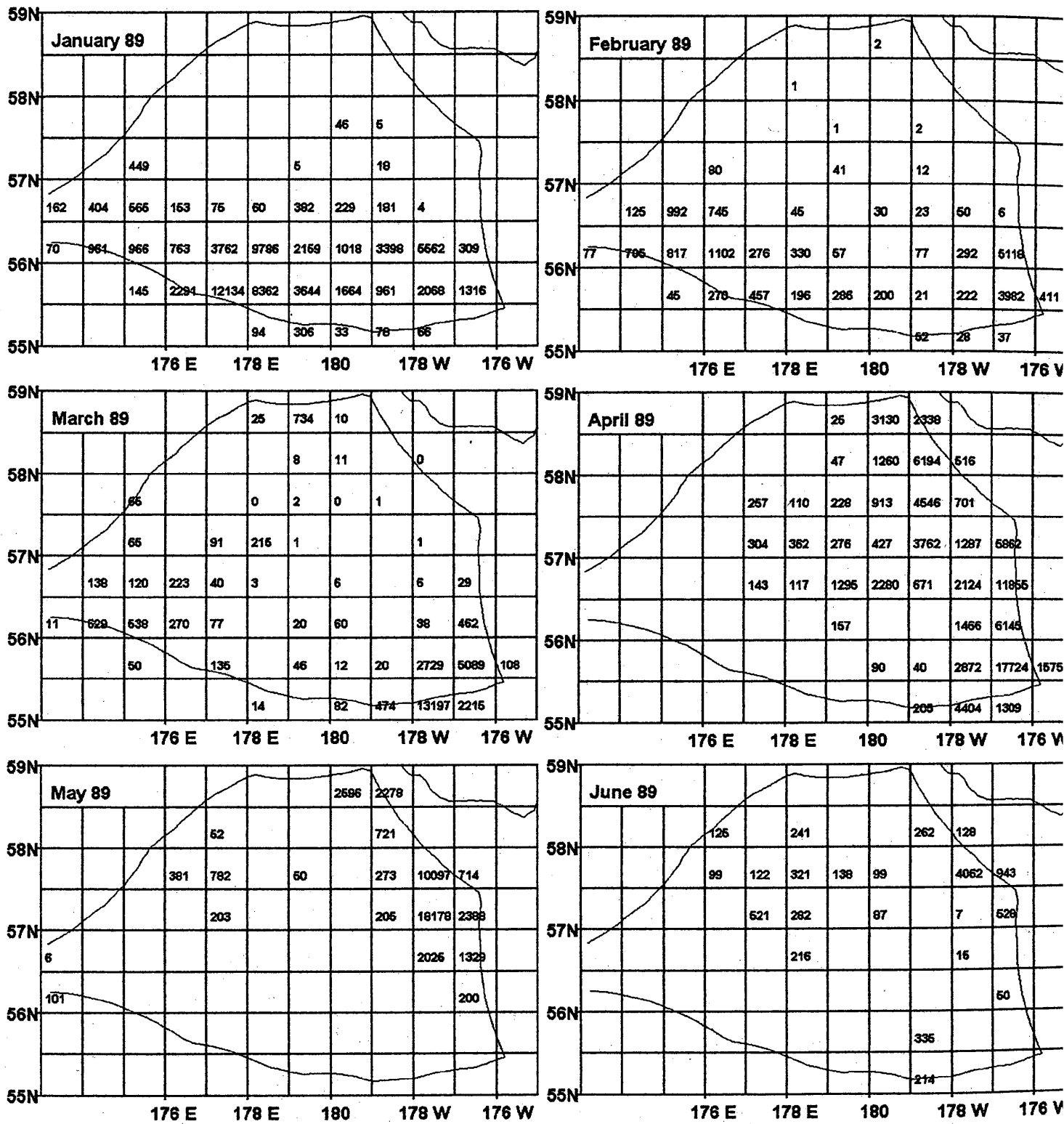


Fig. 6. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese trawl fisheries in 1989 (statistical block; 0.5°La. X 1°Long.).

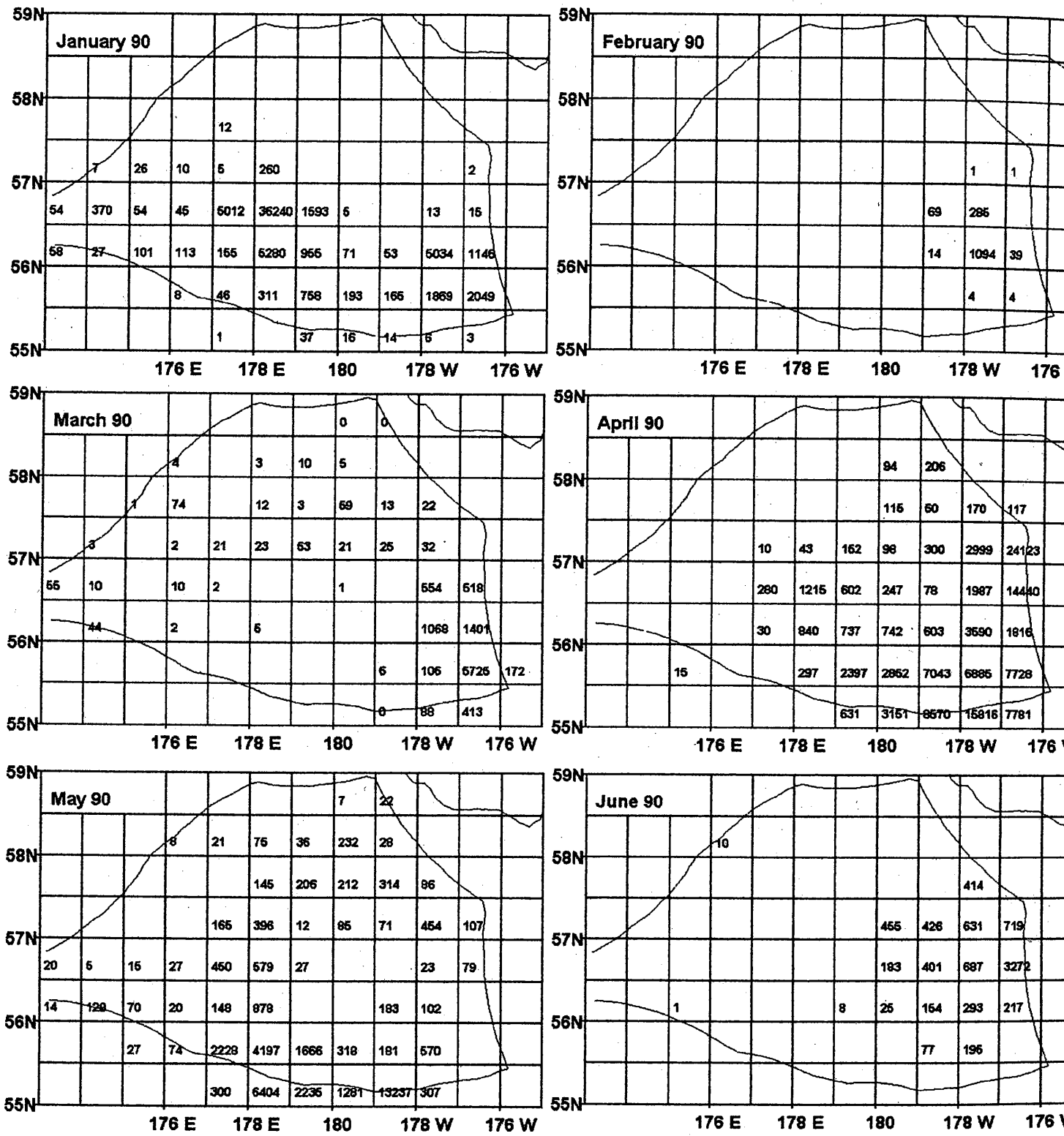


Fig. 7. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese trawl fisheries in 1990 (statistical block; 0.5°La. X 1°Long.).

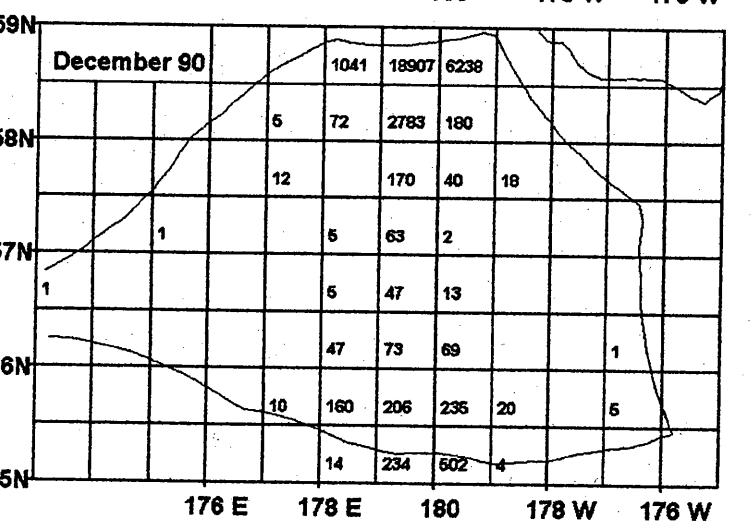
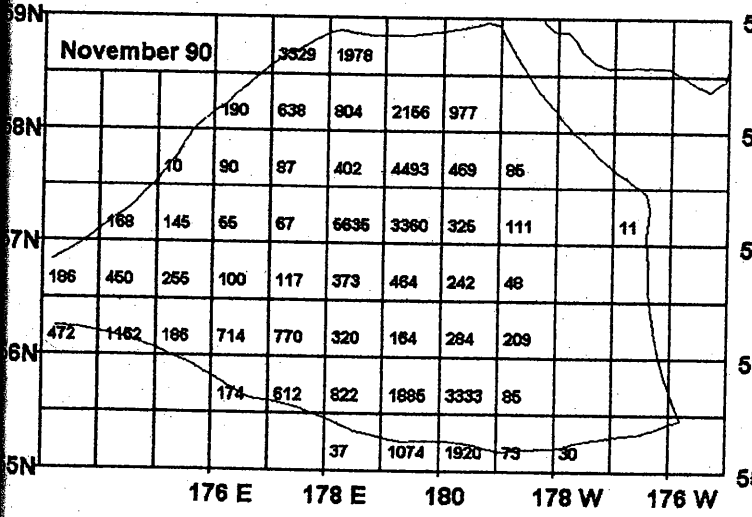
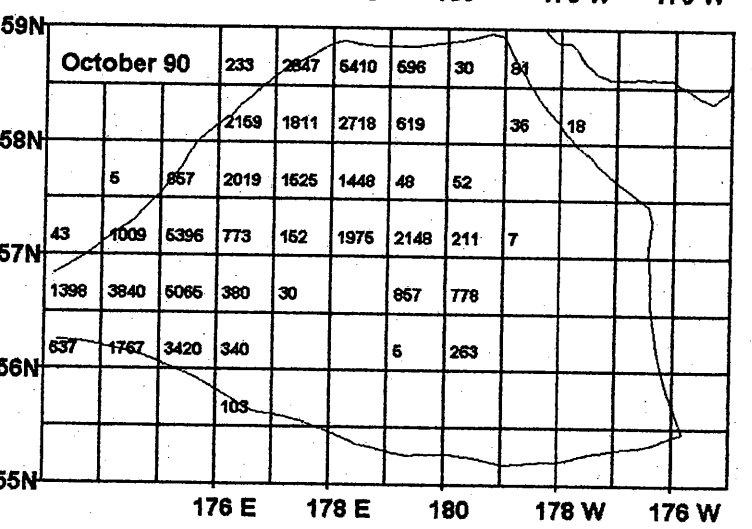
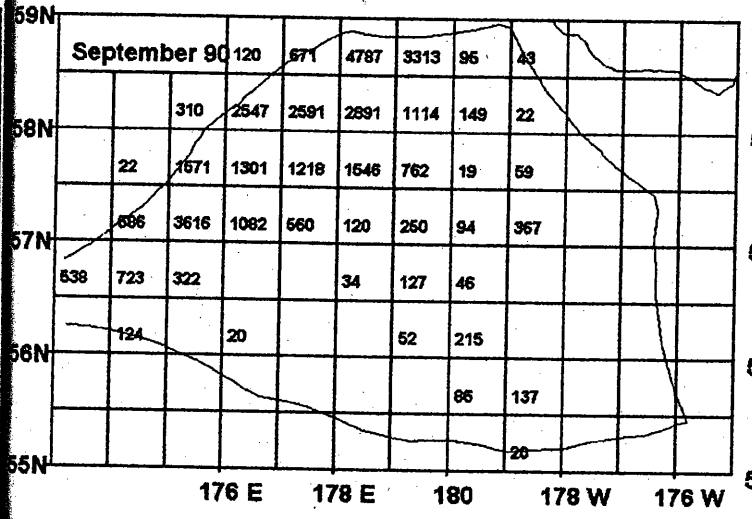
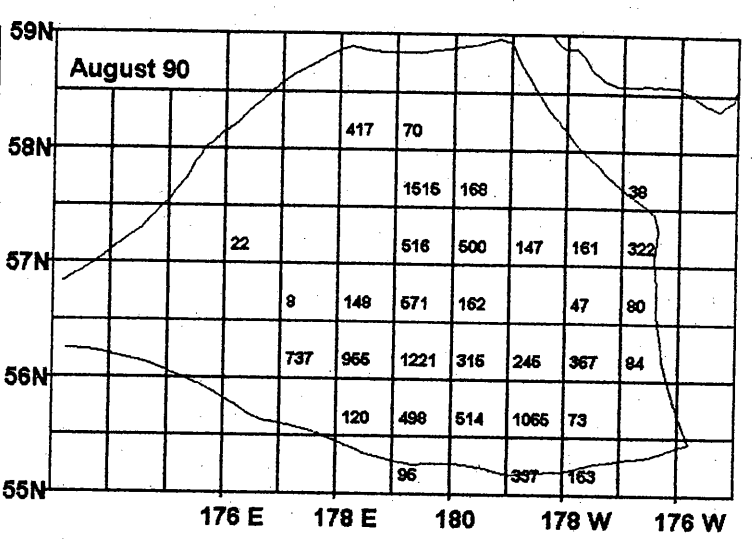
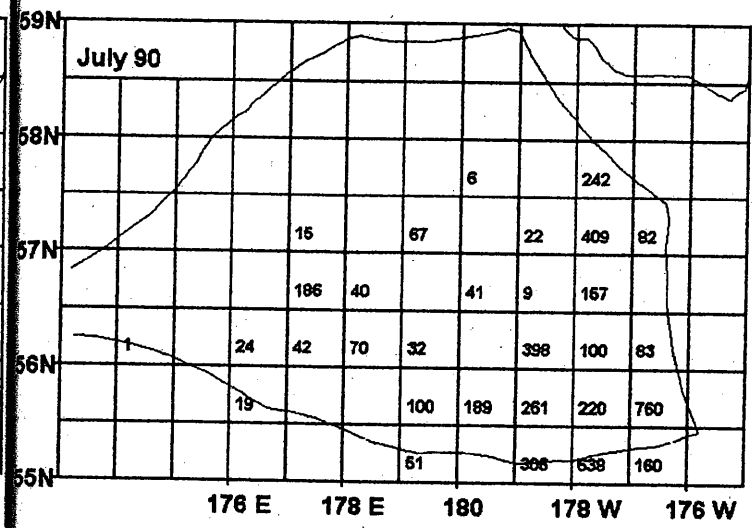


Fig. 7. Continued.

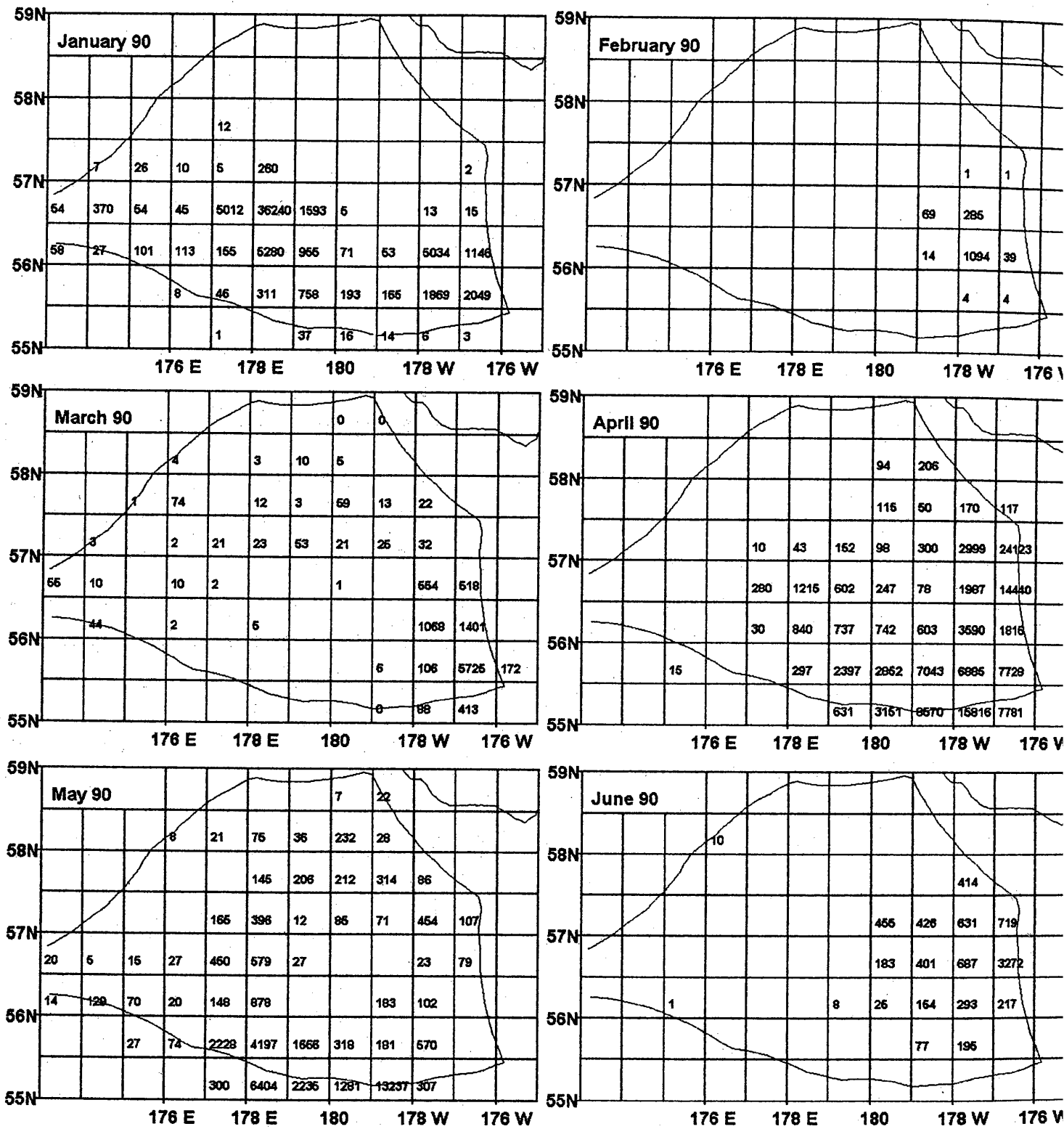


Fig. 8. Monthly catch of the pelagic walleye pollock in the Donut Hole area by the Japanese trawl fisheries in 1991 (statistical block; 0.5°La. X 1°Long.).

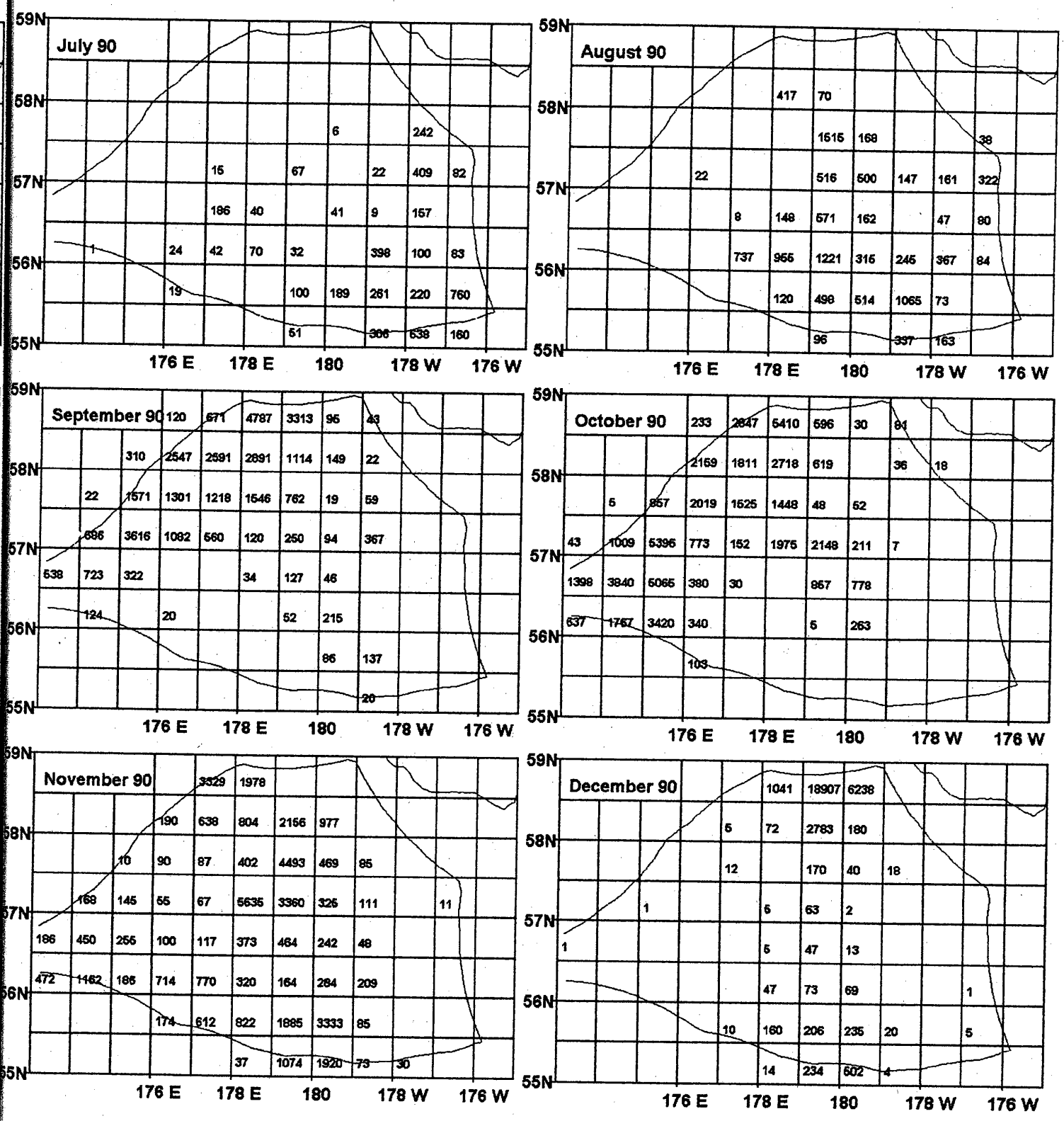
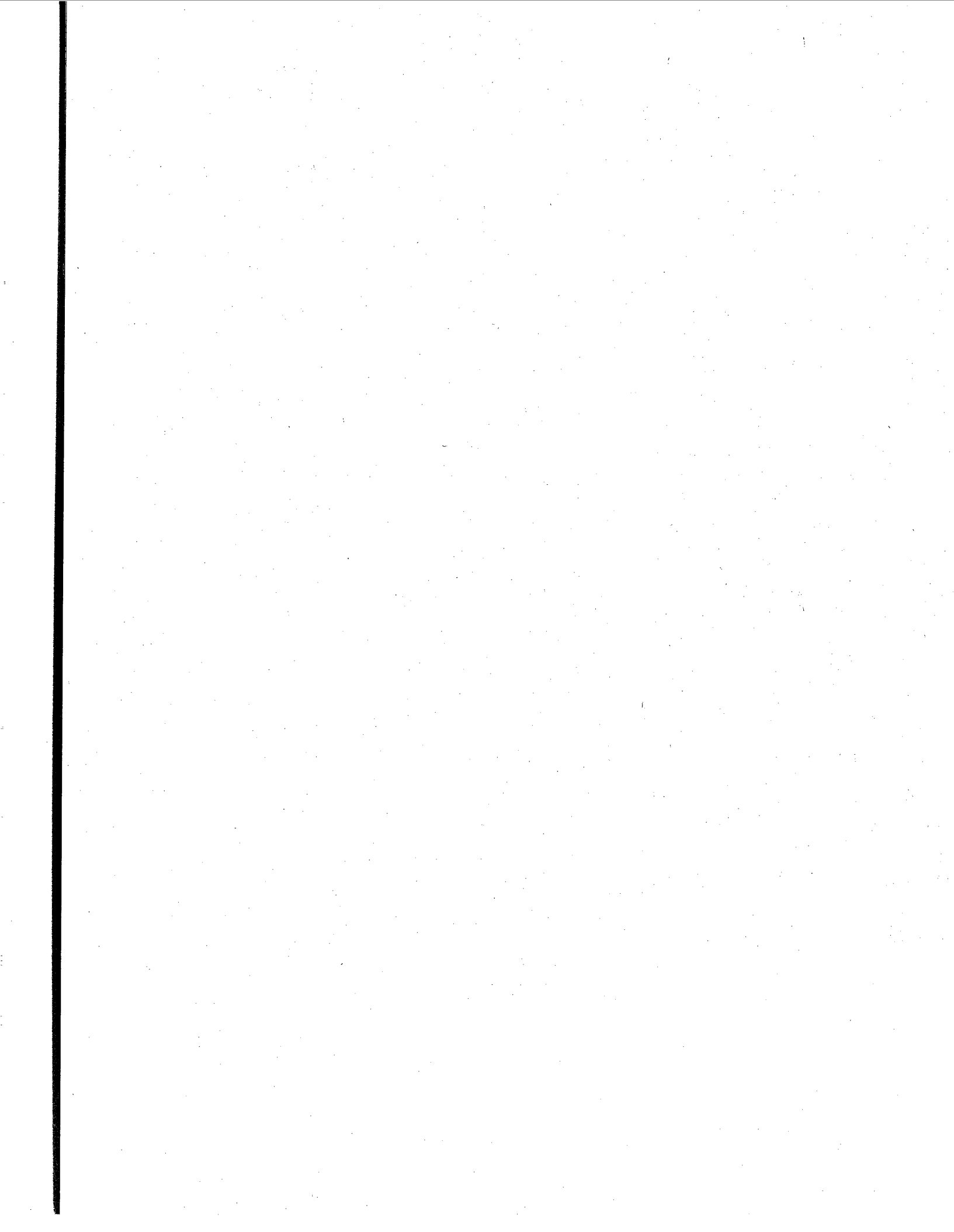


Fig. 8. Continued.



**Landbased Dragnet Fisheries
(1984-1986)**

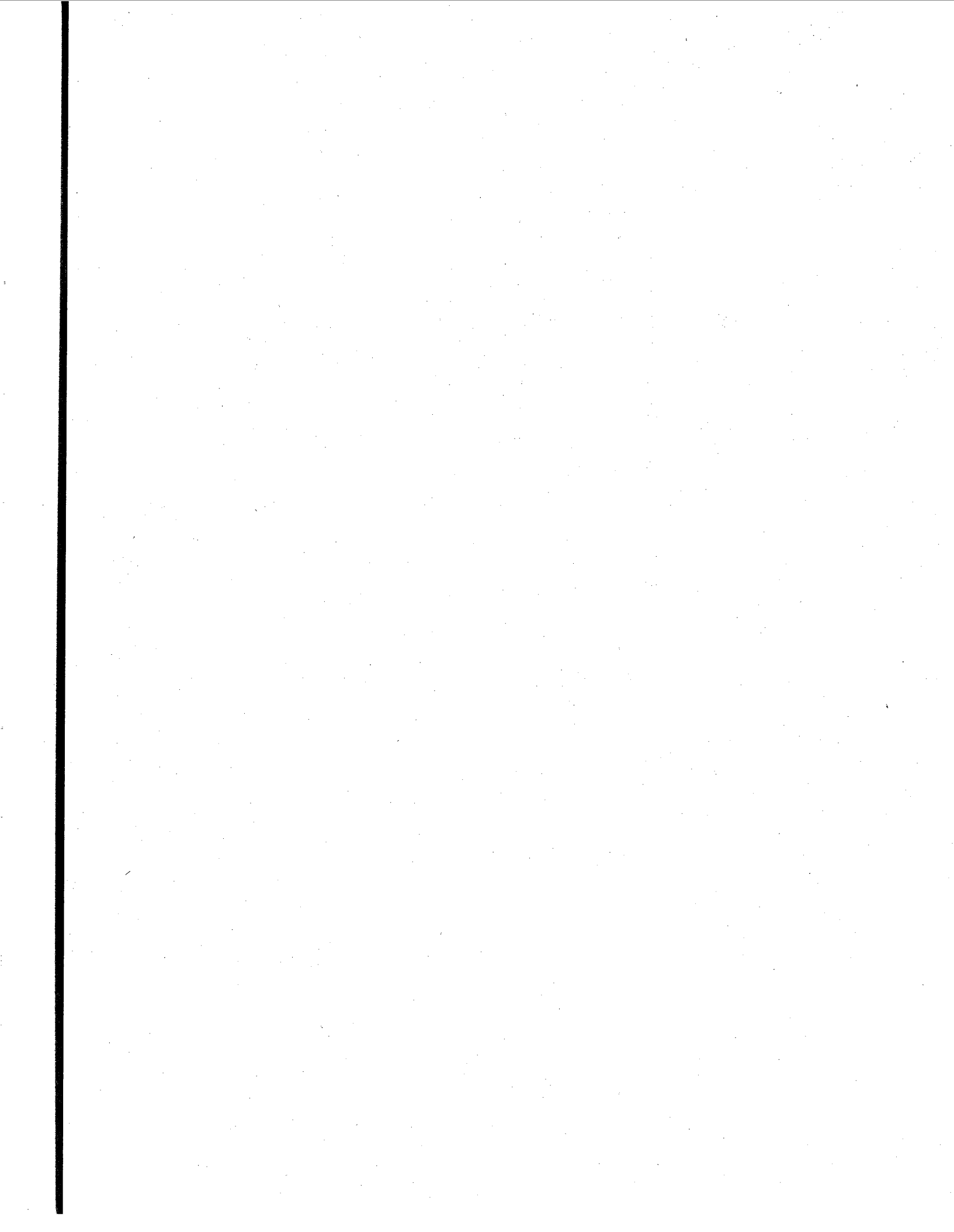


Table 10. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Land Based Trawl fisheries in 1984. No information about longitude E or W.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1984	Jan	56.15 N	176.3	29	12	2.5
1984	Jan	56.45 N	176.3	127	70	1.8
1984	Jan	56.15 N	178.3	13	2	5.6
1984	Jan	56.45 N	178.3	8	9	0.9
1984	Jan	56.15 N	179.3	9	9	1.1
1984	Jan	56.45 N	179.3	15	8	1.9
1984	Jan	57.15 N	176.3	75	35	2.1
1984	Jan	57.15 N	177.3	90	45	2.0
1984	Jan	57.45 N	177.3	23	19	1.2
1984	Jan	57.15 N	178.3	7	8	0.9
1984	Jan	57.45 N	178.3	10	8	1.3
1984	Jan	57.15 N	179.3	7	8	0.9
1984	Feb	55.45 N	176.3	3336	365	9.1
1984	Feb	55.45 N	177.3	16	7	2.4
1984	Feb	55.45 N	178.3	246	68	3.6
1984	Feb	55.45 N	179.3	231	70	3.3
1984	Feb	55.45 N	179.3	22	17	1.3
1984	Feb	56.15 N	176.3	4648	508	9.1
1984	Feb	56.45 N	176.3	52	6	8.9
1984	Feb	56.15 N	177.3	4239	368	11.5
1984	Feb	56.45 N	177.3	1515	186	8.1
1984	Feb	56.15 N	178.3	20	5	4.0
1984	Feb	57.15 N	175.3	8	11	0.8
1984	Feb	57.45 N	176.3	7	2	3.8
1984	Feb	57.15 N	177.3	47	25	1.9
1984	Feb	57.45 N	177.3	46	20	2.3
1984	Feb	57.15 N	178.3	44	17	2.5
1984	Mar	55.45 N	176.3	8414	1093	7.7
1984	Mar	55.45 N	177.3	17426	2550	6.8
1984	Mar	55.45 N	178.3	390	141	2.8
1984	Mar	55.45 N	178.3	133	12	10.8
1984	Mar	55.45 N	179.3	16	6	2.7
1984	Mar	55.45 N	179.3	47	7	6.7
1984	Mar	56.15 N	176.3	516	67	7.7
1984	Mar	56.45 N	176.3	101	22	4.5
1984	Mar	56.15 N	177.3	8652	1315	6.6
1984	Mar	56.45 N	177.3	3131	550	5.7
1984	Mar	56.15 N	178.3	0	20	0.0
1984	Mar	56.15 N	178.3	56	14	4.0
1984	Mar	56.45 N	178.3	99	19	5.2
1984	Mar	56.15 N	179.3	70	30	2.3
1984	Mar	56.45 N	179.3	244	52	4.7
1984	Mar	57.15 N	176.3	9	6	1.5
1984	Mar	57.15 N	177.3	3255	937	3.5
1984	Mar	57.45 N	177.3	60	32	1.9
1984	Mar	57.15 N	178.3	316	91	3.5
1984	Mar	57.45 N	178.3	84	25	3.3
1984	Mar	57.15 N	179.3	3	6	0.5
1984	Mar	57.15 N	179.3	34	11	3.2
1984	Mar	57.45 N	179.3	5	5	1.1
1984	Mar	57.45 N	179.3	82	24	3.5
1984	Mar	58.15 N	178.3	19	9	2.2
1984	Mar	58.15 N	178.3	104	31	3.3
1984	Mar	58.45 N	178.3	5	5	1.0

Table 10. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1984	Mar	58.15 N	179.3	30	13	2.3
1984	Mar	58.15 N	179.3	379	96	4.0
1984	Mar	58.45 N	179.3	507	127	4.0
1984	Jun	56.45 N	179.3	0	5	0.0
1984	Jun	58.15 N	178.3	0	10	0.0
1984	Jun	58.15 N	179.3	0	4	0.0
1984	Jun	58.45 N	179.3	0	3	0.0
1984	Aug	55.45 N	177.3	20	13	1.6
1984	Aug	56.15 N	176.3	75	14	5.3
1984	Aug	56.15 N	177.3	75	12	6.1
1984	Aug	56.45 N	177.3	56	11	4.9
1984	Aug	58.15 N	178.3	0	17	0.0
1984	Sep	55.45 N	176.3	97	46	2.1
1984	Sep	55.45 N	177.3	304	86	3.5
1984	Sep	55.45 N	178.3	7	16	0.4
1984	Sep	55.45 N	178.3	9	22	0.4
1984	Sep	55.45 N	179.3	27	23	1.2
1984	Sep	55.45 N	179.3	27	84	0.3
1984	Sep	56.45 N	176.3	28	4	6.3
1984	Sep	56.15 N	177.3	5	13	0.4
1984	Sep	56.15 N	177.3	70	5	14.0
1984	Sep	56.45 N	177.3	69	4	17.3
1984	Sep	56.45 N	177.3	54	13	4.2
1984	Sep	56.15 N	178.3	230	126	1.8
1984	Sep	56.15 N	178.3	4	15	0.3
1984	Sep	56.45 N	178.3	25	24	1.0
1984	Sep	56.45 N	178.3	20	4	5.7
1984	Sep	56.15 N	179.3	34	30	1.1
1984	Sep	56.15 N	179.3	2	5	0.4
1984	Sep	57.15 N	176.3	3	8	0.4
1984	Sep	57.15 N	177.3	8	20	0.4
1984	Sep	57.15 N	177.3	1	6	0.2
1984	Sep	57.45 N	177.3	17	52	0.3
1984	Sep	57.45 N	177.3	35	17	2.1
1984	Sep	57.15 N	178.3	63	89	0.7
1984	Sep	57.45 N	178.3	37	14	2.6
1984	Sep	57.45 N	178.3	26	5	5.2
1984	Sep	57.15 N	179.3	25	28	0.9
1984	Sep	58.15 N	177.3	3	10	0.3
1984	Sep	58.15 N	178.3	4	24	0.2
1984	Sep	58.15 N	178.3	0	6	0.0
1984	Sep	58.45 N	178.3	3	6	0.5
1984	Sep	58.15 N	179.3	12	9	1.3
1984	Sep	58.45 N	179.3	3	8	0.4
1984	Sep	58.45 N	179.3	42	24	1.8
1984	Oct	55.45 N	176.3	48	37	1.3
1984	Oct	55.45 N	177.3	244	115	2.1
1984	Oct	55.45 N	178.3	57	108	0.5
1984	Oct	55.45 N	178.3	106	77	1.4
1984	Oct	55.45 N	179.3	74	106	0.7
1984	Oct	55.45 N	179.3	23	28	0.8
1984	Oct	56.45 N	175.3	21	9	2.3
1984	Oct	56.15 N	176.3	31	27	1.1
1984	Oct	56.45 N	176.3	12	24	0.5
1984	Oct	56.15 N	177.3	42	36	1.2
1984	Oct	56.15 N	177.3	128	153	0.8
1984	Oct	56.45 N	177.3	94	87	1.1
1984	Oct	56.45 N	177.3	301	139	2.2

Table 10. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1984	Oct	56.15 N	178.3	46	25	1.9
1984	Oct	56.15 N	178.3	117	138	0.8
1984	Oct	56.45 N	178.3	44	51	0.9
1984	Oct	56.45 N	178.3	300	196	1.5
1984	Oct	56.15 N	179.3	19	12	1.5
1984	Oct	56.45 N	179.3	1	5	0.2
1984	Oct	56.45 N	179.3	24	37	0.7
1984	Oct	57.15 N	175.3	19	9	2.2
1984	Oct	57.15 N	176.3	4	12	0.3
1984	Oct	57.15 N	177.3	9	16	0.6
1984	Oct	57.15 N	177.3	61	28	2.2
1984	Oct	57.45 N	177.3	21	22	1.0
1984	Oct	57.15 N	178.3	2	23	0.1
1984	Oct	57.15 N	178.3	47	45	1.0
1984	Oct	57.45 N	178.3	1	5	0.2
1984	Oct	57.45 N	178.3	36	35	1.0
1984	Oct	57.15 N	179.3	12	46	0.3
1984	Oct	57.15 N	179.3	5	15	0.3
1984	Oct	57.45 N	179.3	6	5	1.2
1984	Oct	58.15 N	178.3	61	42	1.4
1984	Oct	58.15 N	179.3	4	21	0.2
1984	Oct	58.45 N	179.3	44	50	0.9

Table 11. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Land Based Trawl fisheries in 1985. No information about longitude E or W.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Jan	55.45 N	176.3	237	59	4.0
1985	Jan	55.45 N	177.3	3054	604	5.1
1985	Jan	55.45 N	178.3	1531	202	7.6
1985	Jan	55.45 N	178.3	3280	558	5.9
1985	Jan	55.45 N	179.3	4122	563	7.3
1985	Jan	55.45 N	179.3	5003	691	7.2
1985	Jan	56.15 N	177.3	28	5	5.4
1985	Jan	56.15 N	178.3	76	9	8.4
1985	Jan	56.15 N	178.3	100	27	3.7
1985	Jan	56.15 N	179.3	260	30	8.6
1985	Jan	56.15 N	179.3	20	6	3.2
1985	Jan	57.15 N	177.3	4	2	2.2
1985	Jan	57.15 N	179.3	7	7	1.0
1985	Jan	58.15 N	178.3	5	4	1.3
1985	Feb	55.45 N	176.3	6791	1511	4.5
1985	Feb	55.45 N	177.3	8884	2128	4.2
1985	Feb	55.45 N	178.3	20	8	2.4
1985	Feb	55.45 N	178.3	1742	430	4.1
1985	Feb	55.45 N	179.3	1254	263	4.8
1985	Feb	55.45 N	179.3	755	189	4.0
1985	Feb	56.15 N	177.3	126	27	4.8
1985	Feb	56.15 N	178.3	39	11	3.5
1985	Feb	56.15 N	178.3	30	9	3.3
1985	Feb	56.15 N	179.3	4888	754	6.5
1985	Feb	56.15 N	179.3	962	232	4.1
1985	Feb	56.45 N	179.3	1097	199	5.5
1985	Mar	55.45 N	176.3	2602	945	2.8
1985	Mar	55.45 N	177.3	628	266	2.4
1985	Mar	55.45 N	178.3	515	138	3.7
1985	Mar	55.45 N	178.3	129	58	2.2
1985	Mar	55.45 N	179.3	408	154	2.7
1985	Mar	55.45 N	179.3	60	45	1.3
1985	Mar	56.15 N	175.3	10	6	1.7
1985	Mar	56.15 N	176.3	60	9	6.4
1985	Mar	56.15 N	176.3	10	25	0.4
1985	Mar	56.15 N	177.3	61	10	6.1
1985	Mar	56.15 N	177.3	111	61	1.8
1985	Mar	56.15 N	178.3	43	37	1.2
1985	Mar	56.15 N	178.3	9	6	1.5
1985	Mar	56.45 N	178.3	89	29	3.1
1985	Mar	56.45 N	179.3	43	10	4.3
1985	Mar	57.15 N	177.3	13	11	1.2
1985	Mar	57.15 N	178.3	80	15	5.3
1985	Mar	57.45 N	178.3	70	7	9.8
1985	Mar	57.15 N	179.3	23	12	1.9
1985	Mar	57.45 N	179.3	63	23	2.7
1985	Mar	58.15 N	178.3	110	137	0.8
1985	Mar	58.45 N	178.3	10	9	1.1
1985	Mar	58.15 N	179.3	813	134	6.1
1985	Mar	58.45 N	179.3	48	55	0.9
1985	Mar	58.45 N	179.3	74	25	3.0
1985	Apr	55.45 N	179.3	57	30	1.9
1985	Apr	56.15 N	175.3	8	6	1.3
1985	Apr	56.15 N	176.3	7	6	1.2

Table 11. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	May	55.45 N	177.3	13	24	0.6
1985	May	55.45 N	179.3	138	54	2.6
1985	May	56.15 N	178.3	59	11	5.4
1985	May	56.15 N	178.3	348	58	6.0
1985	May	56.15 N	179.3	124	6	20.7
1985	May	56.45 N	179.3	78	14	5.6
1985	May	57.45 N	177.3	0	3	0.0
1985	May	58.15 N	178.3	0	7	0.0
1985	May	58.45 N	179.3	131	20	6.6
1985	Jun	55.45 N	176.3	25	15	1.7
1985	Jun	55.45 N	177.3	80	62	1.3
1985	Jun	55.45 N	178.3	2	15	0.1
1985	Jun	55.45 N	178.3	15	9	1.7
1985	Jun	56.15 N	177.3	19	27	0.7
1985	Jun	56.45 N	178.3	15	5	3.0
1985	Jun	56.15 N	179.3	23	7	3.5
1985	Jun	56.45 N	179.3	10	6	1.8
1985	Jun	57.45 N	177.3	73	38	1.9
1985	Jun	57.15 N	178.3	45	12	3.7
1985	Jun	57.45 N	178.3	20	20	1.0
1985	Jun	58.15 N	179.3	44	44	1.0
1985	Jun	58.45 N	179.3	24	21	1.1
1985	Jul	55.45 N	177.3	36	15	2.4
1985	Jul	55.45 N	178.3	32	30	1.1
1985	Jul	55.45 N	178.3	18	15	1.2
1985	Jul	55.45 N	179.3	256	58	4.4
1985	Jul	56.15 N	176.3	10	17	0.6
1985	Jul	56.15 N	177.3	15	6	2.5
1985	Jul	56.15 N	178.3	9	13	0.7
1985	Jul	56.15 N	179.3	9	16	0.6
1985	Jul	56.45 N	179.3	9	8	1.1
1985	Jul	57.45 N	179.3	12	21	0.6
1985	Jul	58.15 N	178.3	12	14	0.9
1985	Jul	58.15 N	179.3	74	62	1.2
1985	Jul	58.45 N	179.3	31	22	1.4
1985	Jul	58.45 N	179.3	16	14	1.2
1985	Aug	56.15 N	177.3	146	36	4.1
1985	Aug	56.15 N	177.3	5	13	0.4
1985	Aug	56.45 N	177.3	28	18	1.6
1985	Aug	56.15 N	178.3	162	40	4.1
1985	Aug	56.15 N	178.3	43	24	1.8
1985	Aug	56.45 N	178.3	16	18	0.9
1985	Aug	58.15 N	178.3	0	7	0.0
1985	Sep	55.45 N	176.3	152	37	4.1
1985	Sep	55.45 N	177.3	246	61	4.1
1985	Sep	55.45 N	178.3	25	7	3.6
1985	Sep	56.15 N	177.3	16	10	1.6
1985	Sep	56.45 N	177.3	29	29	1.0
1985	Sep	56.15 N	178.3	93	6	15.5
1985	Sep	56.15 N	178.3	25	8	3.1
1985	Sep	56.45 N	178.3	24	25	1.0
1985	Sep	56.15 N	179.3	287	34	8.4
1985	Sep	56.45 N	179.3	30	3	10.0
1985	Sep	57.15 N	176.3	23	25	0.9
1985	Sep	57.45 N	176.3	10	7	1.4
1985	Sep	57.15 N	177.3	14	6	2.3
1985	Sep	57.15 N	177.3	44	37	1.2
1985	Sep	57.45 N	177.3	5	7	0.8

Table 11. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Sep	57.15 N	178.3	18	7	2.6
1985	Sep	57.45 N	178.3	17	6	2.9
1985	Sep	57.15 N	179.3	7	10	0.7
1985	Sep	57.45 N	179.3	31	29	1.1
1985	Sep	57.45 N	179.3	23	23	1.0
1985	Sep	58.15 N	178.3	11	9	1.2
1985	Sep	58.45 N	178.3	10	7	1.4
1985	Sep	58.15 N	179.3	15	8	1.9
1985	Sep	58.15 N	179.3	190	118	1.6
1985	Sep	58.45 N	179.3	10	7	1.4
1985	Sep	58.45 N	179.3	24	15	1.6
1985	Oct	55.45 N	176.3	33	9	3.5
1985	Oct	55.45 N	177.3	31	5	6.2
1985	Oct	55.45 N	178.3	49	20	2.4
1985	Oct	55.45 N	179.3	25	10	2.5
1985	Oct	56.15 N	176.3	80	16	5.0
1985	Oct	56.15 N	177.3	167	54	3.1
1985	Oct	56.15 N	177.3	29	7	4.1
1985	Oct	56.45 N	177.3	60	26	2.3
1985	Oct	56.15 N	178.3	59	11	5.5
1985	Oct	56.45 N	178.3	33	17	1.9
1985	Oct	56.45 N	179.3	11	8	1.5
1985	Oct	57.15 N	177.3	70	29	2.4
1985	Oct	57.45 N	177.3	11	12	0.9
1985	Oct	57.45 N	177.3	253	51	4.9
1985	Oct	57.15 N	178.3	0	8	0.0
1985	Oct	57.45 N	178.3	23	16	1.4
1985	Oct	58.15 N	177.3	12	13	0.9
1985	Oct	58.15 N	178.3	80	46	1.7
1985	Oct	58.15 N	179.3	53	11	4.8
1985	Oct	58.45 N	179.3	52	12	4.5
1985	Nov	55.45 N	176.3	112	33	3.4
1985	Nov	55.45 N	177.3	790	158	5.0
1985	Nov	55.45 N	178.3	185	44	4.2
1985	Nov	55.45 N	179.3	30	7	4.2
1985	Nov	55.45 N	179.3	160	54	3.0
1985	Nov	56.15 N	177.3	9	30	0.3
1985	Nov	56.15 N	177.3	20	5	3.7
1985	Nov	56.45 N	177.3	18	6	3.0
1985	Nov	56.15 N	178.3	4	19	0.2
1985	Nov	56.15 N	178.3	72	31	2.3
1985	Nov	56.15 N	179.3	118	31	3.8
1985	Nov	56.15 N	179.3	76	28	2.7
1985	Nov	56.45 N	179.3	44	26	1.7
1985	Nov	57.15 N	177.3	15	12	1.3
1985	Nov	57.45 N	177.3	15	9	1.7
1985	Nov	57.45 N	178.3	18	16	1.1
1985	Nov	57.45 N	179.3	12	11	1.1
1985	Nov	58.15 N	178.3	7	10	0.7
1985	Nov	58.15 N	179.3	10	13	0.8
1985	Nov	58.45 N	179.3	140	66	2.1
1985	Dec	55.45 N	178.3	271	24	11.1
1985	Dec	55.45 N	178.3	69	10	6.9
1985	Dec	55.45 N	179.3	220	22	9.9
1985	Dec	55.45 N	179.3	158	17	9.3
1985	Dec	56.15 N	173.3	142	29	4.9
1985	Dec	56.15 N	174.3	66	32	2.1
1985	Dec	56.45 N	174.3	23	18	1.3

Table 11. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1985	Dec	56.15 N	175.3	191	40	4.8
1985	Dec	56.45 N	175.3	84	10	8.8
1985	Dec	56.15 N	176.3	20	19	1.0
1985	Dec	56.15 N	177.3	6	10	0.6
1985	Dec	56.15 N	177.3	30	9	3.3
1985	Dec	56.45 N	177.3	82	15	5.5
1985	Dec	56.15 N	178.3	41	34	1.2
1985	Dec	56.15 N	178.3	54	9	5.9
1985	Dec	56.15 N	179.3	168	33	5.1
1985	Dec	56.15 N	179.3	87	8	10.9
1985	Dec	56.45 N	179.3	59	13	4.5
1985	Dec	56.45 N	179.3	50	29	1.7
1985	Dec	57.15 N	177.3	70	28	2.5
1985	Dec	57.45 N	178.3	56	17	3.3
1985	Dec	57.15 N	179.3	12	8	1.5
1985	Dec	58.15 N	178.3	124	35	3.5
1985	Dec	58.15 N	179.3	27	18	1.5

Table 12. Monthly catch, effort and CPUE of walleye pollock in the central Bering Sea by statistical blocks (0.5 Lat. X 1 Long.) for the Land Based Trawl fisheries in 1986

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Jan	55.45 N	176.3 E	1708	170	10.0
1986	Jan	55.45 N	177.3 E	3534	282	12.5
1986	Jan	55.15 N	178.3 E	15	6	2.6
1986	Jan	55.15 N	179.3 E	919	92	10.0
1986	Jan	55.15 N	178.3 W	168	30	5.6
1986	Jan	55.15 N	179.3 W	3486	499	7.0
1986	Jan	55.45 N	177.3 W	409	21	19.8
1986	Jan	55.45 N	178.3 E	2657	172	15.5
1986	Jan	55.45 N	178.3 W	277	43	6.4
1986	Jan	55.45 N	179.3 E	11002	1172	9.4
1986	Jan	55.45 N	179.3 W	28206	3820	7.4
1986	Jan	59.15 N	173.3 E	3582	315	11.4
1986	Jan	56.45 N	173.3 E	1543	140	11.0
1986	Jan	56.15 N	174.3 E	9840	1115	8.8
1986	Jan	56.45 N	174.3 E	7365	666	11.1
1986	Jan	56.15 N	175.3 E	6515	708	9.2
1986	Jan	56.45 N	175.3 E	5717	427	13.4
1986	Jan	56.15 N	176.3 E	10269	801	12.8
1986	Jan	56.45 N	176.3 E	4983	287	17.4
1986	Jan	56.15 N	177.3 E	7289	600	12.2
1986	Jan	56.45 N	177.3 E	2621	234	11.2
1986	Jan	56.15 N	178.3 E	2119	209	10.1
1986	Jan	55.15 N	178.3 W	702	40	17.5
1986	Jan	56.45 N	178.3 E	652	47	13.8
1986	Jan	56.45 N	178.3 W	782	71	11.0
1986	Jan	56.15 N	179.3 E	932	59	15.8
1986	Jan	56.15 N	179.3 W	1470	159	9.2
1986	Jan	56.45 N	179.3 E	312	32	9.7
1986	Jan	58.45 N	177.3 E	114	6	18.0
1986	Feb	55.45 N	176.3 E	749	125	6.0
1986	Feb	55.45 N	177.3 E	563	188	3.0
1986	Feb	55.15 N	178.3 E	30	4	7.1
1986	Feb	55.15 N	177.3 W	653	159	4.1
1986	Feb	55.15 N	178.3 W	2214	572	3.9
1986	Feb	55.15 N	179.3 W	1869	272	6.9
1986	Feb	55.45 N	176.3 W	13722	4232	3.2
1986	Feb	55.45 N	177.3 W	14370	3200	4.5
1986	Feb	55.45 N	178.3 E	606	90	6.8
1986	Feb	55.45 N	178.3 W	11136	1928	5.8
1986	Feb	55.45 N	179.3 E	2040	327	6.2
1986	Feb	55.45 N	179.3 W	18406	2306	8.0
1986	Feb	56.15 N	174.3 E	133	20	6.6
1986	Feb	56.45 N	174.3 E	15	2	9.0
1986	Feb	56.15 N	175.3 E	42	28	1.5
1986	Feb	56.15 N	176.3 E	216	19	11.4
1986	Feb	56.15 N	176.3 W	253	86	2.9
1986	Feb	56.45 N	176.3 E	256	19	13.5
1986	Feb	56.15 N	177.3 E	1327	74	17.9
1986	Feb	56.15 N	177.3 W	252	37	6.9
1986	Feb	56.15 N	178.3 E	967	56	17.2
1986	Feb	56.15 N	178.3 W	359	90	4.0
1986	Feb	56.45 N	178.3 W	79	16	5.1
1986	Feb	56.15 N	179.3 E	252	14	17.8
1986	Feb	56.15 N	179.3 W	2106	198	10.6
1986	Feb	56.45 N	179.3 W	69	12	5.6
1986	Feb	57.15 N	177.3 W	19	4	4.8

Table 12. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Mar	55.45 N	176.3 E	718	204	3.5
1986	Mar	55.45 N	177.3 E	19	12	1.6
1986	Mar	55.45 N	176.3 W	7646	2890	2.6
1986	Mar	55.45 N	177.3 W	121	77	1.6
1986	Mar	55.45 N	178.3 E	116	35	3.4
1986	Mar	55.45 N	178.3 W	45	11	4.1
1986	Mar	55.45 N	179.3 W	10	13	0.8
1986	Mar	56.15 N	176.3 E	251	49	5.2
1986	Mar	56.15 N	176.3 W	2160	434	5.0
1986	Mar	56.45 N	176.3 E	618	126	4.9
1986	Mar	56.45 N	176.3 E	7226	880	8.2
1986	Mar	56.15 N	177.3 W	349	56	6.3
1986	Mar	56.45 N	177.3 W	1626	203	8.0
1986	Mar	56.15 N	178.3 W	159	28	5.7
1986	Mar	56.45 N	178.3 W	549	131	4.2
1986	Mar	56.45 N	179.3 W	33	7	5.0
1986	Mar	57.15 N	176.3 E	19	3	6.5
1986	Mar	57.15 N	176.3 W	132	30	4.4
1986	Mar	57.45 N	179.3 W	13	11	1.2
1986	Mar	58.15 N	179.3 W	33	42	0.8
1986	Mar	58.45 N	179.3 E	19	27	0.7
1986	Mar	58.45 N	179.3 W	8	9	0.9
1986	Apr	55.45 N	177.3 E	34	8	4.3
1986	Apr	55.45 N	176.3 W	19	9	2.1
1986	Apr	55.45 N	177.3 W	431	164	2.6
1986	Apr	55.45 N	178.3 W	144	63	2.3
1986	Apr	55.45 N	179.3 W	21	9	2.3
1986	Apr	55.15 N	176.3 E	7	5	1.5
1986	Apr	56.15 N	176.3 W	21	9	2.3
1986	Apr	56.15 N	177.3 W	42	32	1.3
1986	Apr	56.45 N	177.3 E	242	39	6.2
1986	Apr	56.15 N	178.3 W	64	23	2.8
1986	Apr	56.45 N	178.3 E	1382	176	7.9
1986	Apr	56.45 N	178.3 W	3628	556	6.5
1986	Apr	56.15 N	179.3 E	100	6	18.2
1986	Apr	56.45 N	179.3 E	3198	463	6.9
1986	Apr	56.45 N	179.3 W	3343	547	6.1
1986	Apr	57.15 N	175.3 E	276	45	6.2
1986	Apr	57.45 N	175.3 E	1529	248	6.2
1986	Apr	57.15 N	176.3 E	404	56	7.2
1986	Apr	57.15 N	176.3 W	4	13	0.3
1986	Apr	57.45 N	176.3 E	2736	493	5.5
1986	Apr	57.15 N	177.3 E	1509	210	7.2
1986	Apr	57.15 N	177.3 W	142	36	4.0
1986	Apr	57.45 N	177.3 E	4150	851	4.9
1986	Apr	57.45 N	177.3 W	4	7	0.6
1986	Apr	57.15 N	178.3 E	2165	303	7.1
1986	Apr	57.15 N	178.3 W	843	151	5.6
1986	Apr	57.45 N	178.3 E	1479	204	7.3
1986	Apr	57.45 N	178.3 W	146	72	2.0
1986	Apr	57.15 N	179.3 E	1906	341	5.6
1986	Apr	57.15 N	179.3 W	330	51	6.4
1986	Apr	57.45 N	179.3 E	68	36	1.9
1986	Apr	57.45 N	179.3 W	54	34	1.6
1986	Apr	58.15 N	176.3 E	269	49	5.5
1986	Apr	58.15 N	177.3 E	1611	322	5.0
1986	Apr	58.45 N	177.3 E	177	35	5.0
1986	Apr	58.15 N	178.3 E	441	96	4.6

Table 12. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Apr	58.15 N	178.3 W	20	16	1.2
1986	Apr	58.45 N	178.3 E	198	30	6.6
1986	Apr	58.15 N	179.3 E	7	4	1.8
1986	Apr	58.15 N	179.3 W	8	9	0.9
1986	Apr	58.45 N	179.3 E	9	9	1.1
1986	May	56.45 N	174.3 E	79	22	3.7
1986	May	56.15 N	178.3 W	10	15	0.7
1986	May	57.15 N	176.3 E	10	11	0.9
1986	May	57.45 N	176.3 E	1721	240	7.2
1986	May	57.15 N	177.3 E	17	8	2.1
1986	May	57.45 N	177.3 E	125	32	3.9
1986	May	57.45 N	177.3 W	9	13	0.7
1986	May	57.45 N	178.3 E	60	7	8.6
1986	May	57.45 N	178.3 W	17	38	0.5
1986	May	57.15 N	179.3 W	1	13	0.1
1986	May	57.45 N	179.3 E	6	6	1.0
1986	May	57.45 N	179.3 W	5	30	0.2
1986	May	58.15 N	176.3 W	3972	571	7.0
1986	May	58.15 N	177.3 E	6869	1045	6.6
1986	May	58.45 N	177.3 E	490	107	4.6
1986	May	58.15 N	178.3 E	343	104	3.3
1986	May	58.45 N	178.3 E	257	48	5.4
1986	May	58.15 N	179.3 E	183	160	1.1
1986	May	58.45 N	179.3 E	30	9	3.5
1986	Aug	55.15 N	178.3 E	5	2	2.5
1986	Aug	55.15 N	178.3 W	33	8	4.1
1986	Aug	55.45 N	177.3 W	54	42	1.3
1986	Aug	55.45 N	178.3 W	271	100	2.7
1986	Aug	55.45 N	179.3 E	18	2	9.0
1986	Aug	56.15 N	177.3 E	26	21	1.2
1986	Aug	56.15 N	177.3 W	7	8	0.9
1986	Aug	56.45 N	177.3 E	12	5	2.4
1986	Aug	57.15 N	177.3 E	8	5	1.6
1986	Aug	57.45 N	177.3 E	8	10	0.8
1986	Aug	57.15 N	178.3 E	4	3	1.3
1986	Sep	55.45 N	177.3 E	23	27	0.9
1986	Sep	55.15 N	177.3 W	6	6	1.0
1986	Sep	55.45 N	176.3 W	13	19	0.7
1986	Sep	55.45 N	177.3 W	81	56	1.5
1986	Sep	55.45 N	178.3 E	5	8	0.6
1986	Sep	55.45 N	178.3 W	7	5	1.4
1986	Sep	55.45 N	179.3 E	18	25	0.7
1986	Sep	55.45 N	179.3 W	6	9	0.7
1986	Sep	56.45 N	174.3 E	250	13	19.5
1986	Sep	56.15 N	175.3 E	428	76	5.6
1986	Sep	56.45 N	175.3 E	124	33	3.7
1986	Sep	56.15 N	176.3 E	123	62	2.0
1986	Sep	56.45 N	176.3 E	135	89	1.5
1986	Sep	56.15 N	177.3 E	302	132	2.3
1986	Sep	56.15 N	177.3 W	17	17	1.0
1986	Sep	56.45 N	177.3 E	116	62	1.9
1986	Sep	56.15 N	178.3 E	156	41	3.8
1986	Sep	56.45 N	178.3 E	4	7	0.5
1986	Sep	56.15 N	179.3 W	135	50	2.7
1986	Sep	56.45 N	179.3 E	2	4	0.6
1986	Sep	56.45 N	179.3 W	33	19	1.7
1986	Sep	57.15 N	175.3 E	3	10	0.3
1986	Sep	57.45 N	175.3 E	2	5	0.4

Table 12. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Sep	57.15 N	176.3 E	130	105	1.2
1986	Sep	57.45 N	176.3 E	25	27	0.9
1986	Sep	57.15 N	177.3 E	33	42	0.8
1986	Sep	57.45 N	177.3 E	46	40	1.2
1986	Sep	57.15 N	178.3 E	24	30	0.8
1986	Sep	57.15 N	178.3 W	81	22	3.7
1986	Sep	57.45 N	178.3 E	142	125	1.1
1986	Sep	57.45 N	178.3 W	780	294	2.7
1986	Sep	57.15 N	179.3 E	41	45	0.9
1986	Sep	57.15 N	179.3 W	14	11	1.3
1986	Sep	57.45 N	179.3 E	52	55	0.9
1986	Sep	58.15 N	176.3 E	114	49	2.3
1986	Sep	58.15 N	177.3 E	332	119	2.8
1986	Sep	58.15 N	178.3 E	50	45	1.1
1986	Sep	58.45 N	178.3 E	4	10	0.4
1986	Sep	58.15 N	179.3 E	14	29	0.5
1986	Sep	58.15 N	179.3 W	8	21	0.4
1986	Sep	58.45 N	179.3 E	10	18	0.6
1986	Oct	55.45 N	176.3 E	9	6	1.5
1986	Oct	55.45 N	177.3 E	64	49	1.3
1986	Oct	55.15 N	178.3 W	24	11	2.1
1986	Oct	55.15 N	179.3 W	2	7	0.3
1986	Oct	55.45 N	176.3 W	98	41	2.4
1986	Oct	55.45 N	177.3 W	63	78	0.8
1986	Oct	55.45 N	178.3 E	140	75	1.9
1986	Oct	55.45 N	178.3 W	145	90	1.6
1986	Oct	55.45 N	179.3 E	226	148	1.5
1986	Oct	55.45 N	179.3 W	203	136	1.5
1986	Oct	56.45 N	173.3 E	2	11	0.2
1986	Oct	56.15 N	174.3 E	25	33	0.8
1986	Oct	56.45 N	174.3 E	530	190	2.8
1986	Oct	56.15 N	175.3 E	266	129	2.1
1986	Oct	56.45 N	175.3 E	512	190	2.7
1986	Oct	56.15 N	176.3 E	131	110	1.2
1986	Oct	56.45 N	176.3 E	333	155	2.2
1986	Oct	56.15 N	177.3 E	50	38	1.3
1986	Oct	56.15 N	177.3 W	187	46	4.0
1986	Oct	56.45 N	177.3 E	68	36	1.9
1986	Oct	56.45 N	177.3 W	55	20	2.8
1986	Oct	56.15 N	178.3 E	18	18	1.0
1986	Oct	56.15 N	178.3 W	504	192	2.6
1986	Oct	56.45 N	178.3 E	96	82	1.2
1986	Oct	56.45 N	178.3 W	144	92	1.6
1986	Oct	56.15 N	179.3 E	17	9	2.0
1986	Oct	56.15 N	179.3 W	62	29	2.2
1986	Oct	56.45 N	179.3 W	14	20	0.7
1986	Oct	57.15 N	174.3 E	6	9	0.7
1986	Oct	57.15 N	175.3 E	42	37	1.1
1986	Oct	57.45 N	175.3 E	16	12	1.3
1986	Oct	57.15 N	176.3 E	91	66	1.4
1986	Oct	57.45 N	176.3 E	45	39	1.2
1986	Oct	57.15 N	177.3 E	42	31	1.4
1986	Oct	57.15 N	177.3 W	40	14	3.0
1986	Oct	57.45 N	177.3 E	154	64	2.4
1986	Oct	57.45 N	177.3 W	3	7	0.4
1986	Oct	57.15 N	178.3 E	4	3	1.3
1986	Oct	57.15 N	178.3 W	212	55	3.9
1986	Oct	57.45 N	178.3 E	84	51	1.7

Table 12. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Oct	57.45 N	178.3 W	13	21	0.6
1986	Oct	57.15 N	179.3 W	7	16	0.4
1986	Oct	57.45 N	179.3 E	206	88	2.3
1986	Oct	57.45 N	179.3 W	49	67	0.7
1986	Oct	58.15 N	176.3 E	4	12	0.3
1986	Oct	58.15 N	177.3 E	172	73	2.4
1986	Oct	58.15 N	171.3	243	91	2.7
1986	Oct	58.15 N	178.3 E	25	23	1.1
1986	Oct	58.15 N	178.3 W	12	15	0.8
1986	Oct	58.15 N	179.3 E	60	49	1.2
1986	Oct	58.15 N	179.3 W	15	32	0.5
1986	Oct	58.45 N	179.3 W	11	20	0.6
1986	Nov	55.45 N	176.3 E	30	9	3.2
1986	Nov	55.15 N	178.3 W	61	20	3.1
1986	Nov	55.45 N	176.3 W	270	100	2.7
1986	Nov	55.45 N	177.3 W	75	36	2.1
1986	Nov	55.45 N	178.3 W	195	110	1.8
1986	Nov	55.45 N	179.3 W	44	11	4.0
1986	Nov	56.15 N	173.3 E	274	46	6.0
1986	Nov	56.45 N	173.3 E	898	130	6.9
1986	Nov	56.15 N	174.3 E	1471	245	6.0
1986	Nov	56.45 N	174.3 E	1550	268	5.8
1986	Nov	56.15 N	175.3 E	6918	800	8.6
1986	Nov	56.45 N	175.3 E	2276	312	7.3
1986	Nov	56.15 N	176.3 E	869	167	5.2
1986	Nov	56.15 N	176.3 W	109	40	2.8
1986	Nov	56.45 N	176.3 E	393	85	4.6
1986	Nov	56.45 N	176.3 W	30	12	2.6
1986	Nov	56.15 N	177.3 E	35	9	3.9
1986	Nov	56.15 N	177.3 W	37	16	2.3
1986	Nov	56.45 N	177.3 W	3	3	1.0
1986	Nov	56.45 N	178.3 E	26	6	4.3
1986	Nov	56.45 N	179.3 W	24	5	4.8
1986	Nov	57.15 N	174.3 E	35	13	2.7
1986	Nov	57.15 N	175.3 E	157	43	3.7
1986	Nov	57.45 N	175.3 E	181	82	2.2
1986	Nov	57.15 N	176.3 E	217	65	3.4
1986	Nov	57.45 N	176.3 E	389	130	3.0
1986	Nov	57.15 N	177.3 E	29	12	2.5
1986	Nov	57.45 N	177.3 E	45	33	1.4
1986	Nov	57.15 N	178.3 E	9	6	1.6
1986	Nov	57.45 N	178.3 E	61	30	2.0
1986	Nov	57.45 N	178.3 W	8	10	0.8
1986	Nov	57.45 N	179.3 W	8	11	0.7
1986	Nov	58.15 N	176.3 E	42	11	3.8
1986	Nov	58.15 N	177.3 E	21	10	2.2
1986	Nov	58.15 N	178.3 E	28	15	1.9
1986	Nov	58.15 N	178.3 W	3	2	1.5
1986	Nov	58.45 N	178.3 E	35	11	3.2
1986	Dec	55.45 N	176.3 E	3323	320	10.4
1986	Dec	55.45 N	177.3 E	3275	333	9.8
1986	Dec	55.15 N	178.3 E	60	15	4.0
1986	Dec	55.45 N	178.3 E	176	12	14.4
1986	Dec	56.45 N	173.3 E	130	7	18.6
1986	Dec	56.15 N	174.3 E	5269	433	12.2
1986	Dec	56.45 N	174.3 E	2097	198	10.6
1986	Dec	56.15 N	175.3 E	6059	553	11.0
1986	Dec	56.45 N	175.3 E	663	89	7.5

Table 12. Continued.

Year	Month	Latitude	Longitude	Catch	Effort	CPUE
1986	Dec	56.15 N	176.3 E	10466	749	14.0
1986	Dec	56.15 N	176.3 W	6	6	1.0
1986	Dec	56.45 N	176.3 E	950	88	10.8
1986	Dec	56.15 N	177.3 E	1257	134	9.4
1986	Dec	56.15 N	177.3 W	12	13	0.9
1986	Dec	56.45 N	177.3 E	194	47	4.1
1986	Dec	56.15 N	178.3 E	685	88	7.7
1986	Dec	56.45 N	178.3 E	280	27	10.6
1986	Dec	56.15 N	179.3 E	178	19	9.6
1986	Dec	56.15 N	179.3 W	6	7	0.9