FISH COMMISSION OF OREGON DATA REPORT SERIES

OREGON ALBACORE TUNA FISHERY STATISTICS, 1968-72

LARRY H. HREHA

REPORT NUMBER 5
DECEMBER 1974

DATA REPORT SERIES

This series has been established for the purpose of distributing large amounts of tabular and graphic reference material. The information may consist of various forms of catch statistics, measurements of environmental conditions, and biological data on various fishes. Prior to 1969, this type of information was included in the Investigational Reports of the Fish Commission.

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Fish Commission of Oregon Division of Management and Research Clackamas, Oregon

December 1974

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INTRODUCTION

This report is a compilation of catch and fishing effort and length-frequency data for Oregon albacore (Thunnus alalunga) landings for 1968 through 1972 and is a continuation of previously published information (Ayers and Meehan, 1963; Meehan and Hreha, 1969). The collection and compilation of these data were carried out as part of the state management and research program on marine fisheries. The National Sea Grant Program through the Pacific Marine Fisheries Commission contributed partial funding for field sampling in 1972 (Sea Grant Number 04-3-158-35).

METHODS

Catch locality and fishing effort were obtained by interviewing albacore fishermen, usually during the unloading operations, or by copying boat logbooks. This information was applied to the total landings by port and area and converted from month of landing to month of catch by computer, in the manner described by Meehan and Hreha (1969). Samples of the landings were also measured to determine the size composition of the catch.

The statistical areas used in this report are the ones used by Ayers and Meehan, 1963, and Meehan and Hreha, 1969. They are modifications of areas used by the Inter-American Tropical Tuna Commission (Schaefer 1953) and California Department of Fish and Game (Clemens 1955).

DISCUSSION

Data Compilation

Table 1 shows the sampling intensity for the years 1968-72. The total pounds of albacore caught that were assigned to one-degree blocks, pounds caught for which interviews were obtained, and the percentage of the total

catch for which interviews were obtained are shown for each month. Table 2 lists the annual Oregon albacore landings by month and port as compiled from the Fish Commission of Oregon poundage records. All of the figures and tables in this report, except Table 2, are based on month of catch rather than month of landing. Table 3 shows the percentage of the total catch that was assigned to one-degree blocks. In Tables 4 through 8 are listed the calculated catch of albacore by one-degree blocks, by month of catch, port of landings, and method of fishing for the years 1968-72. Tables 9 through 39 list the length-frequency data collected by month and by port for the years 1968-72 and on the 1968 pre-season cruise. Table 40 lists the length-frequency distribution in percentage by month and year, grouping all areas and ports.

Figures 1 through 18 show catch distribution by area based on Tables 4 through 8 and include only assignable poundages. Figures 19 through 23 show length-frequency distributions based on the data from Table 40.

Seasonal Summaries

The albacore fishery off the Oregon coast starts about mid-July and continues until early October when weather usually ends the season. During some years, good catches are made in October but usually fish landed in Oregon in October and November are caught off California.

Landings during the period of this report ranged from the record high of 37,751,816 lbs to a low of 8,419,585 lbs and averaged 24,167,306 lbs.

1968 - In 1968 the albacore landings in Oregon set a record of 37,751,816 lbs. July and August landings established records for those months. The best fishing in July was between Coos Bay and Cascade Head from 80 to 120 miles offshore. During August the center of fishing success

moved northward and was located from Grays Harbor to southern Vancouver Island by the end of the month. In September the jig boat success dropped and the bait boat catches increased from 300 to 400 fish/day to 1,500 fish/day. By mid-September the jig boat effort was concentrated off the mouth of the Columbia River and off northern Washington about 60 to 120 miles offshore. The bait boats were concentrated from Tillamook Head to Grays Harbor within 50 miles of shore. By the end of September, the jig boats were reporting only spotty catches and by October 10 bait boat fishing was spotty and most jig boats had quit for the season. Storms ended the season in northwest waters by mid-October.

1969 - The 29,827,549 lbs landed in Oregon in 1969 was the second highest landing since the fishery began in 1936. The season got underway about mid-July when the first commercial size catches were made 100 to 140 miles off Coos Bay. The center of fishing moved northward and was located off Destruction Island, Washington, by the end of the month. Fishing was spotty early in August with the fleet scattered from Coos Bay to Vancouver Island, Canada. About mid-August concentrations of fish were found 60 to 100 miles off Newport and 80 to 140 miles off northern Washington and southern Vancouver Island. August landings of 18.2 million pounds were the highest for a single month in the history of the Oregon fishery. Weather deteriorated during September and much of the jig boat fleet moved south to California or quit for the season. However, bait boats were quite successful for about 2 weeks when catches of up to 2,000 fish/day were reported 25 to 60 miles offshore between Astoria and Newport. Fishing off Oregon and Washington ceased by mid-October.

1970 - Because of a price dispute, the albacore fleet did not fish until July 15 when agreement was reached. Catches of up to 300 fish/boat

were reported on July 16 off northern California and southern Oregon. The fleet moved rapidly northward with the fish and during the last week of the month the fishery was operating 60 to 100 miles off the mouth of the Columbia River. Daily catches averaged 400 to 800 fish/day with some boats reporting up to 1,200 fish/day. On July 30 the jig fishery collapsed, with catches dropping to less than 50 fish/day, and did not significantly recover off Oregon in August or September. July landings reached 7.6 million pounds.

After large scale scouting in the first half of August failed to locate any concentrations of fish from southern Oregon to Vancouver Island, many boats moved to northern and central California where good fishing was reported. Jig boats that remained in the Pacific Northwest had fair but spotty fishing through September averaging 100 to 150 fish/day when they could find fish. Bait boats had good to excellent fishing close inshore near the Columbia River during the last 10 days of September and into October with catches of up to 20 tons/boat per day but with an average of 3 to 5 tons/boat per day. Fishing terminated about mid-October when heavy weather set in. The season landings of 21,781,574 lbs were over 3 million pounds above the 10-year average for Oregon.

1971 - By the 2nd week of July, jig boats were fishing from Newport to Cape Flattery with the best fishing off the Columbia River. During the 1st week of August, fishing success declined in the area and most of the boats moved south to California waters. The few boats that remained in the Pacific Northwest in late August operated as far north as Queen Charlotte Sound where good catches were made when weather permitted. Catches of 400 fish/day were common with some boats reporting as high as 800 fish/day. By early September very few boats remained off the Pacific Northwest. During

the last week of September, some albacore were caught off Newport and Destruction Island by boats returning from California where most of the landings this year were made. Oregon landings for the season totaled 8,419,585 lbs which was the poorest season since 1964.

1972 - In 1972 the first commercial catches off Oregon were made during the 2nd week of July, 100 to 150 miles west of Coos Bay. Early catches ran up to 300 fish/day. The fishery moved northward and by mid-July the best fishing was between Newport and Astoria, with some albacore being caught as far north as Cape Scott, British Columbia. During the last half of July, good fishing was reported from Coos Bay to Cape Flattery with the best success around the Columbia River "dumping grounds," 60 to 100 miles offshore from Grays Harbor. Fishing was spotty during the first half of August with Cape St. James being the most consistent area. During the last half of August, fishing success dropped off Oregon and Washington and most of the fleet moved up to the Queen Charlotte Sound area where catches averaged around 200 fish/day. Bait boats reported good catches off northern Washington by early September. Catches remained good off British Columbia and northern Washington until about September 20 when rough weather set in for several days. Most northern boats quit for the season and California boats headed south by the end of September. The season ended off Oregon by mid-October. Total season landings were 23,056,004 lbs, some 3.5 million pounds above the 10-year average.

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- Meehan, James M., and Larry H. Hreha. 1969. Oregon albacore tuna fishery statistics, 1961-67. Fish Comm. of Oreg., Data Rept. No. 1, 143 pp.
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Table 1. Sampling Intensity for the Oregon Albacore Fishery, 1968-72

Assigned	Total Catch	Pounds	Percentage
Month	(Pounds)	Sampled Sampled	Catch Sampled
1968			
July	10,333,680	3,114,538	30.1
August	15,766,619	5,753,178	36.5
September	8,124,757	2,588,754	31.9
October	325,037	71,993	22.1
october	323,037	71,993	22.1
Total	34,550,093	11,528,463	33.4
1969			
July	6,749,072	2,886,646	42.8
August	16,654,137	5,746,060	34.5
September	4,412,350	1,030,971	23.4
October	692,607	8,308	12.0
	052,007	0,000	
Tota1	28,508,166	9,671,985	33.9
1970			
July	10,974,688	3,245,609	29.6
August	5, 5 19,815	1,010,135	18.3
September	3,637,990	424,422	11.7
October	134,770	8,426	6.3
,			The state of the s
Total	20,267,263	4,688,592	23.1
1971			
July	4,745,502	875,776	18.5
August	2,210,486	370,258	16.8
Total	6,955,988	1,246,034	17.9
1972			
July	7,161,287	1,882,826	26.3
August	12,175,715	3,361,650	27.6
September	2,646,949	768,781	29.0
October	3,293	1,115	33.9
0000001	3,200	1,113	3313
Total	21,987,244	6,014,372	27.3

Table 2. Oregon Albacore Landings by Year, Month, and Port, 1968-72

				968			
Port	Ju1y	August	Sept.	Oct.	Nov.	Dec.	Tota1
Astoria Pounds Landings	3,430,242 162	15,012,113 951	7,696,916 454	2,953,492 142	12,487	697 2	29,105,947 1,713
Tillamook Pounds Landings	14,388 5	7 , 105	7,323 13	0	. 0	0	28,816 27
Pacific City Pounds Landings	. 0	406 3	9,593 47	0	Ö	0	9,999 50
Depoe Bay Pounds Landings	0	10,673 12	6,392 12	0	0	0	17,065 24
Newport Pounds Landings	1,396,365	790,360 202	648,032 272	0	0	0	2,834,757 659
Florence Pounds Landings	0	0	450 1	0	0	0	450 1
Winchester Ba Pounds Landings	y 617,797 49	200,127	0	0	0	,0	817,924 70
Coos Bay Pounds Landings	2,622,574 312	1,987,062 193	200,281 45	32,047 7	1,434 1	0	4,843,398 558
Port Orford Pounds Landings	0	0	8,117 5	0	0	0	8 , 117
Gold Beach Pounds Landings	1,335 1	0	0	0	. 0	0	1,335
Brookings Pounds . Landings	0	10,243	72,449 36	1,316 3	0	0	84,008 50
Total Pounds Landings	8,082,701 714	18,018,089 1,402	8,649,553 885	2,986,855 152	13,921	697	37,751,816 3,158

Table 2. (Continued)

Port 3	June	Ju1y	August	1969 Sept.	Oct.	Nov.	Dec.	Total
						Owner-ordered States and States St		Sandarillo discontinue di antigra
Astoria Pounds Landings		1,501,849 114	13,784,900 766	5,504,369 308	1,164,972 45	151,120 9	50,674 3	22,157,884 1,245
Fillamook Pounds Landings		29,162	183,792 81	41,212 25	5,231 1			259,397 111
Pacific City Pounds Landings	y 		6,855 47	45 1				6,900 48
epoe Bay Pounds Landings		5,647 1	60,705 80	4,764 15		·		71,116 96
ewport Pounds Landings		733,762 95	2,878,363 486	406,140 117	81,627 21			4,099,892 719
inchester I Pounds Landings	Bay 	36,318 5	46,181	380 1				82,879
oos Bay Pounds Landings	494 6	602,649 110	1,095,102 117	756,068 83	217,080 63		15,375	2,686,768 38
andon Pounds Landings	- '-				127 1			12
ort Orford Pounds Landings			12,667			·		12,66
old Beach Pounds Landings				2,056 5	 	·		2,050
rookings Pounds Landings		3,728 4	196,651 74	191,014 71	56 , 470			447,865 15
otal Pounds Landings	494 6	2,913,115 333	18,265,216 1,661	6,906,048 626	1,525,507 139	151,120 9	66,049 5	29,827,549 2,779

Table 2. (Continued)

			1970				
Port	July	August	Sept.	Oct.	Nov.	Dec.	Total
Astoria Pounds Landings	6,409,642	5,519,143 345	5,608,594 123	899 , 762 53	296,051 19	15,821	18,749,013 845
Pacific City Pounds Landings	3,913 11	106,672 229	0	0	0	0	110,585 240
Tillamook Pounds Landings	106,477	193,666	0	0	0	0	300,143 88
Depoe Bay Pounds Landings	23,108 9	16,550 19	0	0	0	0	39,658 28
Newport Pounds Landings	902,604 77	1,213,412 214	6,808	7 , 788	206 1	0	2,130,818 304
Florence Pounds Landings	7,452 1	0	0	0	0	0	7,452 1
Winchester Bay Pounds Landings	11,388 4	21,396 4	3,058 4	7,525 1	0	0	43,367 13
Coos Bay Pounds Landings	125,189 11	89,689	102,111	46 , 500 7	0	0	363,489 64
Brookings Pounds Landings	0	8,544 4	28,505	0	0	0	37 , 049
Total Pounds Landings	7,589,773 450	7,169,072 909.	5,749,076 144	961 , 575 65	296,257 20		21,781,574 1,589
			1971				
Astoria					gall företamma av mag viv dir til före gall-timd och stöller före sa		
Jig Pounds Landings Bait	1,897,161 246	3,533,397 349	126,980 25	466,511 42	29,255 5		6,053,304 667
Pounds Landings	0	541,801 11	0	26,252 3	0		568,053 14

Table 2. (Continued)

			1971			
Port	Ju1y	August	Sept.	Oct.	Nov.	Total
Total				•	•	
Pounds	1,897,161	4,075,198	126,980	492,763	29,255	6,621,357
Landings	246	360	25	452,705	25 , 255	681
Banaings	240	300	23	43	3	001
Tillamook						
Pounds	90,764	17,997	9,456	0	0	118,217
Landings	60	25	2			87
					,	
Pacific City			2		_	
Pounds	6,720	1,204	0	0	0	7,924
Landings	39	18				57
Dames Pay						•
Depoe Bay Pounds	17,448	11,925	0	178	0	20 551
Landings	17,448	11,923	U	1/8	U	29,551
Landings	10	12		1		31
Newport						•
Pounds	634,734	348,893	14,635	0	0	998,262
Landings	185	124	15		_	324
Florence		•				
Pounds	10,505	1,498	0	0	0	12,003
Landings	2	1				3
Winchaston Par		•			•	
Winchester Bay Pounds	10,817	2,714	0	253	. 0	13,766
Landings	3	2,714	U	233	. 0	13,700
Bandings	3	2	•	1		
Coos Bay		·	•			
Pounds	117,631	209,876	10,014	30,808	8,548	376,877
Landings	36	60	6	11	7	120
Bandon						
Pounds	71	589	0	. 0	0	660
Landings	2	1				3
Port Orford		,				
Pounds	0	0	11	0	0	. 11
Landings		0.	1	U	U	1
Banaings			1			
Gold Beach			**			
Pounds	798	155	0	0	0	953
Landings	1	1				2
Brookings						
Pounds	12,496	216,873	4,229	6,406	0	240,004
Landings	2	97	7	4		110
Totol						
Total Pounds	2,799,145	4,886,922	165 725	E70 700	77 007	0 /10 505
Landings	2,799,145 594	4,886,922 701	165,325 56	530,390 62	37,803 12	8,419,585
nanarngs	. 334	/ 01	30	OΖ	1 2	1,425

Table 2. (Continued)

			1972			
Port	July	August	Sept.	Oct.	Nov.	Total
	e v					
Astoria						
Pounds	3,548,181	9,113,461	3,428,696	90,598	18,528	16,199,464
Landings	284	525	114	9	1	933
Tillamook						
Pounds	79,696	109,759	150	0	. 0	189,605
Landings	30	57	1	J	Ŭ	88
Pacific City						
Pounds	0	3,305	0	0	0	3,305
	. 0		·	U	U	
Landings		21				21
Depoe Bay						
Pounds	14,331	71,582	19,881	. 0	0	105,794
Landings	. 7	54	13			74
Newport						
Pounds	845,238	2,186,064	527,696	13,766	0	3,572,764
Landings	179	459	128	5		771
Florence						
Pounds	15,346	36,748	21,850	0	0	73,944
Landings	3	8	4	. •	Ů	15
Winchester Bay						
Pounds	33,631	155,413	106,031	314	0	295,389
Landings	55,051	29	23	1		293,389 58
Landings	3	23	23	1		. 30
Coos Bay	1.		g=1 =g0	1		0 500 605
Pounds	261,710	1,895,840	351,538	17,537	1,978	2,528,603
Landings	66	408	101	6	. 2	583
Bandon						
Pounds	0	16,402	. 0	0	0	16,402
Landings		16				16
Gold Beach						
Pounds	0	0	530	0	0	530
Landings			1	,		1
Brookings						
Pounds	17,511	44,944	7,483	266	0	70,204
Landings	9	8	9	1	O	27
Tota1						,
Pounds	4,815,644	13,633,518	4,463,855	122,481	20,506	23,056,004
Landings			394	22,481		
panarngs	583	1,585	394	22	3	2,587

Table 3. Percentage of the Total Oregon Albacore Landings Assigned to One-Degree Block, 1968-72

Year	Percentage Assigned
1968	91.5
1969	95.6
1970	93.1
1971	82.6
1972	95.4

Table 4. Calculated Catch of Albacore by One-Degree Block, Month of Catch, Port of Landing, and Method of Fishing, Prorated from Logbook and Interview Data for 1968

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
<u>Catch</u>	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed	at Asto	ria					
					Ji	g Boats						
48-127				336	3,750	3						
				(124)	(1,386)							
48-126				1,994	28,364	24						
				(82)	(1,165)							
47-128				766	10,571	3						
				(283)	(3,906)							
47-127				62,231	754,603	377						
				(165)	(2,000)							
47-126	820	11,545	8	184,011	2,365,567	1,047	64,881	897,120	461	,		
	(101)	(1,422)		(176)	(2,259)		(141)	(1,948)				
47-125	1,267	16,576	12	5,933	72,754	54	1,620	22,907	25			
	(106)	(1,385)		(110)	(1,351)		(64)	(911)				
47-124				19	301	3	431	6,933	.10			
				(7)	(111)		(42)	(672)				
46-127				9,544	119,095	43						
				(224)	(2,791)							
46-126	18,326	239,097	124	216,137	2,812,250	1,101	22,897	340,304	215	3,517	49,364	32
	(148)	(1,935)		(196)	(2,553)		(107)	(1,584)		(111)	(1,562)	
46-125	46,366	625,791	355	110,060	1,491,570	886	33,821	495,346	424	3,616	50,357	36
	(131)	(1,765)		(124)	(1,684)		(80)	(1,167)		(100)	(1,394)	

Table 4. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	_	Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
<u>Catch</u>	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	а					
						Boats						
					<u></u>							
46-124	671	9,566	11	8,088	110,702	108	6,276	89,067	124			
	(62)	(884)		(75)	(1,026)		(50)	(715)				
45 100		-		711	7 000	7						
45-128				311	3,890	3						
	•			(115)	(1,438)							
45-127	531	6,923	2	17,711	224,987	104						
	(243)	(3,167)	_	(170)			•					
45-126	38,940	517,376	203		1,561,628	631	1,984	29,031	21			
	(192)	(2,595)		(197)	(2,474)		(96)	(1,407)				
45-125	27,256	359,327	182	25,526	339,801	194	19,667	282,883	212			
43-123	(150)	(1,976)	104	(131)	(1,747)	154	(93)	(1,337)	212			•
	(130)	(1,570)		(131)	(1,747)		(55)	(1,557)				
45-124	0	0	3	1,901	26,235	19	2,990	44,027	48			
	(0)	(0)		(102)	(1,413)		(63)	(922)				
						_						
44-128				16	207	3						
				(6)	(76)	•					-	
44-127	2,193	31,593	13	7,168	86,361	30						
Im/	(169)	(2,428)		(241)		•						
					. ()							
44-126	107,703	1,355,754	408	33,602	416,338	219			=			
	(264)	(3,322)		(153)	(1,900)							
			·	<u> </u>								
44-125	15,180	193,245	76	3,012	39,727	38	1,045	16,980	21			₩
	(199)	(2,529)		(80)	(1,049)		(51)	(823)				15.
44-124				306	4,099	3.	57	996	3			
44-124				(113)	-	3.		* *	. 3			
				(113)	(1,313)		(22)	(386)				

Table 4. Continued

	July			August		S	eptember			October	
Numbers	Pounds		Numbers			Numbers	Pounds		Numbers	Pounds	
of Fish		Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
				Landed a	t Astori	a					
90 (14)	1,154 (176)	7									
3,412 (233)	44,825 (3,054)	15	8,286 (191)	100,151 (2,313)	43						
110,227 (260)	1,424,739 (3,360)	424	11,552 (138)	141,492 (1,687)	84						
21,797 (244)	287,196 (3,216)	89	3,009 (102)	34,942 (1,179)	30	157 (61)	2,524 (978)	3			
22 (5)	282 (64)	4									
			1,307 (122)	16,269 (1,521)	11						
2,505 (219)	34,248 (2,991)	11	3,021 (142)	38,247 (1,798)	21						
481 (220)	6,288 (2,877)	2				1,192 (92)	18,305 (1,419)	13			
647 (296)	9,294 (4,252)	2	4.			3,194 (103)	46,449 (1,500)	31			
0 (0)	0 (0)	2									
	of Fish (Nos/Day) 90 (14) 3,412 (233) 110,227 (260) 21,797 (244) 22 (5) 2,505 (219) 481 (220) 647 (296) 0	Numbers of Fish (Nos/Day) 90 1,154 (176) 3,412 44,825 (233) (3,054) 110,227 1,424,739 (260) (3,360) 21,797 287,196 (3,216) 22 282 (5) (64) 2,505 34,248 (219) (2,991) 481 6,288 (220) (2,877) 647 9,294 (296) (4,252) 0 (0) (0)	Numbers of Fish of Fish (Nos/Day) Pounds of Fish Days (Lbs/Day) Days (Ibs/Day) 90 1,154 (176) 7 (14) 7 (176) 3,412 44,825 (233) (3,054) 15 (233) 424 (260) 110,227 1,424,739 (260) (3,360) 424 (260) 89 (244) 21,797 287,196 (244) (3,216) 89 (260) 460) 22 282 (5) (64) 4 (64) 4 481 (219) (2,991) 481 (2,991) 481 (2,991) 647 (296) (4,252) 647 (296) (4,252) 2 (2,877) 0 0 (296) (4,252) 0 (200) (200) 0 (200)	Numbers of Fish of Fish (Nos/Day) Pounds of Fish Days (Lbs/Day) Numbers of Fish (Nos/Day) 90 1,154 (14) (176) 7 3,412 44,825 15 8,286 (233) (3,054) 15 8,286 (191) 110,227 1,424,739 424 (15) 424 11,552 (260) (260) (3,360) (138) 21,797 287,196 89 (102) 89 (102) 22 282 4 (5) (64) 4 (21,797 (122) 2,505 (64) 2,505 (64) 3,009 (102) 481 6,288 (219) (2,991) (142) (142) 481 6,288 (220) (2,877) (2,877) 647 9,294 (296) (4,252) 2 0 0 2 (0) (0) 0 2 (0)	Numbers of Fish of Fish (Nos/Day) Pounds of Fish (Nos/Day) Numbers of Fish (Nos/Day) Pounds of Fish (Lbs/Day) 90 1,154 (176) 7 (14) (176) 1.154 (176) 7 (14) (176) 3,412 44,825 (233) (3,054) 15 8,286 (100,151) (2,313) 100,151 (2313) 110,227 1,424,739 424 11,552 (260) (3,360) 1138) (1,687) 21,797 287,196 89 3,009 (244) (3,216) 3,009 (102) (1,179) 22 282 (5) (64) 4 (5) (64) 2,505 34,248 11 3,021 (122) (1,521) 38,247 (142) (1,798) 481 6,288 2 (220) (2,877) 2 (2,877) 647 9,294 2 (296) (4,252) 2 (296) (4,252) 0 0 2 (0) (0) 0 2 (0)	Numbers of Fish (Nos/Day) Pounds of Fish (Nos/Day) Numbers of Fish (Nos/Day) Pounds of Fish Days (Lbs/Day) Landed at Astori Jis (Lbs/Day) <th< td=""><td>Numbers of Fish of Fish of Fish (Nos/Day) Pounds of Fish of Fish of Fish (Nos/Day) Numbers of Fish of Fish of Fish (Nos/Day) Pounds of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish</td><td> Numbers of Fish of Fish Days of Fish Of Fish</td><td> Numbers of Fish (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/</td><td> Numbers of Fish of Fish of Fish Days of Fish Of Fish</td><td> Numbers Pounds of Fish Days Of Fish Days of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Days </td></th<>	Numbers of Fish of Fish of Fish (Nos/Day) Pounds of Fish of Fish of Fish (Nos/Day) Numbers of Fish of Fish of Fish (Nos/Day) Pounds of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish Days of Fish Days of Fish Days of Fish (Nos/Day) Numbers of Fish Days of Fish	Numbers of Fish of Fish Days of Fish	Numbers of Fish (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/	Numbers of Fish of Fish of Fish Days of Fish	Numbers Pounds of Fish Days Of Fish Days of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish Of Fish Of Fish Days

Table 4. Continued

		July		-	August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
			,		Landed a	t Astori	a					
						Boats	<u> </u>					
30-117	81	1,137	3									
	(30)	(420)										
Subtotal	398,515	5,175,956	1,956	840,341	10,803,901	5,082	160,212	2,292,869	1,611	7,133	99,721	68
					Landed a	t Astori	а					
					Bait		<u>-</u>					
48-126				75,429	1 256 957	232	4,546	75,070	10			
40-120				(325)	1,256,853 (5,420)	232	(441)	(7,274)	10			
							()	(, , = , , ,				
47-128				1,578	22,563	8						
				(194)	(2,779)							
47-127				1,598	17,698	13						
				(120)								
47-126		•		62,745	974,650	230	10,691	176,646	32			
47-120				(273)		230	(338)	(5,589)				
47-125				3,988 (168)	61,213	24	56,040 (432)	884,635	130			
				(100)	(2,580)		(432)	(6,824)				
47-124							44,139	738,906	99			
							(444)	(7,439)	models: A			
46-128							6,095	111,483	14			
							. (450)	(8,231)				
46 105				0.150			1 7/-		•			17
46-127				8,130 (220)	115,991	37	1,345 (149)	24,609 (2,725)	9			•
				(220)	(3,145)		(149)	(2,/23)				

Table 4. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at		<u>a</u>					
					<u>Bait</u>	Boats						
46-126	13,056	162,177	46	41,731	535,773	183	938	17,191	10			
	(284)	(3,526)		(228)	(2,924)		(97)	(1,777)				
46-125	16,042	218,724	79	20,814	285,729	123	50,151	913,723	162	4,515	63,387	9
	(203)	(2,765)		(169)	(2,321)		(310)	(5,644)		(500)	(7,020)	
46-124	549	7,670	4	3,729	63,171	44	33,850	605,207	139	0	0	5
	(125)	(1,754)		(85)	(1,432)		(243)	(4,344)		(0)	(0)	
45-127	1,675	23,268	12	2,514	34,133	16						
	(140)	(1,944)		(155)	(2,102)							
45-126	6,041	84,311	17	10,662	142,344	56	1,396	20,964	5			
	(348)	(4,851)		(189)	(2,527)		(270)	(4,063)				
45-125	6,585	89,922	27	19,485	295,209	89	12,451	226,712	39			
	(247)	(3,375)		(218)	(3,308)		(316)	(5,762)				
45-124	398	5,252	3	1,343	19,666	16	15,587	289,751	63	506	10,808	5
	(147)	(1,941)		(85)	(1,240)		(249)	(4,631)		(112)	(2,394)	
44-127				284	3,784	3						
				(105)	(1,398)							
44-126	10,128	134,081	39	3,545	43,523	27	2,670	48,811	5			
	(259)	(3,426)		(131)	(1,608)		(518)	(9,460)				
44-125	1,181	16,614	8	5,329	81,933	18	15,312	299,615	39	2,533	46,897	5
	(155)	(2,187)		(293)	(4,505)		(396)	(7,742)		(561)	(10,387)	_

Table 4. Continued

		July			August			September			October	
Area of Catch	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished									
					Landed a Bait	t Astori				, , , ,		
44-124							39,559 (475)	770,049 (9,255)	83	5,233 (232)	104,224 (4,617)	23
43-127				363 (134)	4,522 (1,671)	3						
43-126	18,223 (264)	250,182 (3,626)	69	3,848 (129)	44,695 (1,502)	30						
43-125	9,616 (299)	129,939 (4,040)	32	311 (59)	4,439 (840)	5	•					
43-124	396 (81)	5,478 (1,120)	5				4,685 (227)	90,382 (4,379)	21		•	
42-127				1,637 (121)	19,533 (1,444)	14						
42-126				1,722 (219)	23,667 (3,009)	8						
41-125			· .	1,138 (115)	21,086 (2,124)	. 10	45 (10)	852 (189)	5			
39-124	14 (5)	177 (65)	. 3	32 (12)	425 (157)	3	s.					
38-124	0 (0)	0 (0)	3									19
Subtotal	83,904	1,127,795	347	271,955	4,072,600	1,192	299,500	5,294,606	865	12,787	225,316	47
Total Astoria	482,419	6,303,751	2,303	1,112,296	14,876,501	6,274	459,712	7,587,475	2,476	19,920	325,037	115

Table 4. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a		<u>t</u>					
					Jig	Boats						
47-126				801 (61)	10,024 (757)	13	1,133 (86)	13,767 (1,039)	13			
46-126				6,066 (250)	76,537 (3,159)	24						
46-125	573 (142)	10,991 (2,722)	4	6,313 (105)	106,579 (1,769)	60	643 (48)	7,961 (601)	13			
46-124				1,844 (39)	27,806 (581)	48	46 (7)	912 (138)	7			
45-126	3,608 (113)	51,275 (1,609)	32	1,801 (112)	24,632 (1,525)	16						
45-125	422 (53)	5,124 (643)	8	10,254 (110)	148,450 (1,598)	93	1,166 (25)	18,950 (409)	46			
45-124	629 (79)	7,638 (959)	8	5,476 (61)	90,576 (1,010)	90	5,789 (35)	105,412 (637)	166			
44-127				10,189 (210)	123,467 (2,548)	48		• •				
44-126	21,497 (208)	291,595 (2,816)	104	5,949 (92)	77,427 (1,198)	65				-		
44-125	9,725 (94)	130,423 (1,260)	104	5,775 (75)	84,385 (1,100)	77	5,577 (77)	93,803 (1,287)	73			

Table 4. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Newpor Boats	<u>t</u>					
44-124				1,418 (36)	23,364 (600)	39	6,140 (28)	121,793 (557)	219			
43-127				2,746 (170)	32,692 (2,024)	16						
43-126	47,527 (271)	596,618 (3,405)	175	1,773 (88)	24,504 (1,214)	20						
43-125	24,859 (184)	313,691 (2,317)	135	1,489 (101)	21,982 (1,495)	15	1,000 (50)	14,986 (754)	20			
43-124	:			370 (35)	5,515 (517)	11	0 (0)	0 (0)	7			
42-126			•	48 (12)	663 (16 4)	4						
42-125							649 (49)	9,771 (738)	13			
42-124							636 (96)	9,643 (1,456)	7			
41-125				775 (58)	11,515 (869)	13	4,339 (94)	63,804 (1,376)	. 46			
41-124							5,392 (81)	76,480 (1,155)	66			21.
Total	108,840	1,407,355	570	63,087	890,118	652	32,510	537,282	696	0	0	0

Table 4. Continued

		July			August			September			October	
Area of Catch	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished									
					Landed a	t Coos B						
					Jig	Boats						
45-126	386 (45)	5,015 (585)	9									
44-126	35,890 (233)	459,083 (2,977)	154									
44-125	9,647 (141)	135,577 (1,978)	69									
44-124	0 (0)	0 (0)	9									
43-127	15,764 (184)	202,888 (2,368)	86									
43-126	128,720 (238)	1,658,910 (3,073)	540									
43-125	16,835 (164)	149,653 (1,456)	103									
42-125	831 (32)	10,732 (418)	26									
40-124	51 (6)	716 (84)	9									
Total	208,124	2,622,574	1,005	0	0	0	0	0	0	0	0	0
Grand Total	799,383	10,333,680	3,878	1,175,383	15,766,619	6,926	492,222	8,124,757	3,172	19,920	325,037	115

Table 5. Calculated Catch of Albacore by One-Degree Block, Month of Catch, Port of Landing, and Method of Fishing, Prorated from Logbook and Interview Data for 1969

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers			Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish		Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day) (Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	Astoria	a					
		•			Jig B		<u> </u>					
50-129				1,001	14,895	5						
				(210)	(3,117)	,						
49-128				55,812	813,635	211	906	12,434	17			
				(265)	(3,861)		(53)	(722)				
49-127				34,473	467,795	143	1,096	14,808	3			
				(241)	(3,271)		(318)	(4,298)				
49-126				898	12,367	2						
				(376)	(5,176)			•				
48-128				6,169	85,194	18						
				(347)	(4,791)							
48-127				188,585	2,527,379	835	-	102,901	69			
				(226)	(3,027)		(112)	(1,493)				
48-126	. 0	. 0	2	36,320	512,809	265		114,773	72			
	(0)	(0)		(137)	(1,935)		(107)	(1,586)				
48-125				1,164	16,125	. 12						
				(97)	(1,350)							
47-128				1,087	13,992	7						
				(152)	(1,952)							23
47-127	4,332	61,072	26	36,537	481,319	235	293	3,766	3			3
	(165)	(2,324)		(155)	(2,046)		(85)	(1,093)				

Table 5. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)		(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	Astori	a					
					Jig B	oats						
47-126	8,159 (125)	110,822 (1,693)	65	83,380 (128)	1,127,328 (1,732)	651	6,143 (81)	86,222 (1,137)	76			
47-125	119 (25)	1,602 (335)	5	30,637 (96)	425,535 (1,338)	318	1,530 (28)	24,563 (446)	55			
46-127	1,931 (101)	26,238 (1,373)	19	1,928 (115)	23,678 (1,416)	17						
46-126	65,434 (141)	894,956 (1,924)	465	32,692 (102)	437,610 (1,362)	321						
46-125	2,330 (63)	31,768 (857)	. 37	33,795 (77)	457,319 (1,047)	437	258 (38)	4,223 (613)	7			
46-124	0 (0)	0 (0)	2	7,179 (44)	106,236 (655)	162	293 (28)	5,376 (520)	10			
45-127	423 (46)	5,451 (588)	9	1,168 (98)	14,420 (1,207)	12						
45-126	55,918 (171)	772,927 (2,368)	326	122,478 (143)	1,621,574 (1,896)	855		•				
45-125	3,929 (85)	52,921 (1,148)	46	23,740 (96)	324,896 (1,307)	248	651 (95)	9,297 (1,349)	7			
45-124				7,043 (62)	103,229 (911)	113	3,301 (64)	59,434 (1,150)	52			
44-128	772 (323)	10,322 (4,320)	2									

Table 5. Continued

		Ju1y			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)		(Nos/Day)	(Lbs/Day)		(Nos/Day)	(Lbs/Day)		(Nos/Day)	(Lbs/Day)	
					Landed at	Astoria						
					Jig B		_					
44-127	48,051 (151)	643,864 (2,022)	318 .	867 (182)	11,254 (2,355)	5						
44-126	101,791 (143)	1,391,336 (1,952)	713	25,513 (123)	339,031 (1,631)	208						
44-125	248 (36)	3,171 (461)	7	3,462 (91)	52,834 (1,382)	38	1,041 (60)	16,588 (963)	17			
44-124	148 (62)	1,982 (830)	2	801 (75)	12,001 (1,131)	.11	1,000 (12)	17,388 (209)	83			
43-127	15,551 (120)	209,938 (1,626)	129	3,940 (150)	50,961 (1,939)	26						
43-126	19,815 (99)	274,356 (1,371)	200	21,272 (207)	268,621 (2,615)	103			a.			
43-125	1,853 (46)	25,897 (646)	40	38 (16)	465 (195)	2				1,751 (21)	30,428 (365)	83
43-124	73 (35)	1,274 (607)	2									
42-128	65 (27)	853 (357)	2									
42-127	248 (23)	3,276 (304)	11									25.
42-126	235 (18)	3,144 (239)	13									

Table 5. Continued

	July			August				September		October		
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	_	Numbers	Pounds	_
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	Astoria						
					Jig B		•					
42-125	244	3,247	5				26,177	454,977	333	38,099	662,179	417
	(51)	(679)					(78)	(1,364)		(91)	(1,589)	
41-128	93	1,232	2									
41-120	(39)	(515)										
41 125	177	2 656	2									
41-125	177 (74)	2,656 (1,112)	2									
											-	
Subtotal	331,939	4,534,305	2,450 76	51,979 10,3	322,502	5,260	58,176	926,750	804	39,850	692,607	500
					Landed at	Astoria						
					Bait B		•					
49-128				777	11,280	2						
				(325)	(4,721)							
49-127				4,976	87,950	12						
43-127				(426)	(7,537)	12						
40 107				7 120	110 710	7.4						
48-127				7,129 (212)	(3,555)	34						
48-126			1		163,124	54	324	4,894	3			
				(193)	(3,017)		(94)	(1,420)				
48-125				79	1,145	2						
				(33)	(479)							

Table 5. Continued

	July			August			September			October		
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	t Astori	.a					
				Bait Boats								
47-126	222	3,291	2	5,122	84,072	33						
	(93)	(1,377)		(154)	(2,534)							
47-125				51,034	770,380	211	369	5,570	3			
				(241)	(3,643)		(107)	(1,617)				
47-124				520	8,730	7						
				(76)	(1,267)							
46-126	8,511	123,774	36	1,030	16,876	7						
	(237)	(3,454)		(144)	(2,354)							
46-125	1,732	26,310	10	3,690	56,948	52						
	(181)	(2,753)		(71)	(1,101)							
46-124	538	8,514	2	13,295	222,744	83	26,206	495,347	59			
	(225)	(3,563)		(160)	(2,685)		(447)	(8,457)				
45-127	1,111	15,321	5									
	(233)	(3,206)								-		
45-126	14,312	206,081	84	1,720	25,014	26						
	(171)	(2,464)		(65)	(952)							
45-125	134	2,022	2	11,519	183,804	55						
	(56)	(846)		(211)	(3,365)							
45-124				32,234	530,804	150	43,258	925,519	83			
				(216)	(3,550)		(523)	(11,192)				27.
44-127	1,465	20,423	12	829	11,561	7						
	(123)	(1,710)		(116)	(1,613)							

Table 5. Continued

	July			August			September			October		
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)		(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a		<u>a</u>					
					Bait	Boats						
44-126	4,231	61,440	26	1,314	18,324	14	158	3,447	3			
11 120	(161)	(2,338)		(92)	(1,278)		(46)	(1,001)				
	(=)						-					
44-125				2,912	55,608	18	25,886	577,915	93			
				(166)	(3,177)		(278)	(6,212)				
44-124				9,325	157,227	40	1,960	36,548	7			
44-124				(231)	(3,902)		(285)	(5,304)	,			
				(===)	(0,000)		(===)	(-,,				
43-126	2,626	39,791	14									
	(183)	(2,776)										
47 105							17 570	726 707	76			
43-125	•						13,530 (179)	326,303 (4,305)	76			
							(1/9)	(4,303)				
42-126				431	7,033	3 .						
12 120				(125)	(2,041)							
				(===)	(-)							
42-125				114	1,857	3					-	
				(33)	(539)							
41 104				1 444	27 574	7						
41-126				1,444	23,574	3						
				(419)	(6,842)							
41-125				238	3,882	3						
.1 110				(69)	(1,127)							
				, ,								
34-122	1,516	19,220	10									
	(147)	(1,859)								•		
77 100	110	1 000	_									
33-122	119 (25)	1,892 (396)	5									
	(23)	(330)									• .	

Table 5. Continued

		July			August			September	,		October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)) Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	а					
					Bait		<u></u>					
33-121	1,023	12,974		52	655	3						
	(99)	(1,255)) .	(15)	(190)							
33-119				14	332	2						
00 110				(6)		_						
32-120				0	0	3						
•				(0)	(0)							
31-121				55	699	3						
VI 1-1				(16)					-			
Cube ee al	77 -40	E41 0E7	210	160 274	2 567 777	970	111 601	2 775 547	327	0	0	0
Subtotal	37,540	541,053	218	160,274	2,563,333	83 0	111,691	2,375,543	327	0	U	U
Tota1	369,479	5,075,358	2,668	922,253	12,885,835	6,090	169,867	3,302,293	1,131	39,850	69 2,607	500
Astoria												
					Landed a	t Newnor	rt.					
					Jig B							
48-127				4,873		16						
				(296)	(4,022)							
48-126				272	3,691	8						
40-120				(33)	•							
				(00)	, (.40)							
47-127				288	3,883	8						
				(35)	(472)							29

Table 5. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	
					Landed a		<u>:t</u>					
					Jig B	oats						
47-126				1,811	24,429	16						
				(110)	(1,484)							
47 125				502	6 924	16						
47-125				502	6,824 (414)	16						
				(30)	(414)							
46-127				4,371	58,912	16						
10 11				(266)	(3,578)	10						
				(200)	(0,0,0)							
46-126	58	758	3	5,161	68,398	16						
	(17)	(222)		(314)	(4,155)							
46-125				3,120	39,714	25						
				(126)	(1,608)							
46-124				1,227	20,496	41						
				(30)	(498)							
4F 127	24	712	7									
45-127	24 (7)	312 (92)	3									
	(7)	(32)										
45-126	11,140	153,299	91	101.709	1,340,070	568						
10 110	(122)	(1,682)	01	(179)		000						
	()	(-))		(=)	(=,,							
45-125	483	6,684	15	11,071	154,730	132	5,340	91,878	76			
	(32)	(444)		(84)	(1,175)		(71)	(1,213)				
45-124				12,002	185,776	148	4,052	89,542	114			
				(81)	(1,254)		(36)	(788)				
44 105	10 004	147 440	=-	, ,,,	01 010							
44-127	10,824	147,448	78	1,646	21,818	16						
	(138)	(1,880)		(100)	(1,325)							

Table 5. Continued

		July			August		S	eptember			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days									
Catch	(Nos/Day)	(Lbs/Day)	Fished									
					Landed at	Newpor	t					
					Jig Bo	oats	_					
44-126	27,329	369,677	223	31,601	425,956	222						
	(123)	(1,657)		(142)	(1,917)							
44-125	965	13,145	38	8,808	128,807	123						
	(25)	(343)		(71)	(1,043)							
44-124	160	2,071	3	6,445	102,434	140	1,439	31,800	38			
	(47)	(607)		(46)	(732)		(38)	(840)				
43-127	6,371	85,334	61	74	982	8						
	(104)	(1,390)		(9)	(119)							
43-126	7,533	100,187	59	5,005	64,193	33						
	(127)	(1,687)		(152)	(1,950)							
43-125	921	12,386	24									
	(39)	(519)										
43-124	106	1,366	3									
	(31)	(401)										
42-125	153	2,024	3				16,298	242,886	140			
	(45)	(593)					(116)	(1,731)				
40-125							644	7,689	38			
							(17)	(203)				
39-126					-		2,007	23,972	38			
							(53)	(633)				31

Table 5. Continued

		July			August	- · · · · · · · · · · · · · · · · · · ·		September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	: Newpor	t					
					Jig Bo		<u>-</u>					
36-122	3	50	3									
	(1)	(15)										
35-121	3	50	7				, .					
	(1)	(7)										
Subtotal	66,073	894,791	614	199,986	2,717,335	1,552	29,780	487,767	444			
					Landed at 0	Coos Bay						
					Jig Boa		=					
50-129				7,366	124,067	36	2,203	33,203	10			
				(206)	(3,471)	1	(220)	(3,316)				
49-129				356	5,446	3						
				(125)	(1,910))						
49-128				0	0	3	915	11,986	10			•
				(0)	(0)		(91)	(1,197)				
49-127				1,638	23,358	9	374	4,899	3			
				(181)	(2,584)		(112)	(1,468)				
49-126				952	13,657	6						
				(167)	(2,395)							-
48-127				1,425	20,644	24						
				(60)	(868)							
48-126				2,700	40,705	21	1,449	20,001	10			
·- •				(129)	(1,944)		(145)	(1,997)				

Table 5. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds .	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					I and a d a t	Coos Por	_					
					Landed at Jig B		<u>'</u>					
					org D	vacs						
48-125				336	4,825	3						
				(118)	(1,692)							
47 100					27 525	0						
47-128				1,540	23,525	. 9						
				(180)	(2,750)							
47-127	434	5,943	5	348	5,315	6						
	(92)	(1,259)		(61)	(932)							
									_		•	
47-126				1,140	18,119	12	935	12,249	3			
				(96)	(1,524)		(280)	(3,669)				
47-125				1,261	19,290	15	•					
				(86)	(1,308)							
46-127	165	2,261	2									
	(105)	1,436										
46-126	208	2,844	3	297	4,531	3						
	(66)	(903)		(104)	(1,589)	3						
	(00)	(500)		. (20.1)	(2,000)							
46-125	114	1,983	3	1,249	18,938	27						
	(40)	(695)		(47)	(711)							
46-124				322	4,585	3						
40-124				(113)	(1,608)	3						
				(110)	(1,000)							
45-127	779	10,604	. 8									
	(99)	(1,347)										
45 3 34		04.000	4-		206 717	25						W
45-126	6,676	94,992	41	21,618 (172)	286,717	25						33.
	(161)	(2,289)		(1/2)	(2,285)							

Table 5. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
				I	anded at C	oos Bav						
				_	Jig Boat							
45-125	1,680 (295)	22,892 (4,014)	6	1,854 (93)	24,768 (1,241)	20	451 (135)	5,906 (1,769)	3			
45-124			•	1,074 (73)	15,261 (1,035)	15	250 (75)	4,097 (1,227)	3			
44-127	10,679 (126)	148,343 (1,751)	85	145 (51)	2,585 (907)	3						
44-126	18,630 (109)	247,979 (1,452)	171	3,844 (112)	54,171 (1,583)	. 34	975 (146)	15,952 (2,389)	7			
44-125	2,183 (59)	28 , 299 (761)	37	2,720 (73)	41,198 (1,111)	37	2,407 (103)	39,389 (1,686)	23			
43-124		e.		1,355 (66)	22,520 (1,101)	20	7 (2)	95 (28)	3			
43-127	8,867 (113)	116,977 (1,492)	78	4,061 (285)	58,315 (4,090)	14					•	
43-126	6,221 (53)	83,880 (708)	118	6,735 (169)	96,142 (2,408)	40	237 (71)	3,879 (1,162)	3 -			
43-125	541 (20)	7,283 (275)	26	2,093 (92)	27,566 (1,208)	23	3,131 (134)	52,634 (2,253)	23			
43-124				76 (12)	1,178 (190)	6	280 (84)	3,675 (1,101)	3			
42-127	101 (21)	1,272 (269)	5									

Table 5. Continued

		July			August		S	eptember			October	
Area of Catch	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished									
				<u>I</u>	anded at C Jig Bo							
45-125	1,680 (295)	22,892 (4,014)	6	1,854 (93)	24,768 (1,241)	20	451 (135)	5,906 (1,769)	3			
45-124				1,074 (73)	15,261 (1,035)	15	250 (75)	4,097 (1,227)	3			
44-127	10,679 (126)	148,343 (1,751)	85	145 (51)	2,585 (907)	3						
44-126	18,630 (109)	247,979 (1,452)	171	3,844 (112)	54,171 (1,583)	34	975 (146)	15,952 (2,389)	7			
44-125	2,183 (59)	28,299 (761)	37	2,720 (73)	41,198 (1,111)	37	2,407 (103)	39,389 (1,686)	23			
44-124				1,355 (66)	22,520 (1,101	20	7 (2)	95 (28)	3			
43-127	8,867 (113)	116,977 (1,492)	78	4,061 (285)	58,315 (4,090)	14						
43-126	6,221 (53)	83,880 (708)	118	6,735 (169)	96,142 (2,408)	40	237 (71)	3,879 (1,162)	3			
43-125	541 (20)	7,283 (275)	26	2,093 (92)	27,566 (1,208)	23	3,131 (134)	52,634 (2,253)	23			
43-124				76 (12)	1,178 (190)	6	280 (84)	3,675 (1,101)	.3			35.

Table 5. Continued

		Ju1y			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at							
					Jig Boa	ts						
42-126	194	3,371	3	5,954	79,464	31	537	8,839	10			
	(68)	(1,182)		(190)	(2,533)		(54)	(883)				
42-125				664	8,841	6	5,037	81,444	33			
				(117)	(1,550)		(151)	(2,440)				
41-126							13	268	3			
							(4)	(80)				
41-125				394	5,236	3	544	10,289	10			
				(138)	(1,836)		(54)	(1,027)				
40-126							3,802	52,135	20			
							(190)	(2,603)				
40-125							160	2,596	7			
							(24)	(389)				
39-126							1,989	29,814	10			
							(199)	(2,977)				
39-125							16,503	228,940	70			
							(235)	(3,266)				
Subtotal	57,472	778,923	591	73,517	1,050,967	457	42,199	622,290	267	0	0	0
Grand	493,024	6,749,072	3,873	1,195,756	16,654,137	8,099	241,846	4,412,350	1,842	39,850	692,607	500
Total												

Table 6. Calculated Catch of Albacore by One-Degree Block, Month of Catch, Port of Landing, and Method of Fishing, Prorated from Logbook and Interview Data for 1970

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	.a					
						Boats						
48-126			-	510 (25)	6,771 (332)	20						
48-125	1,304 (160)	27,834 (3,414)	8	29 (7)	609 (149)	4	1,263 (134)	23,057 (2,446)	9			
47-126	6,612 (162)	94,384 (2,314)	41	3,836 (134)	57,586 (2,018)	29						
47-125	1,454 (82)	22,340 (1,263)	18				3,318 (70)	60,567 (1,285)	47			
46-128	6,177 (267)	87,218 (3,744)	23	477 (29)	6,969 (427)	16						
46-127	19,322 (268)	271,453 (3,760)	72	567 (139)	8,283 (2,032)	4						
46-126	274,493 (286)	3,853,545 (4,019)	959	762 (23)	11,920 (366)	33						
46-125	188,881 (210)	2,753,693 (3,064)	899	13,627 (63)	218,381 (1,011)	216	1,301 (34)	20,921 (555)	38			
46-124	1,696 (62)	25,371 (932)	27	208 (17)	3,384 (277)	12						
45-127	12,279 (129)	169,104 (1,774)	95									37.

Table 6. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	a					
						Boats						
45-126		1,202,887	331	632	10,237	20						
	(266)	(3,634)		(31)	(502)				•			
45-125	28,066 (193)	393,933 (2,704)	146	7,068 (64)	113,408 (1,030)	110	811 (86)	12,612 (1,338)	9			
45-124	803 (66)	14,187 (1,160)	12	28,639 (95)	448,770 (1,488)	302						
44-128	1,781 (131)	22,410 (1,647)	14									
44-127	19,583 (176)	255,377 (2,290)	112	53 (13)	715 (175)	4						
44-126	9,300 (155)	139,940 (2,335)	60	807 (99)	11,282 (1,384)	8						
44-125	61 (15)	981 (241)	4	819 (67)	12,389 (1,013)	. 12	19 (2)	239 (25)	9			
44-124				2,230 (61)	34,916 (952)	37						
43-128	908 (95)	12,389 (1,300)	10									
43-127	5,352 (91)	70,601 (1,205)	59									

Table 6. Continued

	July			August			September			October	
Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days
(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fishec
						<u>a</u>				•	
1,506 (61)	20,490 (836)	25									
						641 (34)	8,725 (463)	19			
2,741 (112)	38,024 (1,553)	24									
2,998 (105)	42,496 (1,485)	29	734 (90)	9,820 (1,205)	8						
4,416 (162)	59,385 (2,177)	27	•								
440 (46)	6,395 (617)	10									
55 (20)	710 (260)	3									4
7,178 (202)	90,331 (2, 54 8)	35									
1,966 (120)	16,224 (991)	16									
2,032 (248)	19,812 (2,421)	8	6,877 (221)	94,244 (3,032)	31	8,193 (93)	132,063 (1,492)	89			39
	of Fish (Nos/Day) 1,506 (61) 2,741 (112) 2,998 (105) 4,416 (162) 440 (46) 55 (20) 7,178 (202) 1,966 (120) 2,032	Numbers of Fish (Nos/Day) 1,506 (20,490 (836) 2,741 38,024 (112) (1,553) 2,998 42,496 (105) (1,485) 4,416 59,385 (162) (2,177) 440 6,395 (46) (617) 55 710 (20) (260) 7,178 90,331 (202) (2,548) 1,966 16,224 (120) (991) 2,032 19,812	Numbers of Fish of Fish Days (Nos/Day) (Lbs/Day) Fished 1,506 20,490 25 (61) (836) 2,741 38,024 24 (112) (1,553) 2,998 42,496 29 (105) (1,485) 4,416 59,385 27 (162) (2,177) 440 6,395 10 (617) 55 710 3 (20) (260) 7,178 90,331 35 (20) (260) 7,178 90,331 35 (202) (2,548) 1,966 16,224 16 (120) (991) 2,032 19,812 8	Numbers of Fish of Fish Days of Fish (Nos/Day) (Lbs/Day) Fished (Nos/Day) 1,506 20,490 25 (61) (836) 2,741 38,024 24 (112) (1,553) 2,998 42,496 29 734 (105) (1,485) (90) 4,416 59,385 27 (162) (2,177) 440 6,395 10 (46) (617) 55 710 3 (20) (260) 7,178 90,331 35 (202) (2,548) 1,966 16,224 16 (120) (991) 2,032 19,812 8 6,877	Numbers of Fish of Fish (Nos/Day) Pounds of Fish (Nos/Day) Numbers of Fish of Fish (Nos/Day) Pounds of Fish (Lbs/Day) 1,506 (61) 20,490 (836) 25 (836) 2,741 (12) (1,553) 38,024 (112) (1,553) 24 (112) (1,553) 2,998 (105) (1,485) 42,496 (105) (1,485) (105) 29 (105) (1,205) 4,416 (162) (2,177) 59,385 (2,177) 27 (162) (2,177) 440 (6,395 (10) (617) 10 (20) (260) 3 (202) (2,548) 1,966 (16,224 (16) (120) (991) 16 (120) (120) (120) 19,812 (105) (105) (105) 2,032 (19,812 (105)	Numbers of Fish	Numbers of Fish of Fish (Nos/Day) Pounds of Fish Days of Fish (Nos/Day) Numbers of Fish Of Fish Of Fish Of Fish Of Fish Of Fish Days of Fish Of Fish (Nos/Day) Numbers of Fish Days of Fish Of Fish Of Fish Days Of Fish Of Fish Days Of Fish Of Fish Days Of Fish Days Of Fish Days Of Fish Of Fish Days Of Fish Da	Numbers of Fish Days of Fish Days of Fish Days Of Fish Days (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) Landed at Astoria / Jig Boats	Numbers of Fish of Fish Days of Fish Of Fish Days (Lbs/Day) Fished (Nos/Day) (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Nos/	Numbers Pounds of Fish Days Days (lbs/Day) Fished (Nos/Day) Pished (Nos/Day)	Numbers Pounds of Fish Days Of Fish Days of Fish Da

Table 6. Continued

		July			August			September			October	`
Area of	Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days	Numbers of Fish	Pounds of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori Boats	<u>a</u>					
40-125				9,935 (211)	127,568 (2,707)	47	5,950 (186)	98,948 (3,093)	32	288 (18)	3,698 (231)	16
39-128	177 (33)	2,075 (380)	5									
39-126				11,056 (186)	148,500 (2,502)	59	28,418 (152)	463,812 (2,475)	187	48 (3)	616 (39)	16
39-125				510 (125)	6,819 (1,673)	4						
38-127	117 (43)	1,495 (548)	3									
38-126				26,490 (333)	354,558 (4,461)	79					•	
38-125	5 (2)	69 (25)	3	10,492 (251)	139,723 (3,344)	42						
37-125				5,833 (358)	78,069 (4,788)	16						
36-123			·							2,575 (54)	33,076 (689)	48
36-122										7,581 (79)	97,380 (1,015)	96
Subtota1	689,642	9,715,153	3,078	132,191	1,904,921	1,113	49,914	820,944	439	10,492	134,770	176

Table 6. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	а					
						Boats	<u> </u>					
					2420							
47-126				13	280	3						
				(5)	(106)							
47-125				3,706	75,807	13	33,501	624,433	63			
				(282)	(5,765)		(533)	(9,928)				
47-124							1,077	21,731	8			
47-124							(137)	(2,764)				
							(==-,					
46-126	278	4,658	3									
	(105)	(1,762)										
				00 (07)		101	71 010	F.7.0	100			
46-125					1,680,359	181	31,818	667,530	102			
				(489)	(9,267)		(311)	(6,531)				
46-124				20,014	360,307	53	62 481	1,398,298	118			
40-124	.•			(381)	(6,859)	00	(530)	(11,857)	110			
				(002)	(0,000)		(222)	(,,				
45-125	2,176	36,509	8	22,002	408,857	50	5,173	105,054	31			
	(274)	(4,603)		(439)	(8,150)		(165)	(3,340)				
45-124				9,803	170,067	55						
				(177)	(3,078)							
44 124				1,425	23,910	3						
44-124				(539)	(9,043)	3						
				(339)	(3,043)							
Subtotal	2,454	41,167	11	145.590	2,719,587	358	134,050	2,817,046	322			
545 00 041	2,404			1.0,000	_,,		,					

Table 6. Continued

Numbers Pounds Of Fish Of Fish Days Day			July			August			September			October	
Catch (Nos/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) (Lbs/Day) Fished (Nos/Day) (Lbs/Day) (Lbs/Day		Numbers	Pounds										
Landed at Newport Jig Boats 46-126 12,241 171,456 (38 373 5,794 21 (18) (279) 46-125 4,565 65,042 (12) (1,733) 38 5,577 83,926 83 (67) (1,012) 46-124 4,934 79,570 83 (60) (960) 83 (60) (960) 45-126 15,825 233,079 (211) (3,104) 75 (211) (3,104) 45-125 36,906 534,399 (221) (3,201) 167 8,147 155,109 62 (211) (2,172) 45-124 29,085 477,990 207 (140) (2,301) 44-126 14,926 213,320 (296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)	Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
3 3 3 3 3 3 3 3 3 3	Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
3 3 3 3 3 3 3 3 3 3						I anded a	t Newnor	·+					
46-126													
(326) (4,567) (18) (279) 46-125 4,565 65,042 38 5,577 83,926 83 46-124 4,934 79,570 83 45-126 15,825 233,079 75 (211) (3,104) 75 45-125 36,906 534,399 167 8,147 135,109 62 45-124 29,085 477,090 207 44-126 14,926 213,320 50 (296) (4,230) 50 44-125 62 1,072 21 (3) (52) 6,613 113,818 62 44-124 6,613 113,818 62						018	20403						
(326) (4,567) (18) (279) 46-125	46-126	12,241	171,456	38	373	5,794	21						
46-125 4,565 (122) (1,733) 38 5,577 83,926 (67) (1,012) 83 46-124 4,934 79,570 (60) (960) 83 45-126 15,825 233,079 (211) (3,104) 75 45-125 36,906 534,399 (167 (131) (2,172) 62 (221) (3,201) 45-124 29,085 477,090 (140) (2,301) 207 (140) (2,301) 44-126 14,926 213,320 (296) (4,230) 50 (296) (4,230) 44-125 62 1,072 (3) (52) 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830) 62 (1,830)					(18)	(279)							
(122) (1,733) (67) (1,012) 46-124									•				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	46-125		-	38	-	-	83						
(60) (960) 45-126		(122)	(1,733)		(67)	(1,012)							
(60) (960) 45-126	16 121				1 931	79 570	2.7						
45-126	40-124					•	03						
(211) (3,104) 45-125 36,906 534,399 167 8,147 135,109 62 (221) (3,201) (131) (2,172) 45-124 29,085 477,090 207 (140) (2,301) 44-126 14,926 213,320 50 (296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)					(00)	(200)							
45-125 36,906 534,399 167 8,147 135,109 62 45-124 29,085 477,090 207 44-126 14,926 213,320 50 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)	45-126	15,825	233,079	75									
(221) (3,201) (131) (2,172) 45-124 29,085 477,090 207 (140) (2,301) 44-126 14,926 213,320 50 (296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830) 62 (106) (1,830)		(211)	(3,104)										
(221) (3,201) (131) (2,172) 45-124 29,085 477,090 207 (140) (2,301) 44-126 14,926 213,320 50 (296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124													
45-124 29,085 477,090 207 44-126 14,926 213,320 50 (296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)	45-125			167		-							
(140) (2,301) 44-126		(221)	(3,201)		(131)	(2,1/2)							
(140) (2,301) 44-126	45-124				29, 085	477 090	207						
44-126 14,926 213,320 (296) (4,230) 50 44-125 62 1,072 (3) (52) 21 44-124 6,613 113,818 62 (106) (1,830) 62	45-124					•	207						
(296) (4,230) 44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)					(= 1-)	(-,)							
44-125 62 1,072 21 (3) (52) 44-124 6,613 113,818 62 (106) (1,830)	44-126	14,926	213,320	50									
(3) (52) 44-124 6,613 113,818 62 (106) (1,830)		(296)	(4,230)										
(3) (52) 44-124 6,613 113,818 62 (106) (1,830)													
6,613 113,818 62 (106) (1,830)	44-125			21									
(106) (1,830)		(3)	(52)										
(106) (1,830)	44-124				6.613	113 818	62						
	44-124					-	02						
Subtotal 84,525 1,218,368 389 54,729 895,307 518				· · · · · · · · · · · · · · · · · · ·		(2,000)							
	Subtota1	84,525	1,218,368	389	54,729	895,307	518						

Table 6. Continued

		July			August			September			October	
Area of Catch	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished									
Jig Totals	774,167 1	0,933,521	3,467	186,920	2,800,228	1,631	49,914	820,944	439	10,492	134,770	176
Grand Tot Bait & Jig		0,974,688	3,478	332,510	5,519,815	1,989	183,964	3,637,990	761	10,492	134,770	176

Table 7. Calculated Catch of Albacore by One-Degree Block, Month of Catch, Port of Landing, and Method of Fishing, Prorated from Logbook and Interview Data for 1971

		July			August	
Area of .	Numbers	Pounds	Days	Numbers	Pounds	Days
Catch	of Fish	of Fish	Fished	of Fish	of Fish	Fished
			Landed at Jig B			
49-127				65 (11)	832 (140)	6
48-127	539 (91)	7,028 (1,186)	6	3,378 (81)	44,142 (1,064)	41
48-126	1,719 (97)	21,822 (1,227)	18	30,242 (94)	389,379 (1,217)	320
48-125	2 6 0 (27)	3,294 (339)	10	717 (40)	8,546 (481)	18
47-128	533 (90)	7,195 (1,214)	6		4	
47-127				6,839 (144)	86,011 (1,814)	47
47-126	17,862 (116)	224,509 (1,457)	154	49,017 (123)	610,247 (1,537)	397
47-125	47,599 (106)	629,528 (1,403)	449	16,807 (77)	211,111 (963)	219
46-127	397 (67)	5,356 (904)	6			
46-126	3,295 (93)	42,731 (1,202)	36	2,264 (96)	27,295 (1,151)	24
46-125	69,860 (99)	903,076 (1,286)	702	9,198 (82)	115,518 (1,026)	113
46-124	8,750 (55)	114,233 (724)	158	3,206 (22)	40,434 (273)	148
45-127	1,502 (99)	19,566 (1,290)	15			
45-126	3,368 (99)	43,501 (1,274)	34			
45-125	73,180 (119)	950,976 (1,541)	617			

Table 7. Continued

•	17 1	July		17 1	August	
Area of	Numbers	Pounds	Days	Numbers	Pounds	Days
Catch	of Fish	of Fish	Fished	of Fish	of Fish	Fished
			at Astoria Boats			
45-124	32,002 (131)	438,210 (1,790)	245	160 (14)	2,687 (227)	12
44-127	201 (53)	2,431 (641)	4			
44-126	163 (22)	2,166 (286)	8		•	
44-125	16,151 (125)	200,797 (1,554)	129	0 (0)	0 (0)	6
44-124	224 (59)	2,803 (739)	4			
43-127				373 (63)	4,093 (691)	6.
43-125	0 (0)	0 (0)	4		i.	
43-124	41 (7)	560 (94)	6			
42-125				1,434 (61)	15,790 (666)	24
41-126	9,387 (317)	104,952 (3,542)	30	373 (63)	4,093 (691)	6
41-125	7,645 (184)	87,405 (2,107)	41	397 (67)	4,506 (760)	6
40-125	2,702 (456)	30,670 (5,175)	6			
39-125	1,203 (101)	13,190 (1,113)	12			
37-123	522 (88)	5,718 (965)	6			
35-121	284 (48)	3,119 (526)	6			
33-120	77 (13)	845 (143)	6			

Table 7. Continued

		July			August	
Area of	Numbers	Pounds	Days	Numbers	Pounds	Days
Catch	of Fish	of Fish	Fished	of Fish	of Fish	Fished
			l at Astoria lg Boats			
						
33-118	18 (3)	195 (33)	6			
Subtota1	299,484	3,865,876	2,724	124,470	1,564,684	1,393
			l at Astoria ait Boats			
48-126				4,790 (309)	75,166 (4,844)	16
48-125				3,709 (717)	58,201 (11,252)	5
47-126				248 (48)	3,896 (753)	5
47-125				13,149 (318)	206,340 (4,986)	41
46-125				6,786 (187)	89,381 (2,469)	36
45-125				3,833 (185)	45,586 (2,203)	21
41-125	528 (102)	8,280 (1,601)	5	145 (28)	2,273 (439)	5
40-125				4,402 (95)	52,354 (1,125)	47
38-125	21 (4)	325 (63)	5			
Subtota1	549	8,605	10	37,062	533,197	176
Astoria Total	300,033	3,874,481	2,734	161,532	2,097,881	1,569

Table 7. Continued

		July			August	
Area of	Numbers	Pounds	Days	Numbers	Pounds	Days
Catch	of Fish	of Fish	Fished	of Fish	of Fish	Fished
		Lande	d at Newport			•
		<u>Lande</u> J	ig Boats	<u>-</u>	•	
48-126				4,573 (64)	60,308 (844)	71
47-125			·	2,394 (67)	31,567 (884)	36
46-127	5,050 (139)	63,223 (1,746)	36			
46-126	11,884 (132)	150,553 (1,672)	90			
46-125	7,074 (99)	92,278 (1,291)	71	1,250 (35)	16,490 (462)	36
45-125	19,914 (79)	253,967 (1,006)	252			
45-124	14,782 (68)	184,176 (850)	217	286 (8)	3,769 (106)	36
44-125	6,372 (117)	84,880 (1,563)	54			
44-124	3,215	41,944 (1,174)	36	36 (1)	471 (13)	36
Subtotal	68,291	871,021	756	8,539	112,605	215
Grand Total	368,325	4,745,502	3,490	170,071	2,210,486	1,784

Table 8. Calculated Catch of Albacore by One-Degree Block, Month of Catch, Port of Landing, and Method of Fishing, Prorated from Logbook and Interview Data for 1972

		July		-	August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					1 1		• -					
						at Astor	<u>la</u>					
					<u> </u>	Boats						
53-133				825	12,115	6	882	12,943	9			
00 200				(139)	(2,040)		(99)	(1,453)				
							. ,					
52-132				10,602	192,301	61	1,930	37,788	15			
				(174)	(3,147)		(130)	(2,546)				
				0.714	100 155		2 107	70 716	0.1			
52-131				9,714	188,155	56	2,123	38,716	21			
				(172)	(3,336)		(102)	(1,863)				
51-134				125	2,243	3						
31-134				(42)	(756)							
				(-)	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
51-133							4,165	73,617	24			
•							(175)	(3,100)				
								454 40 5	227			
51-132				15,025	292,642	83	36,233	654,627	223			
				(180)	(3,505)		(163)	(2,940)				
51-131				34,804	672,423	214	6,817	117,101	44			
31-131				(163)	(3,148)	217	(153)	(2,632)				
				. (200)	(0,1.0)		(===)	(-,,				
51-130				17,120	306,303	116	3,577	63,291	30			
				(148)	(2,639)		(121)	(2,135)				
							- 40		_			
51-129				3,779	68,887	24	549	8,139	3			
				(160)	(2,913)		(185)	(2,741)				

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds	_	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a Jig	t Astori Boats	<u>a</u>					
51-128				1,374 (194)	25,498 (3,599)	7		•				
50-133							2,179 (184)	35,428 (2,983)	12			
50-132				1,937 (137)	34,523 (2,437)	14	6,778 (152)	108,732 (2,442)	45			
50-131						•	12,382 (144)	192,077 (2,231)	86			
50-130	514 (72)	8,401 (1,186)	7	19,894 (164)	339,939 (2,802)	121	12,712 (91)	210,199 (1,507)	139	183 (62)	3,293 (1,115)	3
50-129	489 (69)	7,978 (1,126)	7	19,375 (139)	339,125 (2,441)	139	5,569 (85)	92,182 (1,413)	65			
50-128				7,190 (118)	121,179 (1,990)	61						
50-127	1,438 (102)	23,591 (1,665)	14									
49-132							273 (92)	4,268 (1,438)	3 .			
49-131							252 (85)	3,944 (1,328)	3			49.
49-130	251 (36)	4,046 (571)	7				2,526 (85)	46,509 (1,567)	30			•

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori Boats	<u>a</u>					
49-129	1,374 (97)	21,832 (1,541)	14	6,543 (98)	111,699 (1,671)	67	6,258 (96)	98,926 (1,515)	65			
49-128	5,603 (113)	90,367 (1,822)	50	16,045 (114)	265,017 (1,886)	141	3,750 (90)	66,854 (1,608)	42		·	
49-127				613 (47)	11,070 (850)	13						
48-131	673 (190)	11,599 (3,275)	4									
48-130	216 (61)	3,724 (1,051)	4	613 (87)	9,541 (1,347)	7						
48-129	924 (87)	15,366 (1,446)	11	4,979 (159)	81,664 (2,609)	31	478 (40)	8,079 (680)	12			
48-128	4,075 (83)	64,246 (1,310)	49	23,539 (146)	389,665 (2,417)	161	1,291 (48)	20,094 (752)	27			
48-127	1,753 (91)	26,991 (1,406)	19	13,757 (101)	221,875 (1,632)	136	1,526 (37)	27,403 (659)	42			
48-126				3,493 (118)	65,711 (2,221)	30						
48-125				178 (60)	3,205 (1,079)	3						

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	a					
						Boats						
47-129				726	11,420	11						
				(68)	(1,075)							
47-128				106	1,818	4	101	1,678	6			
				(30)	(513)		(17)	(283)				
47-127	4,643	73,736	35	13,705	219,298	102	92	1,531	6			
	(133)	(2,115)		(134)	(2,147)		(16)	(258)				
47-126	30,366	489,096	211	18,780	306,346	233	1,603	26,947	42			
	(144)	(2,314)		(81)	(1,316)		(39)	(648)				
47-125	1,386	24,953	27	3,265	57,237	59	6	110	3			
	(51)	(923)		(55)	(969)		(2)	(37)	•			
46-129				1,204	18,751	7						
				(170)	(2,647)							
46-128	312	5,031	4	3,910	57,021	21						
	(88)	(1,420)		(184)	(2,683)							
46-127	3,362	52,495	16	5,058	77,847	43						
	(205)	(3,200)		(119)	(1,831)							
46-126	27,490	445,699	198	46,822	755,201	390	113	2,144	12			
	(139)	(2,253)	. =1	(120)	(1,938)		(10)	(181)				
46-125	72,251	1,200,747	665	44,776	770,348	572	148	2,179	3			
	(109)	(1,805)		(78)	(1,348)		(50)	(734)				51.

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(nos/Day)	(Lbs/Day)	Fished
					Landed a		<u>a</u>					
					Jig	Boats						
46-124	2,393	39,621	91	4,612	76,610	97						
	(26)	(437)		(48)	(791)	- ·						
	, ,											
45-128				336	4,875	4						
				(95)	(1,376)							
45 107	10 667	202 767	107									
45-127	19,667 (190)	282,363 (2,734)	103			•						
	(190)	(2, 734)										
45-126	37,850	592,809	207	31,198	481,122	202						
	(183)	(2,870)		(155)	(2,383)							
45-125	87,196	1,391,725	520	18,548	312,480	195	160	2,743	9			
	(168)	(2,676)		(95)	(1,598)		(18)	(308)				
	0.776	157 506		277	4 607		71	1 275	1.0			
45-124	9,336	153,506	88	273	4,607	18	71	1,275	12			
	(106)	(1,748)		(15)	(260)		(6)	(107)				
44-127	1,916	30,447	13	4,339	60,459	18					•	
44-127	(149)	(2,367)	13	(245)	(3,414)	10						
	(=)	(2,007)		(=)	(-,)							
44-126	10,767	172,022	69	45,016	665,474	241						
	(156)	(2,494)		(187)	(2,763)					*.		
44-125	4,138	66,523	53	9,683	155,110	88	6,561	111,750	95			
	(78)	(1,248)		(110)	(1,763)		(69)	(1,176)				
44-124	604	9,670	12	925	17,682	. 31	715	13,369	24			
77-124	(50)	(798)	12	(30)	(573)	. 31	(30)	(563)	. 24			
	(30)	(750)		(30)	(3,3)		(30)	(303)				

Table 8. Continued

	July				August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	а					
						Boats	<u></u>					
43-127	1,760 (145)	25,259 (2,085)	12									
43-126	5,746	82,324	70	15,277	225,915	119						
	(82)	(1,178)		(128)	(1,894)							
43-125	453	7,254	34	1,237	21,954	20						
	(13)	(213)		(63)	(1,124)							
43-124				53	931	4						
40-124				(15)	(263)							
42-127	1,332 (64)	18,718 (905)	21									
42-126	5,158	75,832	36	510	7,349	4						
	(142)	(2,086)		(144)	(2,075)							
42-125	329	5,497	7									
42-125	(47)	(776)	,									
			_		•							
42-124	40	578 (74)	8									
	(5)	(74)										
41-126				135	2,377	4						
				(38)	(671)			,				
41-125	982	15,442	16			4						
11 120	(60)	(941)	10			·						53.
												-

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astori	.a					
						Boats						
41-124	188 (13)	3,184 (225)	14									
40-125	176 (20)	2,786 (325)	9									
40-124	222 (18)	3,262 (272)	12			•			·			. •
39-125	478 (61)	7,247 (926)	8									
39-124	438 (22)	7,148 (358)	20									
38-125	407 (58)	6,797 (960)	7									
38-124	202 (29)	4,016 (5 6 7)	7									
38-123	174 (49)	2,896 (818)	4									
37-129				25 (7)	(491 (139)	4						
37-126	124 (29)	1,806 (421)	4									

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Nos/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
•				•	T 1 - 1	4 A = 4 = =	_					
					Landed a	t Astori Boats	<u>a</u>					
			•		<u>org</u>	Doats		- ,				
37-124	138 (18)	2,018 (258)	8									
37-123	382 (49)	6,151 (786)	8			. -						
	_						•					
37-122	4	58	4									
	(1)	(16)						•				
36-125	4 (1)	62 (14)	4					·				
36-123	685	10,877	16	96	1,677	4						
	(44)	(695)		(27)	(473)							
36-122	9 8 9 (42)	16,898 (719)	23									
	•											
35-123	184 (52)	2,992 (845)	4									•
35-122	628 (55)	9,411 (828)	11	184 (26)	2,886 (407)	7	·					
35-121	2,453 (104)	39,329 (1,674)	23	53 (8)	713 (101)	. 7						
35-120	227 (32)	3,266 (461)	7									55.
34-128	106 (30)	1,831 (517)	4									•

Table 8. Continued

		July			August			September		October
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	Numbers	Pounds
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish Days	of Fish	of Fish Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day) Fished	(Nos/Day)	(Lbs/Day) Fished
					T 1- 1	+ A-+:				
					Landed a	E ASTOFI Boats	<u>a</u>			
					<u>518</u>	boats				
34-126	1,950	32,960	15	14	280	4				
	(131)	(2,210)		(4)	(79)					
						_				
34-124	227	3,381	8	301	5,958	7				
	(29)	(432)		(43)	(841)					
34-123	188	3,070	. 4							
34-123	(53)	(867)	, 7							
	(00)	(50.)								
34-122	3,641	55,887	31							
	(116)	(1,785)								
		304 505	4.0					•		•
34-121	6,669	106,383	48							
	(140)	(2,238)								
34-120	793	13,220	9							
34 1 2 0	(93)	(1,543)	-							
										•
33-129				85	1,682	4				
				(24)	(475)					
77 101	4 206	(1 470	F1							
33-121	4,206 (83)	61,430 (1,212)	51							
	(63)	(1,212)								
33-120	101	1,542	8							
	(13)	(197)								
	. ,									
33-119	133	1,853	13							
	(10)	(144)								

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Astoria	2					
						Boats						
70 100	1.106	17 776	. 0									
32-122	1,196 (140)	17,376 (2,026)	9									
				•								
32-120	1,681	24,466	17									
	(98)	(1,427)										
32-119	733	11,233	14									
	(52)	(793)										
32-117	14	244	4									
	(4)	(69)										
31-117	459	7,651	13									
31-11/	(36)	(595)	13									
Total	376,987	6,012,228	3,143	482,776	8,080,699	4,022	121,820	2,084,643	1,152	183	3,293	3
					•							
					Landed a		<u>t</u>					
					Jig	Boats						
51-131				2,896	40,907	11						
				(259)	(3,659)							
51-130				13,807	196,523	73	553	7,929	6			
31-130				(190)			(99)		J			
50-131				169	2,305	4						ū
				(42)	(571)							57.

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
:					Landed a	t Newpor Boats	<u>t</u>					
50-130							587 (105)	8,292 (1,483)	6			
50-129				402 (72)	5,686 (1,017)	6						
49-131				1,303 (108)	17,725 (1,464)	12						
49-129				1,431 (94)	20,153 (1,325)	. 15						
49-128				1,680 (110)	23,535 (1,547)	15						
48-128	504 (63)	7,495 (929)	8	1,125 (74)	15,783 (1,037)	15	22 (4)	316 (57)	6	•		
48-127	•			704 (126)	10,092 (1,805)	6				•		,
48-126				95 (17)	1,362 (244)	6						
47-128						4						
47-127	876 (109)	13,011 (1,612)	8	323 (80)	4,390 (1,088)	4						

Table 8. Continued

	July Numbers Pounds				August			September			October	
	Numbers	Pounds	_	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	_
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a	t Newpor Boats	<u>t</u>					
					015	Doacs						
47-126	504 (63)	9,509 (1,178)	8	1,383 (72)	20,489 (1,064)	19						
47-125				912 (57)	13,542 (839)	16						
46-126	4,799 (104)	76,623 (1,655)	46	4,285 (97)	67,159 (1,513)	44	28 (3)	398 (36)	11			
46-125	4,795 (130)	74,922 (2,025)	37	1,170 (58)	18,219 (903)	20	268 (24)	4,136 (370)	11			
46-124	33 (11)	591 (198)	3	24 (6)	483 (120)	4	. •					
45-127	3,454 (166)	45,311 (2,172)	21	2,026 (167)	28,132 (2,324)	12						
45-126	13,631 (145)	210,519 (2,244)	94	12,948 (134)	194,546 (2,009)	97						
45-125	20,937 (136)	325,349 (2,106)	154	14,695 (83)	259,714 (1,463)	178	168 (30)	2,985 (534)	6			
45-124	402 (19)	6,928 (332)	21	3,567 (55)	71,473 (1,107)	65						
44-127	1,192 (400)	15,583 (5,229)	3	702 (87)	9,016 (1,117)	, 8						59.

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(nos/Day)	(Lbs/Day)	Fished
-					Landed a		<u>t</u>					
					Jig	Boats						
44-126	5,069 (155)	74,462 (2,271)	33	49,340 (147)	706,181 (2,109)	335	1,146 (68)	19,465 (1,161)	17			
44-125	7,418 (122)	109,162 (1,800)	61	11,944 (62)	201,884 (1,042)	194	9,095 (65)	138,906 (994)	140			
44-124	2,083 (58)	35,559 (994)	36	3,962 (30)	72,497 (555)	131	1,794 (40)	22,384 (501)	45			
43-127	456 (77)	6,804 (1,142)	6									
43-126	5,348 (88)	71,047 (1,171)	61	8,841 (122)	126,663 (1,744)	73	402 (72)	5,957 (1,066)	6			
43-125	1,405 (108)	20,149 (1,553)	13	1,307 (65)	25,919 (1,285)	20						
43-124	60 (8)	949 (135)	7			,						
42-127	1,436 (178)	20,609 (2,554)	8	1,114 (138)	16,012 (1,984)	8			٠.			
42-126	1,374 (92)	19,358 (1,299)	15									
42-125	352 (59)	5,119 (859)	6									

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds	-	Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	risned	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed a		<u>t</u>					
					Jig	Boats						
41-125				93	1,715	8						
				(12)	(213)					~		
35-121				121	2,570	4						
				(30)	(637)							
34-121				258	5,483	4						
				(64)	(1,359)							
34-120				246	5,226	4						
	:			(61)	(1,295)							
33-120						4						
31-118						4						
30-116				650	13,792	12						
30-110				(54)	(1,139)	12	· ·					
29-117						4						
	76 100	1 140 050	640	147 507 6	2 100 176	1 470	14.067	210 769	254			
Total	76,128	1,149,059	649	143,523	2,199,176	1,439	14,063	210,768	254			
						Cara Da						
					Landed at	Boats	<u>Y</u>			.•		
				1 107			-					
48-128				1,187 (100)	18,289 (1,541)	12						61.
40.45=												:
48-127				8 (2)	122 (31)	4						

Table 8. Continued

		July			August			September		-	October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at		<u>y</u>					
					<u>J1g</u>	Boats						
47-127				127	1,951	4						
				(32)	(493)							
47-126				182	2,292	4						
				(46)	(579)							
46-127				36	642	4						
40-127				(9)	(162)	7				-		
				(-)	()							
46-126				1,440	22,155	32						
	•			(46)	(700)							
				200								
46-125				890	15,220	4						
				(225)	(3,846)							
46-124				79	1,338	. 8						
70 124				(10)	(169)	ŭ						
				(-,-)	(=)							
45-127				2,913	38,364	40						
				(74)	(969)							
45 304				2 240	77 410	40						
45-12 6				2,240	33,410	40						
				(57)	(844)							
45-125	•			1,508	21,886	. 28						
43-123				(54)	(790)	20						
				(3.1)	(.35)							
44-127				6,201	80,458	32						
				(196)	(2,541)							

Table 8. Continued

		July			August			September			October	
Area of Catch	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished	Numbers of Fish (Nos/Day)	Pounds of Fish (Lbs/Day)	Days Fished
					Landed a	t Coos B Boats	ay					
44-126				48,521 (155)	685,678 (2,193)	313	6,420 (66)	115,376 (1,179)	98			
44-125				8,101 (76)	124,741 (1,167)	107	11,947 (38)	229,596 (722)	318			
44-124				16 (2)	315 (40)	8						
43-127				3,004 (190)	38,953 (2,461)	16						
43-126				27,052 (145)	391,000 (2,102)	186						
43-125	•			21,385 (72)	335,677 (1,131)	297						
43-124				2,192 (46)	31,567 (665)	47	306 (25)	6,566 (537)	12			
42-126				487 (123)	6,619 (1,673)	4						
41-125				265 (67)	3,606 (911)	4						
36-124				233 (59)	3,407 (861)	4						63.

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	
					Landed at	Coos Ba	У					
					Jig	Boats						
36-123				24	367	4						
				(6)	(93)							
36-122				40	591	4						
				(10)	(149)				•			
35-122				404	6,020	12						
				(34)	(507)							
35-121				83	1,240	8						
				(11)	(157)							
34-127				309	4,504	4						
				(78)	(1,138)							
							÷					
34-126				305	4,711	8						
				(39)	(595)							
34-124				455	7,036	16						
·				(29)	(445)							
34-123				174	2,692	4						
		-		(44)	(680)							
										•	•	
34-122				451	6,727	8						
				(57)	(850)							
					•							
33-126				95	1,386	4						
				(24)	(350)							

Table 8. Continued

		July			August			September			October	
	Numbers	Pounds		Numbers	Pounds		Numbers	Pounds		Numbers	Pounds	
Area of	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days	of Fish	of Fish	Days
Catch	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished	(Nos/Day)	(Lbs/Day)	Fished
					Landed at	Coos Ba	·Y					
						Boats						
33-124				142	2,079	4						
				(36)	(525)							
32-117				59	797	4						
				(15)	(201)							
Total				130,608	1,895,840	1,278	18,673	351,538	428			
Grand												
Total	7,161,287			1	2,175,715			2,646,949				3,293
							-					

Table 9. Albacore Length Frequency Distribution, Astoria, July 1968

Length		Area		
(cm)	44-126	45-126	46-125	Total
55				
6	1			1
7	•	1		1
8		1	2	3
9	3		1	4
60	1	3	5	9
1	2	4	7	13
2	6	4	9	19
2 3	9	9	. 4	22
4	9	12	18	39
65	9	9	20	38
6	9	13	13	35
7	13	5	13	31
8	2	4	12	18
9	4	4	8	16
70	2	4	6	12
1	1	1	6	8
2 3	1	1	. 1	3
3		2	1	3
4				
75	2	1	1	4
6			2	2
7	3		2	5
8				
9			1	1
80				
Total	77	78	132	287
Samples	1	1	2.	4

Table 10. Albacore Length Frequency Distribution, Astoria, August 1968

Cem	Length				rea			
1 1 1 1 2 1 3 3 1 1 3 3 3 1 1 1 4 1 1 2 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 2 1 1 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 </th <th></th> <th>45-124</th> <th>46-125</th> <th>46-126</th> <th>47-125</th> <th>47-126</th> <th>Unknown</th> <th>Total</th>		45-124	46-125	46-126	47-125	47-126	Unknown	Total
1 1 1 1 2 1 3 3 1 1 3 3 1 1 1 4 1 1 2 2 6 2 1 1 1 1 7 1 1 1 1 1 2 9 2 1 2 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 1 <	F.O.							
2 1 3 3 1 1 1 3 4 1 1 3 555 1 1 2 2 6 2 1 1 1 8 1 1 1 1 2 9 9 2 1 2 9 11 6 12 8 3 1 18 4 2 9 11 9 10 8 25 7 3 12 12 6 7 3 35 7 3 12 12 6 7 3 35 7 4 15 18 12 9 5 33 9 65 15 17 16 7 13 32 10 6 12 17 20 10 14 37 11 7 11 17 18 3 7 26 8 8 3 8 13 7 7 26 8 8 3 8 13 7 7 28 6 9 2 7 5 3 2 15 3 70 2 3 13 1 13 1 13 3 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 13 3 1 1 1 4 5 1 1 15 2 2 5 7 1 3 26 8 8 3 1 2 2 2 2 8 9 9 2 7 7 1 3 26 8 8 3 1 2 5 1 1 1 3 3 1 1 1 4 5 1 1 15 2 3 4 2 2 2 2 8 1 9 9 2 7 7 1 3 26 8 8 3 1 2 5 1 1 1 13 3 1 1 1 4 5 1 1 15 17 7 1 1 1 1 1 1 1 15 17 7 1 1 1 1 1 1 1 15 17 7 1 1 1 1 1 1 1 15 17 7 1 1 1 1 1 1 1 15 17 7 1 1 1 1 1 1 1 15 17 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1			1		2
3 3 1 1 1 3 55 1 2 6 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 9 1 1 1 1 1 2 9 1 1 1 2 1 1 1 1 2 2 1 1 1 2 2 1	1	,	1			1		2
60	2	1			-		•	1
60			3		1			5
60			1				3	4
60			1					3
60	6		2			. 1		3
60	/		7	,		1		2
60	8					1		5
1 6 12 8 3 1 18 4 2 9 11 9 10 8 25 7 3 12 12 6 7 3 35 7 4 15 18 12 9 5 33 9 65 15 17 16 7 13 32 10 6 12 17 20 10 14 37 11 7 11 17 18 3 7 26 8 8 3 8 13 7 7 28 6 8 3 8 13 7 7 28 6 8 9 2 7 5 3 2 15 3 70 2 3 13 1 13 3 1 1 4 5 1 1 13 2 2 5 7 1 3 2 1 <					•			6
2 9 11 9 10 8 25 7 3 12 12 6 7 3 35 7 4 15 18 12 9 5 33 9 65 15 17 16 7 13 32 10 6 12 17 20 10 14 37 11 7 11 17 18 3 7 26 8 8 3 8 13 7 7 26 8 8 3 8 13 7 7 28 6 9 2 7 5 3 2 15 3 70 2 3 13 1 13 3 1 1 1 4 5 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 1 13 2 4 2 2 12 1 75 4 1 2 11 1 6 1 1 1 1 1 1 1 6 1 1 1 1 1 7 1 1 1 1 8 2 2 2 2 2 8 1 9 80 1 1 4 1 2 1 3 3 4 85 6 6 7 1 1 8 9 90 Total 93 160 149 64 81 399 94					2	3		27
3 12 12 16 7 3 35 7 4 15 18 12 9 5 33 9 65 15 17 16 7 13 32 10 6 12 17 20 10 14 37 11 7 11 17 18 3 7 26 8 8 3 8 13 7 7 28 6 9 2 7 5 3 2 15 3 70 2 3 13 1 13 3 1 1 4 5 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 13 2 4 2 1 1 1 1 1 1 5 4 1 1 1 1 1 1 1 1 1	1							48
65	2	9				8		72
65						3		75
6						5		92
7 11 17 18 3 7 26 8 8 8 3 8 13 7 7 26 8 9 2 7 5 3 2 15 3 70 2 2 3 13 1 1 13 3 1 15 2 2 5 7 1 3 26 4 4 2 2 12 11 1 1 13 2 1 1 1 1 1 1 1 1 1 1								
8 3 8 13 7 7 28 6 9 2 7 5 3 2 15 3 70 2 3 13 1 13 3 1 1 4 5 1 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 13 2 4 2 2 12 1 3 3 3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>110</td>								110
9 2 7 5 3 2 15 3 70 2 3 13 13 1 13 3 1 1 1 4 5 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 1 13 2 4 2 2 12 1 75 4 1 2 2 11 1 6 1 1 1 1 15 1 7 1 1 1 15 1 7 1 1 1 1 15 1 9 80 1 1 4 1 2 2 8 1 9 80 1 1 4 1 2 3 3 3 4 85 6 6 7 1 8 9 9 90 Total 93 160 149 64 81 399 94	7							82
70 2 3 13 1 13 3 1 1 4 5 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 13 2 4 2 2 12 12 1		3	8					66
1 1 4 5 1 15 2 2 5 7 1 3 26 4 3 1 2 5 1 1 13 2 4 2 2 12 12 1 75 4 1 2 11 1 1 6 1 1 1 1 15 1 7 1 4 1 4 1 8 2 2 2 8 1 9 2 2 8 1 1 1 1 1 1 2 1 3 3 3 3 3 3 4 4 4 4 85 6 7 1 8 9 9 90 90 Total 93 160 149 64 81 399 94		2	7		3			34
2								32
4 2 2 12 1 75 4 1 2 11 1 6 1 1 1 15 1 7 1 1 4 1 4 1 8 2 2 2 8 1 9 2 2 8 1	1	. 1	4	5	_			26
4 2 2 12 1 75 4 1 2 11 1 6 1 1 1 15 1 7 1 1 4 1 4 1 8 2 2 2 8 1 9 2 2 8 1	2	_	5		1			42
75		1	2	5	1			23
6 1 1 1 1 1 15 1 1 4 8 8 2 2 2 2 2 8 1 9 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2					16
7 1 2 2 2 2 8 1 9 2 80 1 4 1 2 1 3 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94								18
8 2 2 2 2 2 8 1 9 2 80 1 4 1 1 1 2 3 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94				1				18
9 80 1 4 1 1 2 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94				•				6
2 1 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94			2	2		2		14
2 1 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94								2
2 1 3 3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94				-		1		2 . 5 2
3 4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94				, 1				4
4 85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94	<u> </u>		1				. 3	4
85 6 7 1 8 9 90 Total 93 160 149 64 81 399 94	3							
6 7 8 9 90 Total 93 160 149 64 81 399 94								
8 9 90 Total 93 160 149 64 81 399 94	85							
8 9 90 Total 93 160 149 64 81 399 94	o			•				1
90 Total 93 160 149 64 81 399 94	/ C			1 · ·				1
90 Total 93 160 149 64 81 399 94	8							1
Total 93 160 149 64 81 399 94	9							
	90							
Samples 1 2 2 1 1 5 1	Total .	93	160	149	64	81	399	946
Samples 1 2 2 1 1 5 1	C 1	•	^	2		•	-	10
	Samples	1	2	2	. 1	. 1	5	12

Table 11. Albacore Length Frequency Distribution, Astoria, September 1968

Length			Ar	ea.			
(cm)	45-124	46-125	46-126	47-125	47-126	47-127	Total
50 1 2 3 4 55 6 7 8 9 60 1 2 3 4 65 6	1 1 1 1 7 12 9	1 1 4 7 9	1 2 3 6 5 11 2 7 8	2 3 2 4 9 7	3 4 7 4 13 12	1 1 1 3 8 12 14 11 13 7 10 5	1 1 1 4 10 16 24 24 35 20 48 55
8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85 6 7 8 9	9 10 5 9 3 4 2 2 1 2 1	4 12 8 13 2 3 1 1 4 1 2	8 5 5 3 2 3 1 1 2	7 10 3 3 8 6 2 4 1 2	8 8 4 4 1 1 1 1	1 1 1	37 48 25 32 14 17 9 7 8 7 4 5 3 1 1
Total	74	73	77	68	74	94	460
Samples	1	1	1	1	1	1	6

Table 12. Albacore Length Frequency Distribution, Newport, July 1968

Length	Area
(cm)	Unknown
60	
1	1
2	4 3
2 3 4 65	3
4	. 2 2 4
65	2
6	4
7	8
8	1 2 1
9	2
70	1
1	
2 3	2
	1
4	1
75	2 1
6	1
7	_
8	1
9	•
80	
Total	36
Samples	. 1

Table 13. Albacore Length Frequency Distribution, Newport, August 1968

Length		Area		
(cm)	43-127	44-125	45-126	<u>Total</u>
50				
1	1			1
	•			•
2 3				
4				
55				
6	2			2
7				
8	1			1
9	1	1		2
60	1		1	2
1	5		2	7
2 3	7	2 2	2 2	11
	6		4	12
4	4	1	6	11
65	4	9	3	16
6	1	7	9	17
7	4	3	9	16
8	5	6	2	13
9	1	3	1	5
70	2	3	1	6
1	_	5	2	7
2	3	_	_	3
3		1	1	2
4		1	1	2
75			1	1
6	•	77	1	1
7 8	1	3		4
8 9	,	1		1 2
	1	1 1		
80 1		1		1
2	1		•	1
3	1			1
4				
85				
0.3				
Total	51	50	46	147
Samples	1	1	1	3

Table 14. Albacore Length Frequency Distribution, Newport, September 1968

Length			Δ	rea			-
(cm)	41-125	44-124	44-125	45-124	47-126	Unknown	Total
50 1 2 3 4 55 6 7 8	1 1 1	77 727	17 720	1 1 5 1 2		1	1 2 6 2 2 2
60 1 2 3 4 65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85 6 7 8 9 9 9 9	1 1 2 2 1 2 2 2 1 1 3 2	1 2 1 3 2 6 6 6 7 5 8 6 3 5 1 1	1 3 2 2 3 6 3 1	3 1 2 1 1 4 1 8 4 3 3 1 4 5 4 4 1 4 6 1 6	2 9 4 7 8 5 1 1	1 1 2 1 1 4 6 2 1 4 1 1 3 1	5 3 4 5 5 5 12 10 12 20 22 8 4 8 11 14 17 13 10 15 19 7 10 6 5 5
Total	32	57	27	81	38	31	266
Samples	1	2	1	2	1	1	8

Table 15. Albacore Length Frequency Distribution, Coos Bay, July 1968

50 1 2 3	43-126	44-125	44-126	Unknown	Total
1 2 3					
1 2 3					
2 3			,		
3				1	1
				-	_
4				1	1
55	1				1
6			1	1	2
7				2	
8	•		2		2 2
9	2	2	1		5
60	. 4	$\frac{1}{2}$		2	7
1	16		7	9	34
2	11	9	10	6	36
3	22	4	8	13	47
4	21	4	12	24 .	61
65	22	12	28	16	78
. 6	20	12	27	23	82
7	24	17	36	13	90
8 9	16 12 .	17 12	34 16	11 7	78 47
70	12 .	10	9	2	32
1	1	5	8	3	17
2	9	6	7	1	23
2 3	5	6	8	•	19
4	4	6	9	2	21
75	4	8	7	2	21
6	2	5	4	1	12
7	1	3	1	1	6
8	3	6	5		14
9	3	1			4
80	1	1	1		3
1		2	1		3
2					
3					
4					
85					
Total	215	151	242	141	749
Samples	3	2	3	2	10

Table 16. Albacore Length Frequency Distribution, Coos Bay, August 1968

Length	Area
(cm)	42 to 44-124 to 126
50	
1 2 3 4	
3	
4	1
55	1 1
6 7	
8	3
9	1
60	. 1
1	2
2	11
3	14
1 2 3 4 65	15
	12
6 7	27
8	20 12
9	10
70	8
	ς
2	5
3	3
1 2 3 4	5 5 3 2 1 2 2
75	1
6	2
7	2 .
7 8	·
9	1 1
80	1
1 2 3	
2	
3	
4	
85	
Total	160
Samples	2

Table 17. Albacore Length Frequency Distribution, Brookings, August 1968

Length	Area 42-124
(cm)	42-124
50	
1	
2	1
1 2 3 4	1
55	1
6	1
7	•
8	
6 7 8 9	
60	
1	
2	
3	1
4	
1 2 3 4 65	
6 7 8 9	
7	2
8	. 1
9	1 1
70	1
1 2 3 4 75	
2	
3	1
4	
75	3
6 7	3
8	1
9	1
80	1
00	
Total	15
Samples	1

Table 18. Albacore Length Frequency
Distribution, Preseason
Cruise of Sunrise, July 1968

Length			Area		
(cm)	42	to	46-125	to	127
55					
6			3		
7					
8			1		
9			3		
60			7		
1			6		
2			16		
1 2 3 4			29		
4			37	,	
65			. 41		
6			31		
7			33		
8			23		
9			13		
. 70			4		
1			1		
2			3		
1 2 3 4			3		
4			2		
75			3		
6 7			3		
7					
8					
9			1		
80					
Total			263		
Samples			1		

Table 19. Albacore Length Frequency Distribution, Astoria, July 1969

Length	Area
(cm)	Unknown
60	
1	2 3
2 3	3
3	6
4	9
65	15
6 7	16
7	10
8	6
9	2 2
70	2
1	1
2	
3	1
4	2
75	3
.6	1
7	2
8	1
9	1
80	
1	1
2 3 4	
4	
85	•
Total	84
Samples	1

Table 20. Albacore Length Frequency Distribution, Astoria, August 1969

Length				Area				
(cm)	45-126	46-126	47-126	47-127	48-127	49-127	Unknown	Total
60				2	2			4
1	2	3	2	2 2	2 3 5			12
2	3	6	5	3	5	1	4	27
3	3	10	7	7	8	2	4	41
4	6	16	10	11	. 14	13	6	76
65	8	18	7	13	12	9	9	76
6	9	15	5	8	9	6	8	60
7	2	17	7	15	6	9	10	66
8	7	12	7	9	5	7	2	49
9	. 2	9	•		5 1	6	$\overline{1}$	19
70	1	6	2	2		2	1	14
1	1	3	1	2 ·		2	4	13
2	4	5	1	2	1		1	14
2 3	3			2 2			1	6
4		5		2	2		2	11
75	1	3		2 1		1		6
6		2	2		1	1		6
7	1	4						5
8								
9		1		1				2
80								
1						1		1
2			1	1				2
2 3								
4								
85							,	
Total	53	135	57	83	69	60	53	510
Camples	1.	2 .	1	1	1	1	1	8
Samples	1	4 .	1	1		1	1	U

Table 21. Length Frequency Distribution, Astoria, September 1969

(cm) 49- 60 1 2 3 4 65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85		·
(cm) 49- 60 1 2 3 4 65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	Length	Area
1 2 3 4 4 65 6 6 7 8 9 70 1 2 2 3 4 4 75 6 6 7 8 9 80 1 2 2 3 4 85 Total	(cm)	49-128
1 2 3 4 4 65 6 6 7 8 9 70 1 2 2 3 4 4 75 6 6 7 8 9 80 1 2 2 3 4 85 Total		
2 3 4 65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85		
65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	1	2
65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	2	2 2 2 1
65 6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	3	2
6 7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	4	1
7 8 9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85		4
9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	6	1
9 70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	7	4
70 1 2 3 4 75 6 7 8 9 80 1 2 3 4 85	8	2 2
1 2 3 4 75 6 7 8 9 80 1 2 3 4 85		2
2 3 4 75 6 7 8 9 80 1 2 3 4 85	70	
75 6 7 8 9 80 1 2 3 4 85		2
75 6 7 8 9 80 1 2 3 4 85	2	1 5 5 4 3 2 1
75 6 7 8 9 80 1 2 3 4 85	3	. 5
6 7 8 9 80 1 2 3 4 85	4	5
6 7 8 9 80 1 2 3 4 85	75	4
8 9 80 1 2 3 4 85	6	3
8 9 80 1 2 3 4 85	7	2
9 80 1 2 3 4 85	8	1 .
80 1 2 3 4 85 Total	9	
1 2 3 4 85 Total	80	3
Total 4		
Total 4	2	2
Total 4	3	
Total 4	4	
	85	
Samples	Total	48
	Samples	1

Table 22. Albacore Length Frequency Distribution, Newport, July 1969

Length	Ar	ea	
(cm)	43-126	43-127	Total
	,		
60	1		1
1 2 3	1		1
2	8	1	9
3	17	· 7	24
4	8	10	18
65	3	11	14
6 7 8	6	17	23
7	4	7	11
8	1	. 2	3
9		3	3
70	1	2 3 2 1	3 3 3 1
1 2 3 4		1	1
2		6	6 2
3		2	2
			_
75		1	1
6			,
7 8		1	. 1
8 -		_	-
9		3	3
80		1 1	. 3 1 1
1 2 3 4		1	1
2			
.3			
4			
85	,		
Total	50	76	126
Samples	1	1	2

Table 23. Albacore Length Frequency Distribution, Newport, August 1969

Length		Are	ea		
(cm)	44-124	45-124	46-126	Unknown	Total
50			4		
1 2 3					
3				1	1
4				-	- .
55					
6					
7					
8			•		
9				1	1
6 0			2 2	. 1	3
1		1	2	1	4
1 2 3		1	1	7	9
3		6	6	7	19
4 65		11	5	3	19
65		5	7	8	20
6		9	3	8 .	20
6 7 8 9		10	5 2	7 3	22
0	1	4 7	1	3	9 9
70	1	2	1	1	3
		4	3	1	8
2			3 3	1	8
3	1	7		ī	9
1 2 3 4		4 7 8		1	9
75	3	6	1.		. 10
6 7	1	9		1	11
7		2			2
8	6	3		2	11
9	2 1	9 2 3 5 3	2		9
80	1	3			4
1 2		1			. 1
2					
3		2			2
4 85	7	2			2 1
85	1				1
Total	16	110	43	55	224
Samples	1	2	1	1	5

Table 24. Albacore Length Frequency Distribution, Newport, September 1969

Length	Area
(cm)	Area 45-125
(CIII)	43-123
65	
	1
6 7 8 9	1
8	1 3
9	3
70	
2	2 4
1 2 3 4	4
4	
75	2 . 1
6 7	· 1
7	2 4
8	4
9	
80	
1 2 3	. 1
2	
3	
4	
85	
Total	25
Samples	1

Table 25. Albacore Length Frequency Distribution, Coos Bay, July 1969

Length		Area		
(cm)	43-126	43-127	44-126	Total
40			,	
60			1	1
1	1		1	1
2	-	2	1	1
3	7	2	2	11
4	8	4	3	15
65	22	5	6	33
6	12	5	5	22
7	15	8	8	31
8	12	5 5 8 2 1	4	18
9	11	1	3	15
70	3		5 .	8
1		2 1	1	3
2	2	1		3
2 3	2		3	5
4	1		1	2
75	1	1	3	5
6		1 2	1	3
7	1	1		2
8	1	_	. 1	3 5 2 5 3 2 2 1
9	_		$\overline{1}$	ī
80		2	-	2
1	1	-		1
2	-		1	1
3			1	•
4				
85				
03				
Total	100	36	50	186
Samples	2	1	1	4

Table 26. Albacore Length Frequency Distribution, Astoria, July 1970

Length			Area		
(cm)	45-126	46-125	46-126	Unknown	Total
54	1			1	2
55	1				1
6	1	1		1	1
7	4	1	1	1 4	6 9
8 9	2	2	1 2		
	4	2 7	2	2 4	10
60	5 15	5	5 5	7	21 32
1	14	s 8	13	14	49
2 3	21	° 11	31	11	74
4	21	12	33	20	74 86
65	19	9	44	18	90
6	23	8	53	14	98
7	11	4	18	10	43
8	8	5	18	4	35
9	12	•	15	2	29
70	5		5	2	12
1	3		8	3	14
2	7	1	15	3 2	25
3	11	2	23	4	40
4	8	1	18	2	29
75	10		11	1	22
6	6		12	2	20
7	6	2	13		21
8	4		6	2 1	12
9	1		3	1	5 5 3
80	. 1		4		5
1	2		1		3
2			3		3
3					
4			1		1
85			1		, 1
6			1		1
7					
Total	226	80	363	131	800
Samples	2	1	3	1	7

Table 27. Albacore Length Frequency Distribution, Astoria, August 1970

Length		A 1	rea		
(cm)	45-125	45-126	46-126	47-126	Total
55					
6					
7	1	4			
8					
9		1	1		2
60		2		1	3
\cdot 1		2	4	4	. 10
2		6	2	1	9
2 3 4	2	2	2 2 3	4	10
	4	10	3	6	23
65	10	9	9	12	40
6	8	10	8	9	35
7	5	5	10	11	31
8	6		2	6	14
9	4	1	1	6	12
70	6 3		4	3	13
1	3		4	3	10
2 3	13	2	4	3	22
3	11		9	7	27
4	7		13	9	29
75	12		7	10	29
6	12		8 -	7	27
7	6		9	10	25
8	5	1	8	8	22
9	2 2		2	3	7
80	2		1 .	1	4
1	1		2	•	3 2 3
2 3	1			1	2
3			2	1	3
4					
85					
Total	120	51	115	126	412
Samples	1	1	1	1	4

Table 28. Albacore Length Frequency Distribution, Newport, August 1970

Longth	Area
Length	Unknown
(cm)	Ulikilowii
60	
1	1
2	1
2 3	. 6
4	1
65	4
6	4
7	9
8	7
9	1
70	3
1	2
2	1
2 3 4	1
4	1 5
75	5
6	
7	
Total	47
Samples	1

Table 29. Albacore Length Frequency Distribution, Astoria, July 1971

Length		Area		
(cm)	44-125	45-125	46-125	Total
55				
6				
7				
8			1	1
9		5	1	5
60	4	4		8
	7	19	4	30
2	26	18	18	62
3	31	25	30	86
4	37	16	40	93
1 2 3 4 65	20	8	23	51
6	6	6	11	23
7	1	1	10	12
8	2	3	5	10
9	2	1	Ü	3
70	2 2 1	1	1	3
	_	1 3 3 3	1	
1 2 3 4		3		4 3 3
3		3		3
4		1		1
75	1	2	1	4
6			1	1
7		5	1	6
8				
9				
80				
1		1		1
2 3				
3				
4				
85				
Total	138	125	147	410
Samples	1	2	1	4

Table 30. Albacore Length Frequency Distribution, Astoria, August 1971

Length		Area		
(cm)	45-124	46-125	47-126	Total
55			4	. 4
6	•		7	•
7				
8			1	1
9	1	1	5	7
60	3	2	3	8
1	3	4	20	27
	3 9	15	26	50
2 3	8	24	17	49
4	3	24	17	44
65	4	11	12	27
6	2	3	5	10
7	3	1	2	6
8	2		1	3
9	5		3	8
70	2	1	1	4
	8 3 4 2 3 2 5 2 2			2
1 2 3	10		1	11
3	4			4
4	4		1	5
75	3		1 2	4
6	4	2	2	8
7	2			5 4 8 2 1
8	•	1		1
9	2	1	1	4
80				
. 1				
1 2 3				
4	1			1
85				
Total	77	90	123	290
Samples	1	1	. 1	3
campics	1	•	•	J

Table 31. Albacore Length Frequency Distribution, Newport, July 1971

Length		Area		
(cm)	44-125	45-124	45-125	Total
(CIII)	11 120	10 14 1	10 140	1000
55	•			
6				
7		1		1
8				
9				
60	2	6	4	12
1	3	12	5	20
2	12	24	8	44
1 2 3 4	21	47	23	91
	16	27	22	65
65	10	18	6	34
6	8	17	6	3 1
7	6	9	2	17
8	5	8		13
9	1 3 2 4	3	1	5
70	3	6	1	10
1 2 3	2	2 3 3	2 5 2	6
2	4	3	5	12
	3		2	8
4	1	4	3	8
75	1	5 2 2 1	1	7
6	1	2	3 3	6
7	•	2	3	5
8	1	1	2	4
9				
80				
1			1	1
2 3			1	1
4				
85				
03				
Total	100	200	100	400
Samples	1	2	1	4

Table 32. Albacore Length Frequency Distribution, Astoria, July 1972

Length	Area
(cm)	Oregon Coas
F.O.	•
50	
1 2 3	
Z 7	1
4	1
55	
6	
7	
8	1
9	4
60	5
	13
1 2 3	32
3	51
4	. 75
65	73
6	83
6 7	52
8	26
9	15
70	8
1	23
2 3	36
3	46
4	63
7,5	48
6	44
7	36
8	28
9	24
80	16
1 2	10
3	3
	2
4 85	1 1
Total	820
IULAI	020
Samples	2

Table 33. Albacore Length Frequency Distribution, Astoria, August 1972

Composition Oregon Coast 50 1 1 2 3 4 55 6 6 7 2 8 9 1 60 2 1 11 2 19 3 42 4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 7 Total 627 <	Length	Area
1 2 3 4 1 55 6 7 2 8 3 9 1 60 2 1 1 11 2 19 3 42 4 4 565 71 6 7 41 8 9 13 70 12 1 1 16 2 2 6 3 3 9 4 4 75 6 7 2 8 8 1 8 9 17 80 8 1 1 2 3 4 2 3 4 4 2 3 4 5 5 7 7 6 7 7 7 7 7 9 8 8 1 1 4 7 8 1 1 4 7 8 9 1 7 8 1 8 1 4 7 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 8 1 8 8 1 8 8 1 8 8 8 1 8 8 8 1 8 8 8 1 8	(cm)	Oregon Coast
1 2 3 4 1 55 6 7 2 8 3 9 1 60 2 1 1 11 2 19 3 42 4 4 565 71 6 7 41 8 9 13 70 12 1 1 16 2 2 6 3 3 9 4 4 75 6 7 2 8 8 1 8 9 17 80 8 1 1 2 3 4 2 3 4 4 2 3 4 5 5 7 7 6 7 7 7 7 7 9 8 8 1 1 4 7 8 1 1 4 7 8 9 1 7 8 1 8 1 4 7 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 1 8 1 8 9 1 7 8 8 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 8 1 8 9 1 8 9 1 7 8 8 8 1 8 9 8 1 8 8 1 8 8 1 8 8 8 1 8 8 8 1 8 8 8 1 8		
4 55 6 7 2 8 3 9 1 1 60 2 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
4 55 6 7 2 8 3 9 1 1 60 2 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
4 55 6 7 2 8 3 9 1 1 60 2 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1
55 6 7 8 9 1 60 2 1 1 11 2 19 3 42 4 45 65 71 6 7 7 41 8 9 13 70 12 1 16 2 2 26 3 3 9 4 4 75 6 7 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 Total 627	3	1
6 7 8 9 1 60 2 1 1 11 2 19 3 42 4 4 5 65 71 6 7 41 8 9 13 70 12 1 16 2 2 6 3 3 9 4 4 75 39 6 77 29 8 18 9 17 80 8 1 1 2 3 4 85 Total 627	55	1
7 8 9 1 60 2 1 1 11 2 19 3 42 4 4 55 55 71 6 7 41 8 9 13 70 12 1 16 2 2 6 3 3 9 4 4 75 39 6 77 29 8 18 9 17 80 8 1 1 2 3 4 85 Total 627	6	
8 3 9 1 60 2 1 11 2 19 3 42 4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 1 Total 627	7	2
9 60 2 1 1 11 2 19 3 42 4 4 565 71 6 7 6 7 41 8 14 9 13 70 12 1 16 2 2 6 3 3 9 4 4 75 39 6 77 29 8 9 17 80 8 1 1 2 3 4 2 3 4 2 85 Total 627	8	3
60 2 1 11 2 19 3 42 4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 1 Total 627	9	1
1 11 2 19 3 42 4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 1 Total 627		2
2 19 3 42 4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 42 3 4 2 85 Total 627	1	11
4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 42 3 4 2 85 Total 627	2	19
4 45 65 71 6 76 7 41 8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 42 3 4 2 85 Total 627	3	42
65 71 76 76 77 41 8 14 9 13 70 12 1 16 2 26 3 39 4 75 39 6 27 7 29 8 9 18 9 17 80 8 1 2 3 4 2 85 Total 627	4	
6 7 7 8 9 13 70 12 1 16 2 2 6 3 4 75 39 6 27 7 29 8 9 18 9 17 80 1 2 3 4 2 3 4 2 85 Total 627	65	71
7 8 9 13 70 12 1 16 2 26 3 39 4 75 39 6 27 7 29 8 18 9 17 80 8 1 2 3 4 2 85 Total 627	6	76
8 14 9 13 70 12 1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 1 Total 627	7	
9 70 12 1 1 16 2 26 3 4 44 75 6 27 7 29 8 9 18 9 17 80 1 2 3 4 2 3 4 2 85 Total 627	8	14
70 1 1 1 16 2 26 3 39 4 75 6 27 7 29 8 9 18 9 17 80 8 1 2 3 4 2 3 4 2 85 Total 627	9	13
1 16 2 26 3 39 4 44 75 39 6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 4 2 85 5	70	12
75 6 27 7 29 8 9 18 9 17 80 8 1 2 3 4 2 3 4 2 85 Total 627		16
75 6 27 7 29 8 9 18 9 17 80 8 1 2 3 4 2 3 4 2 85 Total 627	2 .	
75 6 27 7 29 8 9 18 9 17 80 8 1 2 3 4 2 3 4 2 85 Total 627	3	
6 27 7 29 8 18 9 17 80 8 1 4 2 4 3 4 2 85 Total 627		
7 8 9 17 80 8 1 2 4 2 3 4 2 85 Total 627	75	
8 18 9 17 80 8 1 4 2 4 3 4 85 Total 627	6	27
9 17 80 8 1 4 2 4 3 4 2 85 Total 627	7	
80 8 1 4 2 4 3 4 85 2 Total 627	8	18
1 4 4 4 3 4 4 85 Total 627	9	17
2 4 3 4 2 85 Total 627		
3 4 2 85 Total 627	1	4
4 2 85 Total 627	2	4
85 Total 627	3	2
Total 627	4	2
	85	
Samples 2	Total	627
	Samples	2

Table 34. Albacore Length Frequency Distribution, Astoria, September 1972

		rea	
Length	Oregon	British	
(cm)	Coast	Columbia	Total
53		•	
4		1	1
55	1	•	1
6	•	1	1
7		1	1
8	1	3	4
9	1	7	8
60		3	3
1	2	11	13
2	4	7	11
3	6	22	28
4	2	33	35
65	11	48	59
6	17	45	62
7	13	28	41
8	12	38	50
9	7	36	43
70	2	64	66
1	4	100	104
2	6	136	142
3	8	200	208
4	20	174	194
75	18	194	212
6	15	181	196
7	24	125	149
8	25	94	119
9	11	63	74
80	7	24	31
1	3	24	27
2	6	5	11
3	3	3	. 6
4	6	4	10
85	•	3	3
6	1	-	1
7	. —	1	1
8		_	_
9			
90			
Total	236	1,678	1,914
Samples	1	· 5	6

Table 35. Albacore Length Frequency Distribution, Newport, July 1972

	· Area					
Length (cm)	44-124	44-126	45-125	Oregon Coast	Total	
(cm) 55 6 7 8 9 60 1 2 3 4 65 6 7 8 9 70 1 2 3 4	1 4 1 10 3 4 3	1 2 1 7 2 13 24 21 14 15 6 5 2 4 5	1 1 1 3 2 7 22 23 17 11 5 4 2 5 7	Coast 4 3 12 8 7 4 4 1 4 2 2 3	1 1 1 3 1 10 9 27 59 62 41 34 18 10 9 13	
75 6 7 8 9 80 1 2 3 4 85 6 7	9 4 9 9 4 6 3	6 8 10 8 3 3 2 3	20 12 18 10 12 5 5 2 1	5 9 4 6 4 4 6 1	40 33 41 33 23 18 14 5 5 2 1 1 3	
9 90 Total Samples	85	181	217 4	94 1	577 8	

Table 36. Albacore Length Frequency Distribution, Newport, August 1972

Length		Area							
(cm)	42-127	44-125	44-126	45-126	46-124	46-126	Total		
53			1				1		
4			2				1		
55			2						
6			2				2		
7			1				1		
8	1		2				2 1 3 2 4		
9	1					1	2		
60	3		1				4		
1	4	. 1	1				6		
2	6		4			2	12		
3	6.		2			2	10		
4	11	7	7 :			5	30		
65	23	8	9	1		12	53		
6	22	7	16	1		13	59		
7	10	25	12	. 2		6	55		
8	3	2	13	2		8	26		
9	4	9	11	2		2	28		
70	1	6	3			3	13		
1 2		1 4	2 6	4		1 1	4 15		
3	1	3	0	4 2		4	10		
4	1 3	5	5	7	2	5	27		
7 5	1	<i>3</i> 7	11	7	1	4	31		
6	2	11	11	7	3	3	37		
7	3	16	7	21	3	2	52		
8	4	13	,	14	1	5	37		
9	2	5	8	9	3	1	28		
80	1	12	7	7	1	3	31		
1	ī		5	1	2	1	15		
2	4	5 5 5	1	6	2	1	19		
3		5			2 2	1	8		
4		1	2				8 3		
85					,				
6		1					1		
7	•								
Total	117	159	152	91	20	86	625		
Samples	1	2	2	1	1	1	8		

Table 37. Albacore Length Frequency Distribution, Newport, September 1972

Length	Area
(cm)	British Columbia
60	
2	4
3	7
1 2 3 4	8
65	14
6	25
7	14
8	5
9	4
70	2
	_
1 2 3 4 75	
3	
4	1
75	1 3
6	
6 7 8	
8	
9	
80	. 1
1	1
2	
2 3 4	
	1
85	
Total	90
Samples	1

Table 38. Albacore Length Frequency Distribution Coos Bay, August 1972

			Area			
Length					Oregon	
(cm)	42-127	43-126	44-126	44-127	Coast	Total
54			1			1
55						_
6						
7						
8						
9	1					1
60					1	1
1	1	1	1			. 3
2		1	. 1	1	2	3 5
3	1	2	2	1	2	8
4	1	1	1	3	3	9
65	7	4	12	2	11	36
6	17	8	18	3	15	61
7	12	10	19	2	14	57
8	. 8	6	9	4	16	43
9	5	3	9	3	3	23
70	5	1		1	2	9
1	1		3	1		5
2	,					
3	1	4	. 3	2	4	14
4	1	10	2	1	2	16
75	5	5	3	1	10	24
6	1	9	7	4	8	29
7	1	9	2	2	5	19
8	4	7	11	10	8	40
9	3	7	3	4	10	27
80	4	6	3	3	7	23
1	1	3	3		3	10
2	_		3	2	2	7
3	1	2	2		4	9
4		2	1		2	5 1
85					1	1
6 7					1	1
Total	81	101	119	50	136	487
Samples	, 1	2	2	1	2	8

Table 39. Albacore Length Frequency Distribution, Coos Bay, September 1972

Length (cm)		Area 44-125
55		
6		
7		2
8		2
9		3
60		2
1	•	1
2		1 2 5 4
3		۷ 5
2 3 4		, 3
65	•	11
6		18
6 7		. 11
8		3
9		6
70		
1		1
2		10
3		6
2 3 4	•	3
75		12
6		8
7		1
8		3
9		2
80		3 2 2
1		
2		1
2 3		1
4		-
85		
Γotal		118
Samples		2

Table 40. Albacore Length-Frequency Distribution in Percentage by Month and Year, 1968-72

Length		1968			1969	
(cm)	July	Aug.	Sept.	Jul	y Aug.	Sept.
50 1		0.2				
2 3	0.1	0.1				
		0.5	0.3		0.1	
4	0.1	0.4 0.4	0.3			
55 6	0.1 0.5	0.4	0.8 0.4			
7	0.3	0.3	0.4	•		
8	0.5	0.7	0.4			
9	0.9	0.7	0.6		0.1	
60	1.7	2.4	2.1	0.	5 1.0	
1	4.0	4.5	2.6	1.		2.7
2	5.6	7.4	3.9	3.		2.7
3	7.6	8.0	4.0	10.		2.7
4	10.4	9.3	5.5	10.		1.4
65	11.9 11.4	10.1 12.1	4.4 8.0	15. 15.		5.5 2.7
6 7	12.1	9.5	9.2	13.		6.9
8	9.0	7.3	7.9	6.		4.1
9	5.8	3.9	9.6	5.		6.9
70	3.7	3.7	4.5	3.	3 2.3	
1	1.9	3.0	5.0	1.		6.9
2	2.3	3.9	3.0	2.		4.1
3	1.9	2.3	3.9	2.		12.3
4	1.8	1.6	3.2	1.		6.9
75 6	2.3 1.4	1.6 1.9	3.3 2.9	2. 1.		8.2 5.5
7	0.8	0.9	2.3	1.		5.5
8	1.1	1.3	2.6	0.		6.9
9	0.4	0.5	3.3	1.		
80	0.3	0.5	1.4	0.		4.1
1	0.2	0.1	1.5	. 0.		1.3
2		0.4	1.0	0.	2 0.3	2.7
3			0.8		0.7	
4			0.7		0.3	
85			0.1		0.1	
6 7		0.1				
8		0.1				
9			0.1			
90			- • -			
No. of Fish						
Sampled	1,335 1,	268	726	396	734	73

Table 40. Continued

Length		70		971		1972	
(cm)	July	Aug.	July	Aug.	July	Aug.	Sept.
50							
1							
2						Т	
3					0.1	Ť	
4	0.2				0.1	0.2	0.1
55	0.1			1.4			0.1
6	0.1					0.1	0.1
7	0.8		0.1		0.1	0.2	0.1
8	1.1		0.1	0.3	0.1	0.4	0.2
9	1.2	0.4	0.6	2.4	0.4	0.2	0.5
60	2.6	0.7	2.5	2.8	0.6	0.4	0.2
1	4.0	2.4	6.2	9.3	1.0	1.1	0.7
2	6.1	2.2	13.1	17.2	3.0	2.1	0.8
3	9.3	3.5	21.8	16.9	4.3	3.5	1.9
4	10.8	5.2	19.5	15.2	7.3	4.8	2.2
65	11.3	9.6	10.5	9.3	9.4	9.2	4.0
6 .	12.3	8.5	6.6	3.4	10.4	11.3	4.9
7	5.4	8.7	3.6	2.1	6.6	8.8	3.1
8	4.4	4.6	2.8	1.0 2.8	4.3 2.4	4.8 3.7	2.7
9 70	3.6 1.5	2.8 3.5	1.0 1.6	1.4	1.3	2.0	2.5 3.2
1	1.8	2.6	1.2	0.7	2.3	1.4	4.9
2	3.1	5.0	1.9	3.8	3.5	2.4	7.2
3	5.0	6.1	1.4	1.4	4.5	3.6	10.1
4	3.6	6.5	1.1	1.7	7.5	5.0	9.3
75	2.8	7.4	1.4	1.4	6.3	5.4	10.7
6	2.5	5.9	0.9	2.8	5.5	5.3	9.6
7	2.6	5.4	1.4	0.7	5.5	5.8	7.1
8	1.5	4.8	0.5	0.3	4.4	5.5	5.7
9	0.6	1.5		1.4	3.4	4.1	3.6
80	0.6	0.9			2.4	3.6	1.6
1	0.4	0.7	0.1		1.7	1.7	1.3
2	0.4	0.4	0.1		0.6	1.7	0.5
3	0.1	0.7		0.7	0.5	1.0	0.3
4	0.1			0.3	0.2	0.6 T	0.5
85	0.1				$0.1 \\ 0.1$	0.1	$0.1 \\ 0.1$
6 7	0.1				0.1	0.1	0.1
8					0.2		0.1
9							
90							
No. of F	ish						
Sampled		459	810	290	1,397 1	,739	2,122
Sampred	800	433	010	430	1,33/ 1	, / 33	6,144

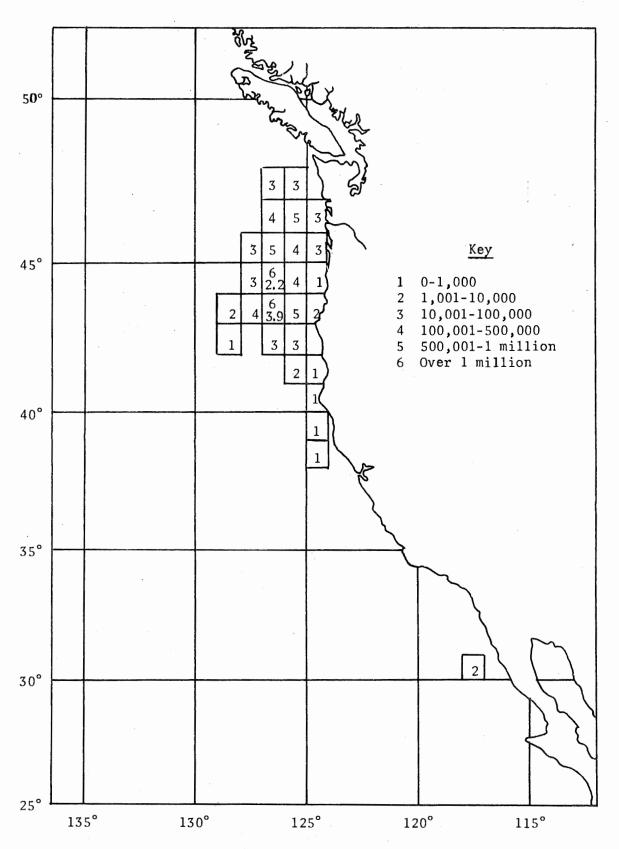


Figure 1. Catch Localities for Pacific Albacore, July 1968

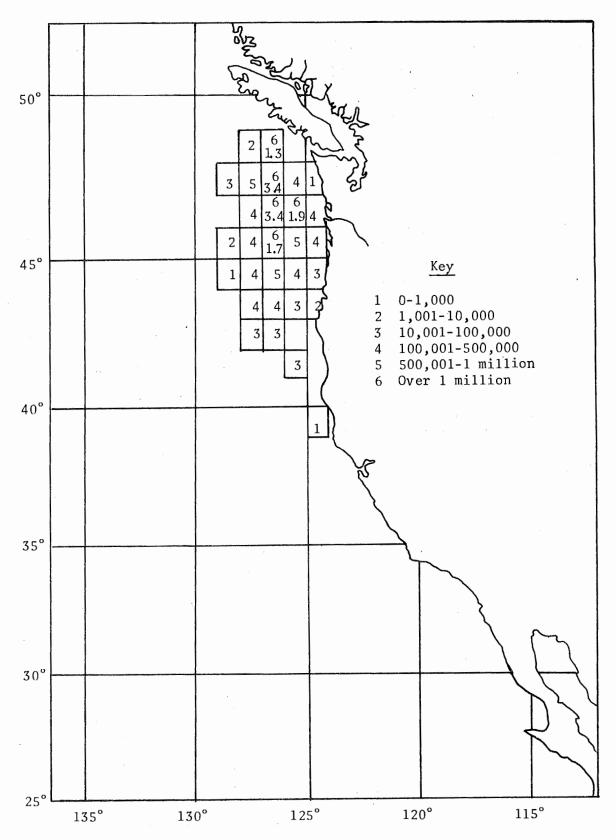


Figure 2. Catch Localities for Pacific Albacore, August 1968

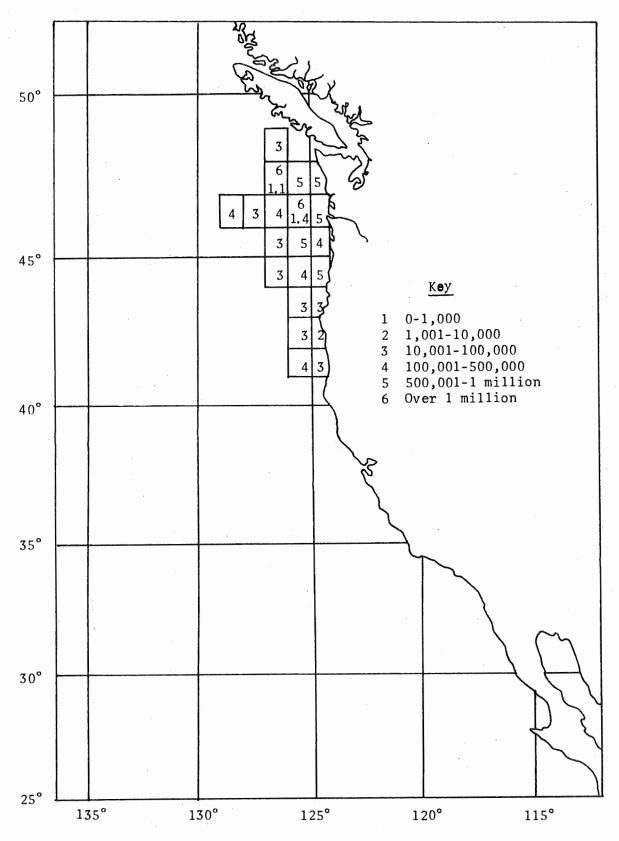


Figure 3. Catch Localities for Pacific Albacore, September 1968

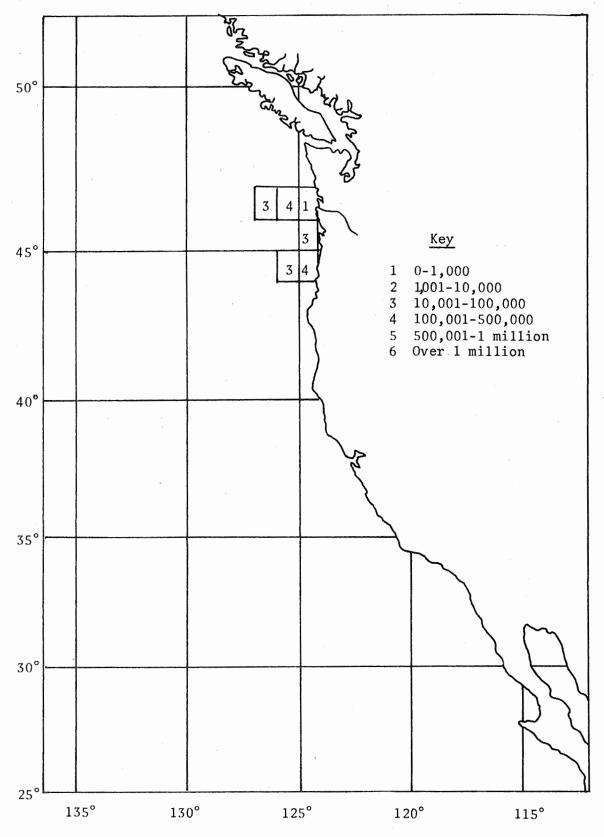


Figure 4. Catch Localities for Pacific Albacore, October 1968

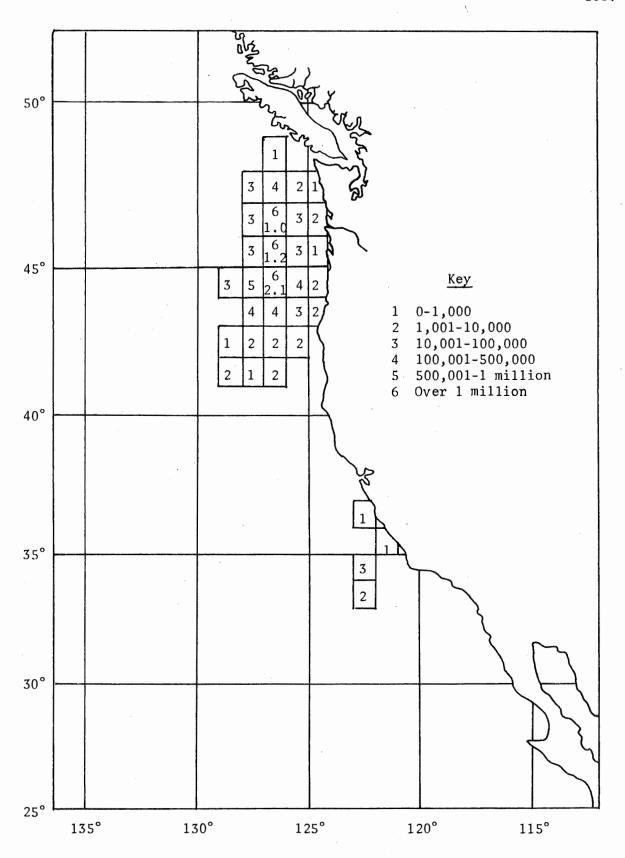


Figure 5. Catch Localities for Pacific Albacore, July 1969

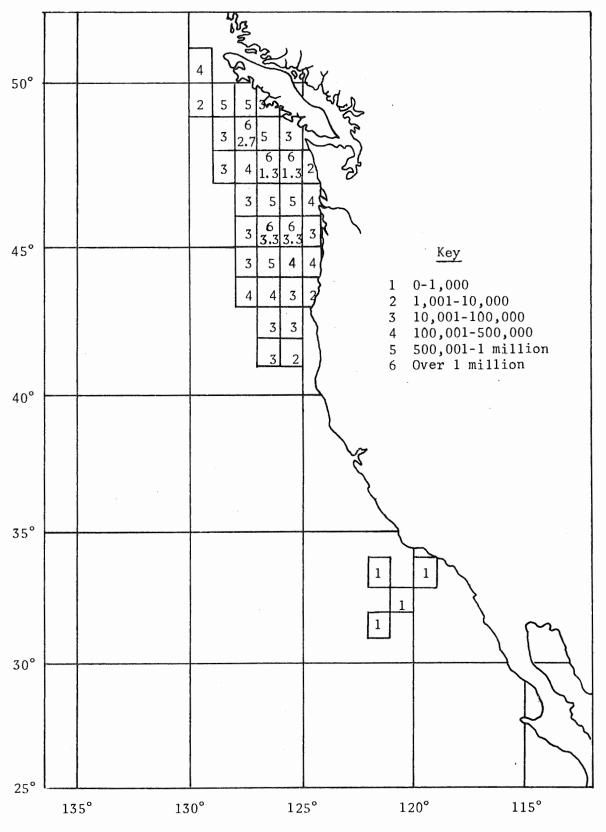


Figure 6. Catch Localities for Pacific Albacore, August 1969

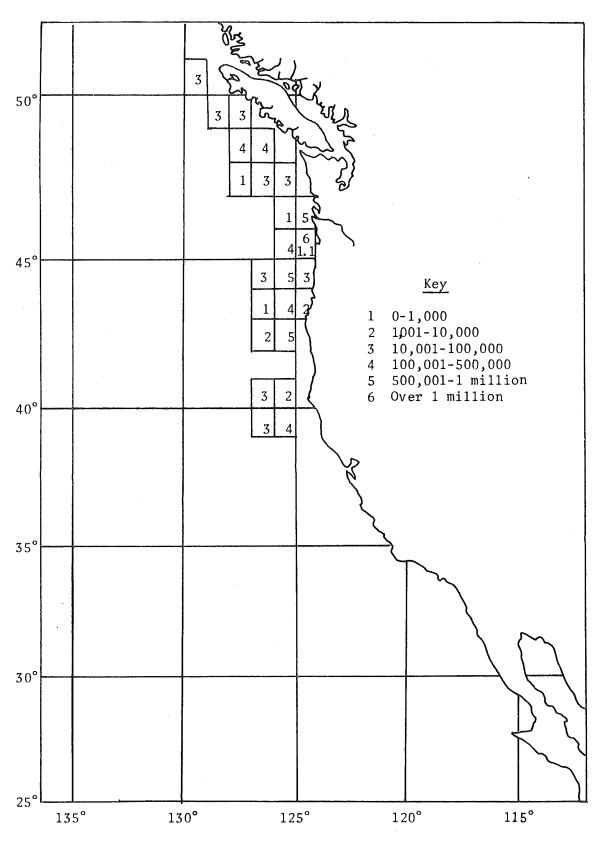


Figure 7. Catch Localities for Pacific Albacore, September 1969

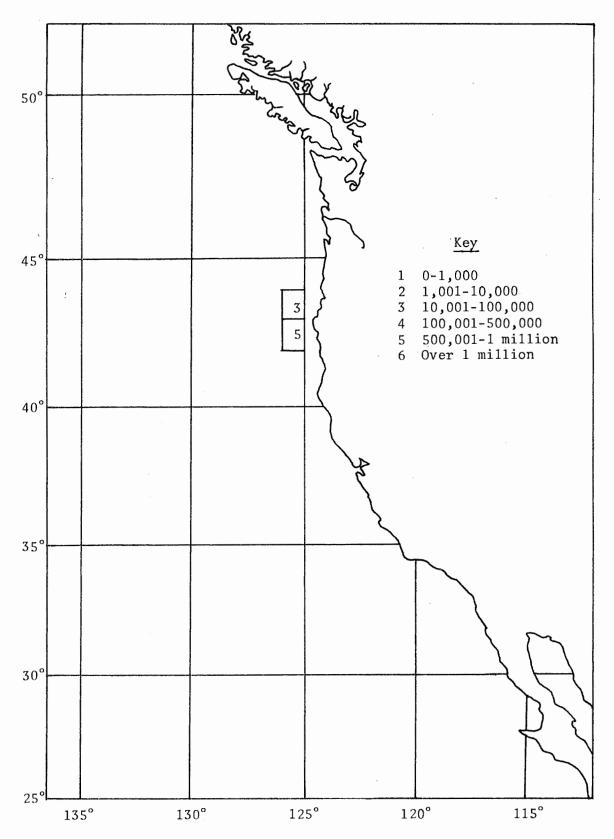


Figure 8. Catch Localities for Pacific Albacore, October 1969

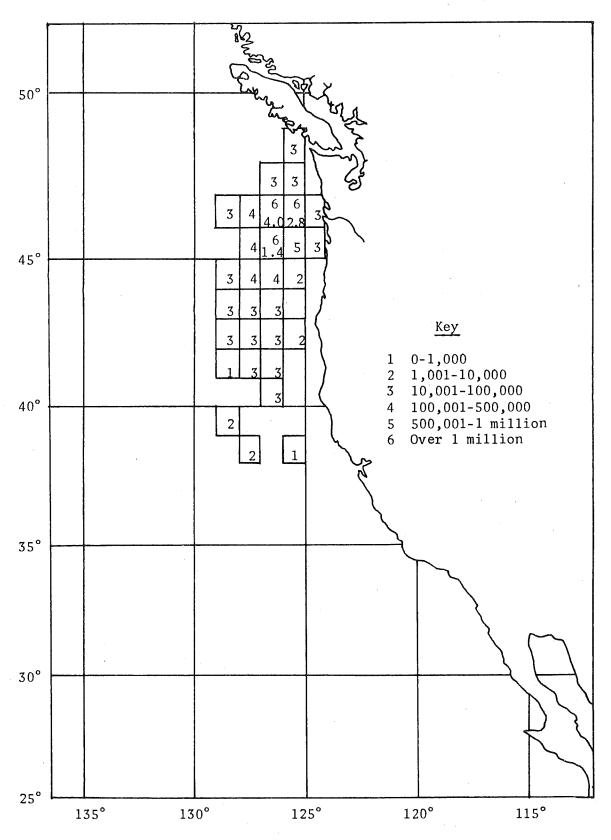


Figure 9. Catch Localities for Pacific Albacore, July 1970

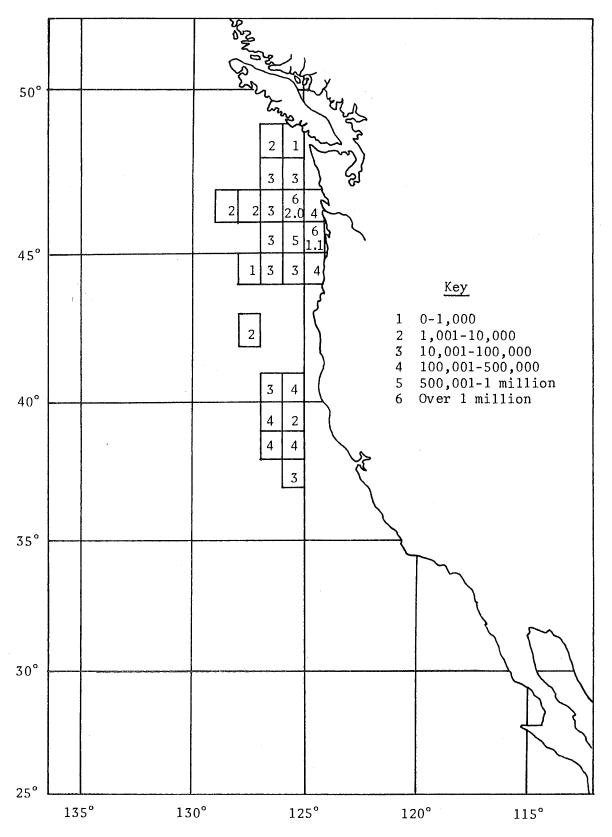


Figure 10. Catch Localities for Pacific Albacore, August 1970

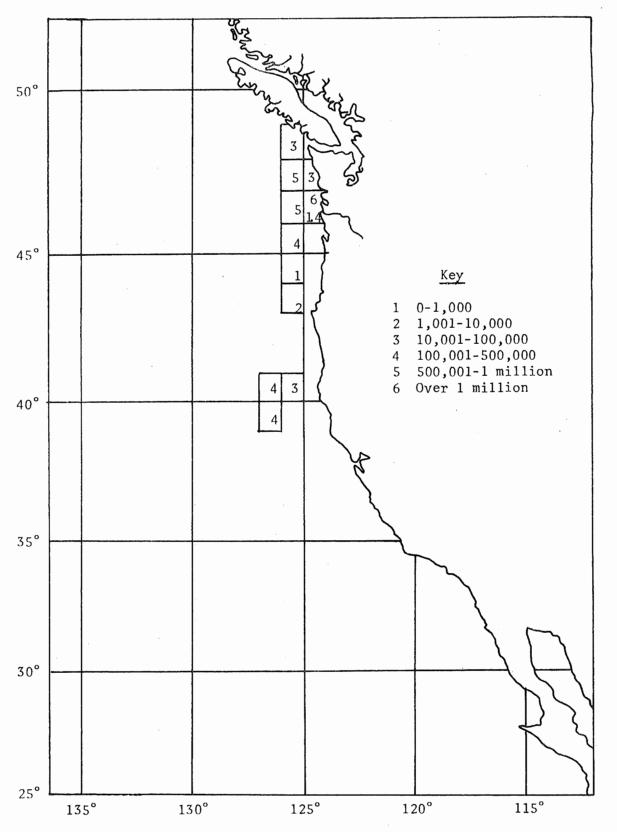


Figure 11. Catch Localities for Pacific Albacore, September 1970

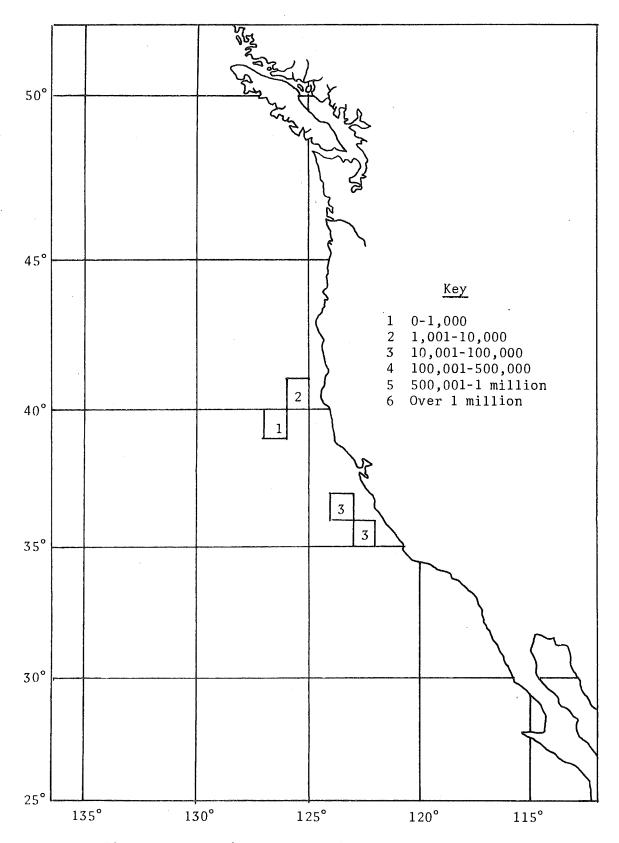


Figure 12. Catch Localities for Pacific Albacore, October 1970

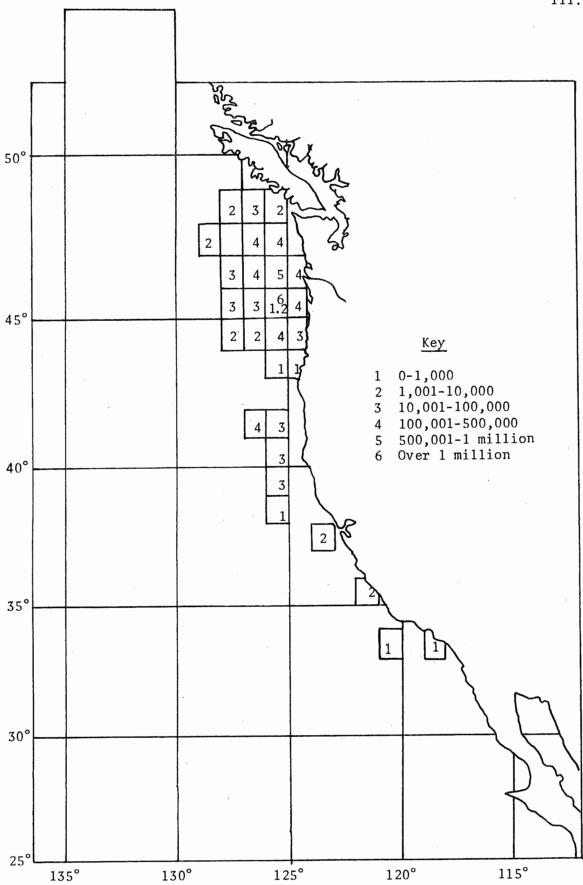


Figure 13. Catch Localities for Pacific Albacore, July 1971

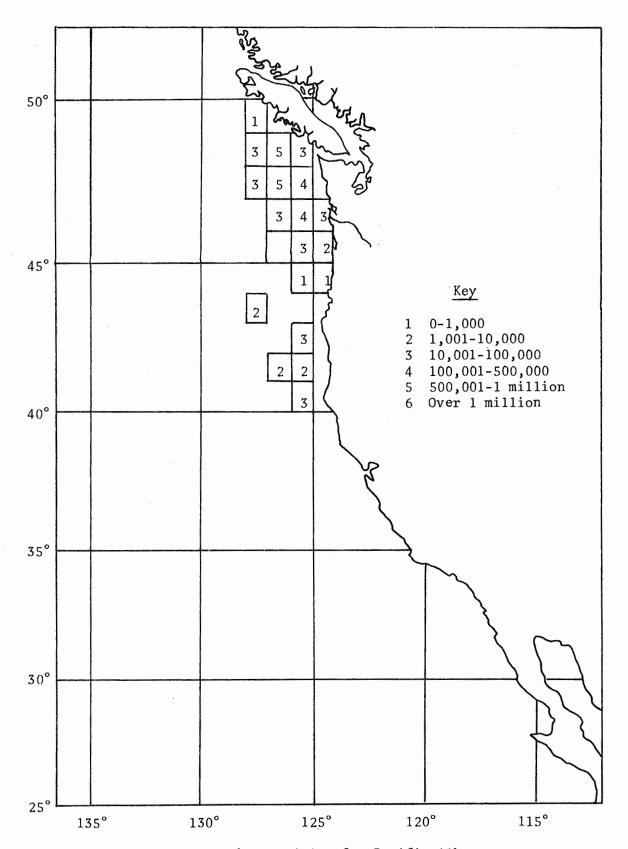


Figure 14. Catch Localities for Pacific Albacore, August 1971

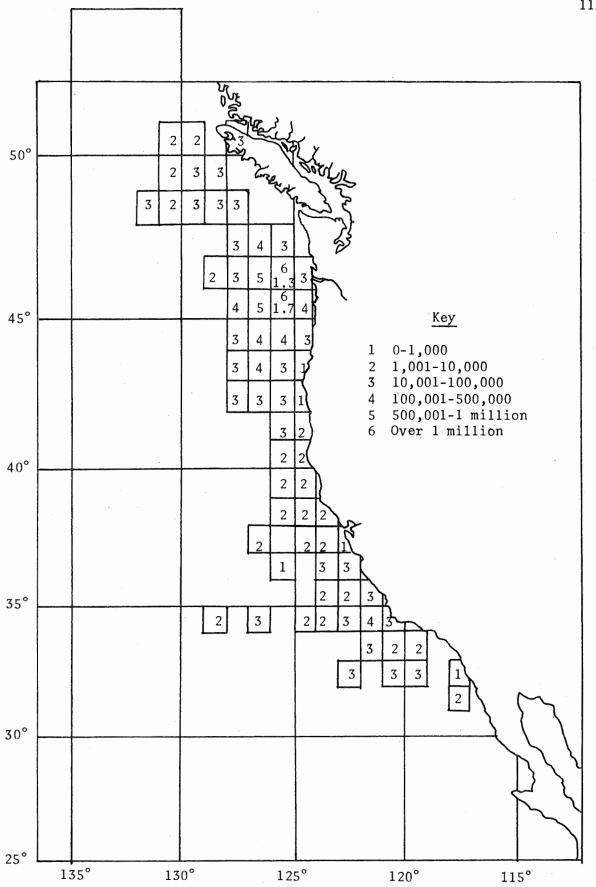


Figure 15. Catch Localities for Pacific Albacore, July 1972

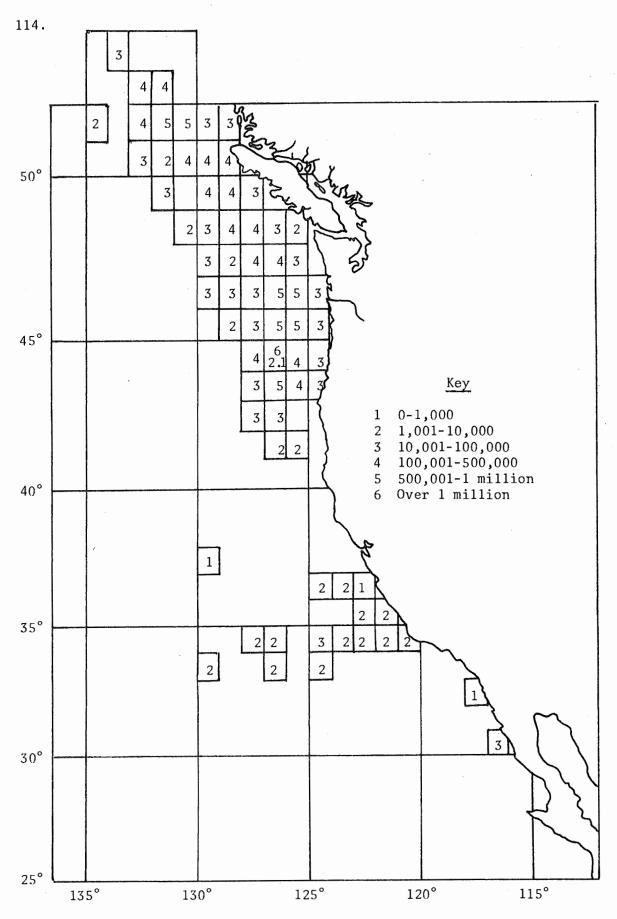


Figure 16. Catch Localities for Pacific Albacore, August 1972

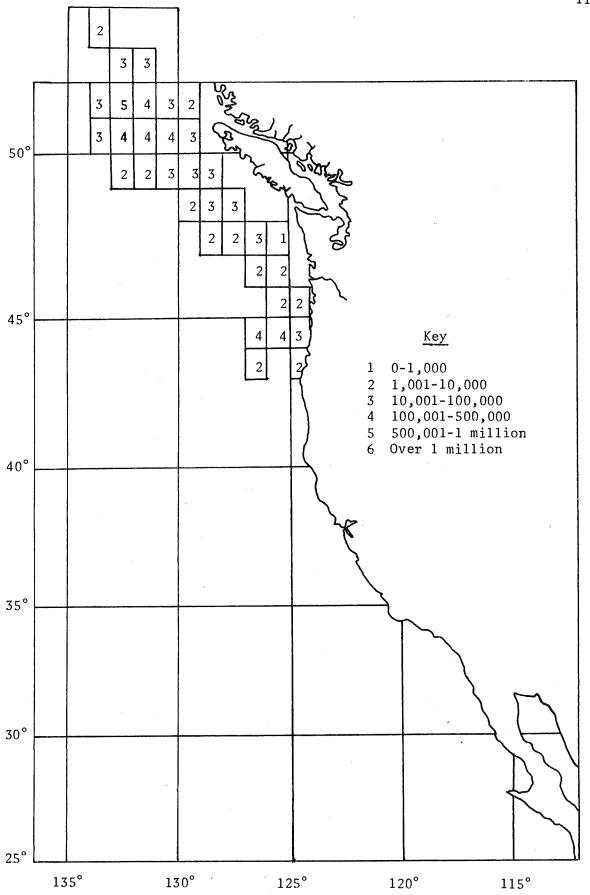


Figure 17. Catch Localities for Pacific Albacore, September 1972

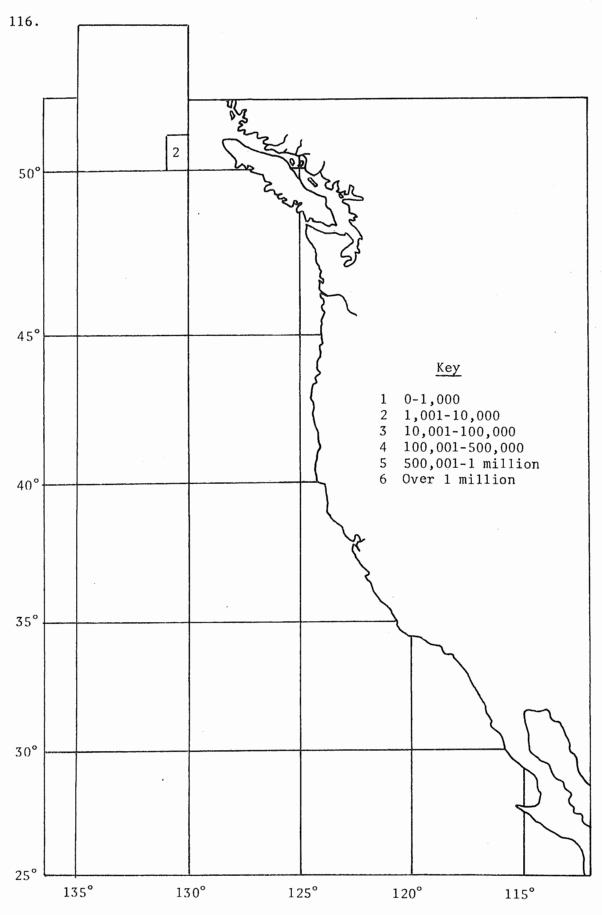


Figure 18. Catch Localities for Pacific Albacore, October 1972

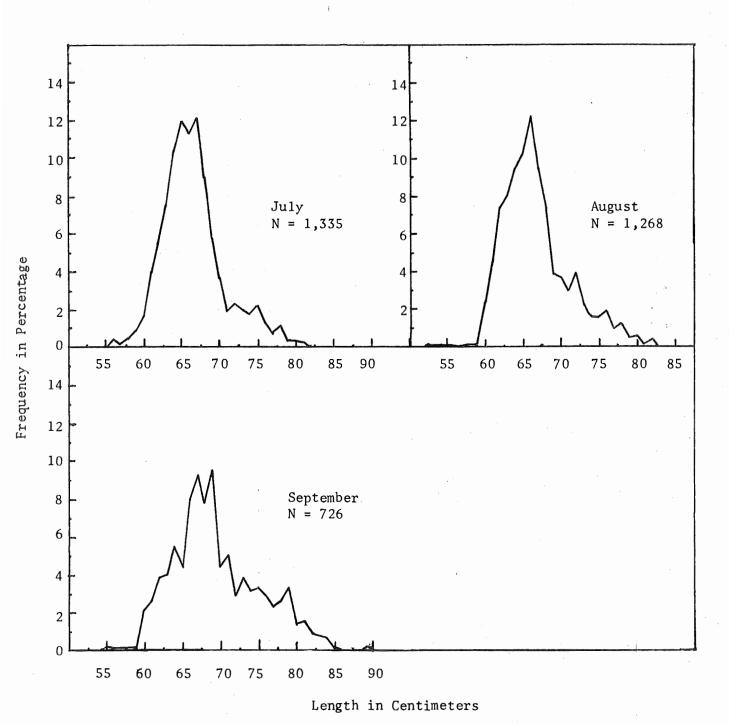


Figure 19. Albacore Length-Frequency Distribution by Month, 1968

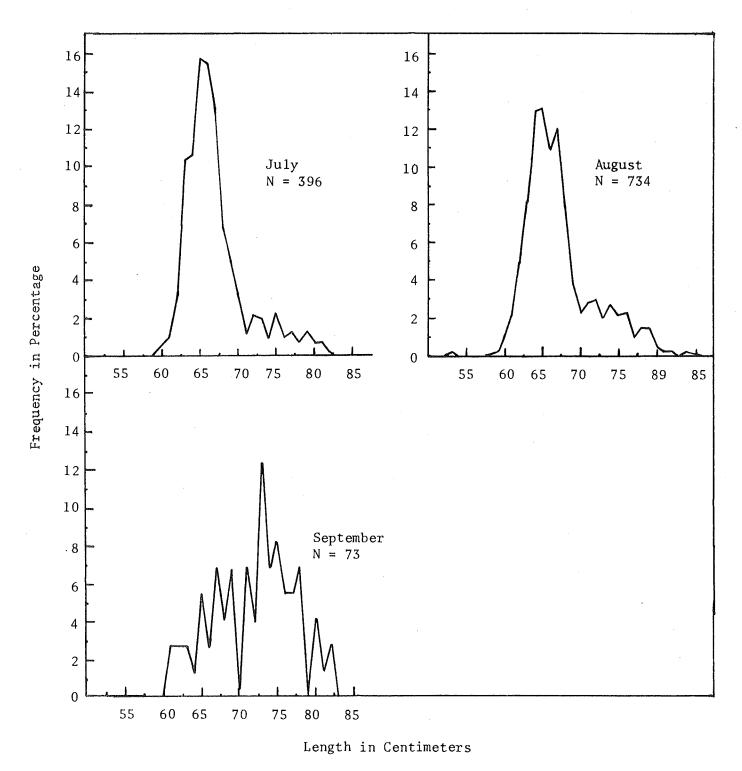


Figure 20. Albacore Length Frequency Distribution by Month, 1969

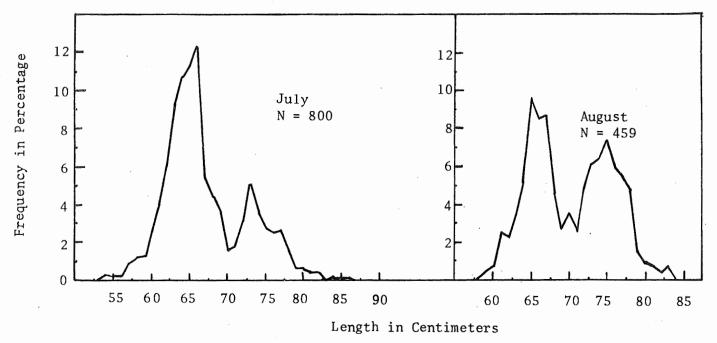


Figure 21. Albacore Length-Frequency Distribution by Month, 1970

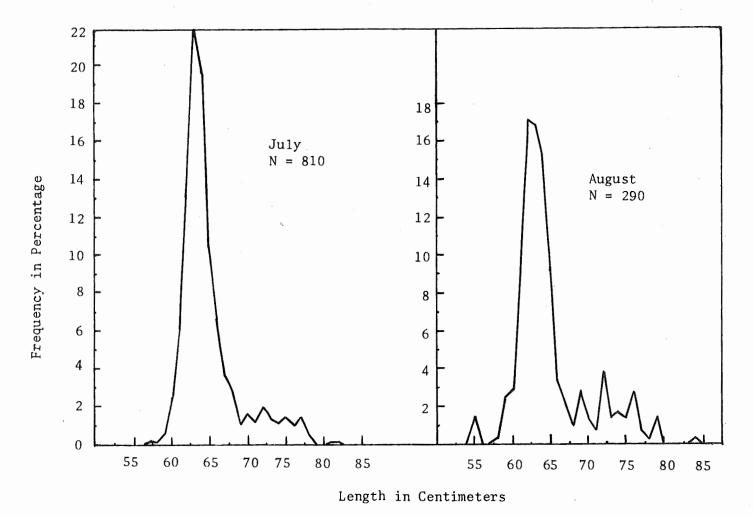


Figure 22. Albacore Length-Frequency Distribution by Month, 1971

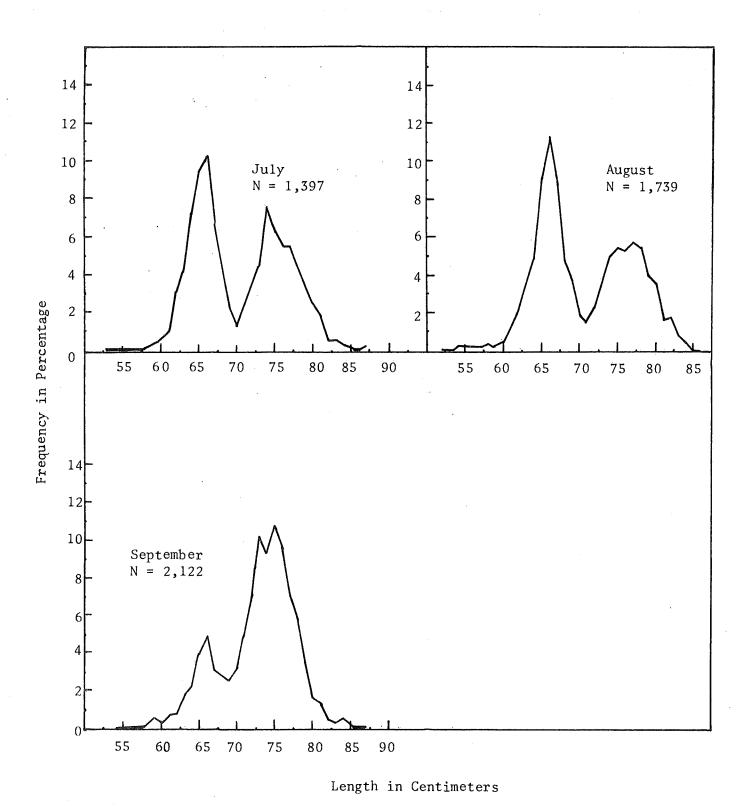


Figure 23. Albacore Length-Frequency Distribution by Month, 1972