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## **Chesapeake Bay Status of Stocks Report 1990 - 1991: Virginia and Maryland juvenile finfish data young-of-the-year indices**

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# Chesapeake Bay Status of Stocks Report 1990 - 1991

**Chesapeake Bay Stock Assessment Committee**

**Virginia and Maryland Juvenile Finfish Data  
Young-of-the-Year Indices**

**Prepared by**

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Gloucester Point, VA. 23062**

**Cooperative Agreement No. NA90AA-H-FM770  
Status of Stocks Logistics Support Project**

**Special Report in Applied Marine Science  
and Ocean Engineering No. 316**

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## STATUS OF STOCKS KNOWLEDGE

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### Introduction

This is the fifth and last report in a series of documents prepared for the Chesapeake Bay Stock Assessment Committee (CBSAC) under the aegis of Status of Stock Knowledge. The first was a report prepared by the Status of Stocks Knowledge Work Group of CBSAC (Austin and Furman, 1987), which:

1. identified important finfish and shellfish stocks in the Chesapeake Bay,
2. identified information needs for stock assessment, and
3. summarized the current status of information relative to identified needs and identified information gaps.

The format for the report was a matrix of important species and needed stock-management information, and a bibliography by species, citing those references that composed the matrix. This matrix has been used widely, including various Chesapeake Bay fisheries management documents.

This report was followed by a Status of Stocks Report (Austin, Furman and Scoles 1988), which was initially to have been an annual status of Chesapeake Bay stocks, much as the Northeast Fisheries Center's (NMFS) annual Status of Fishery Resources off the Northeastern United States Report which provides an annual assessment of the stocks, including landings, recruitment and other relevant biological information. This report was superseded however, by a document prepared by the Maryland DNR and Virginia MRC entitled, Chesapeake Bay Fisheries: Status, Trend, Priorities and Data Needs (Jones, et al 1988).

While CBSAC looked favorably on the Status of Stocks report, it was the joint Maryland-Virginia funded Chesapeake Bay Fisheries document that was printed and circulated in lieu of the CBSAC funded Status of Stocks report. CBSAC was reorganized in 1989 and the Status Stocks Knowledge Work Group ceased to exist although a third year of work was funded, to continue work on the juvenile finfish indices.

Austin and Bonzek (1990) produced a report, Chesapeake Bay Status of Stocks Report, 1988-1989: Virginia Juvenile Finfish Trawl Data, that tabulated Virginia trawl data expressed as CPUE (catch per minute of tow) for all species collected throughout the period of the survey (1954-1989). The data were presented both as actual CPUE and as log transformed CPUE.

In February, 1990 CBSAC published the 1988 report as a NOAA Technical Report (NOAA TRS-90-1), and in June, 1990 as the 1989 Annual Report which included the matrix.

The purpose of the fourth and fifth years was to provide:

1. an annual updated graphic presentation of commercial landings in the two states,
2. tabular juvenile index data, and
3. selection of the best "juvenile index" for each species, and its graphic presentation with the landings data (much as the NMFS Status of Fisheries Resources).

These data are the basis for this report.

#### Commercial Landings

The original source of the commercial landings is the Chesapeake Bay Program Data Center. However, because of annual end-of-the-year updates to the data by Maryland and Virginia's resource management agencies, and slow submission of data from the states to NMFS, then to the data center, it has been necessary to get the annual updates directly from MdDNR and VMRC. These data have generally been available by June of the following year. Late reports continue to come in, but change the totals only slightly.

## Juvenile Indices

### Maryland

#### 100 ft Beach Seine:

The Maryland juvenile index is derived from three summer month (July-September) 100 ft beach seine surveys in the Maryland tributaries to the Bay. The primary objective is to provide a relative annual measure of juvenile striped bass recruitment in Maryland (Cosden and Schaefer 1989). Species taken in addition to striped bass are enumerated. The juvenile index is calculated as the average catch for the three summer months each year. This survey has been conducted annually since 1954. Because of the summer-only collection dates, and shallow beach locations of the survey, some species, such as summer flounder and croaker are not collected consistently. Consequently, the index for such species is discontinuous, and compared to the Virginia trawl index, is not useful. Other species, such as mummichog, menhaden and bluefish, lend themselves well to the gear and provide a better index than the Virginia trawl index.

Fish of all sizes are reported in the index. This does not pose a problem however, as generally only the smaller, young-of-the-year are collected in the seine.

The data are available from the Maryland DNR in Annapolis or the EPA Bay Program Computer Center, also in Annapolis.



## Virginia

### 30 ft Trawl:

Virginia's index is computed from year-round monthly trawl surveys in the Virginia tributaries of the Bay (James, York, Rappahannock). CPUE are reported monthly by river (Austin and Bonzek 1990). These data are the average of all stations along the length of each river. Documentation of the gear, vessels, tow direction and other pertinent variables are reported in a series of reports starting in 1988 with a main stem Bay volume (Wojcik and van Engel 1988). Currently, an annual report that details methods, station location, environmental data, catch CPUE, and length frequencies is prepared each year during the first quarter (e.g. Bonzek, et al 1991). Recruitment by different species occurs at different times of the year. Some species are represented every month, others by seasonal summer peaks, or by seasonal winter peaks which span two calendar years. We believe a simple calendar year index is misleading for some species, particularly those whose young-of-the-year first appear in the late fall (e.g. croaker) and continue on into spring of the following calendar year. The data are reported here both as the index and as log transforms as it has been shown that biological abundance numbers exhibit a negative binomial distribution (Colvocoresses and Austin 1987).

The initial effort to develop a standard index for each species was directed at using several references in addition to discussions with VIMS ichthyologists to arrive at a "cut-off" length for young-of-the-year for each of the major species (Austin et al 1990). Fish greater than this

length were designated as yearling, or 1<sup>+</sup>. In most cases, only young-of-the-year and yearling fish were taken in the trawl surveys as older/larger fish either are not resident in the tributary, are in the Bay, or avoid the trawl. In some instances, for example white perch and summer flounder, older larger fish are taken, but these are generally in such small numbers as not to exceed 10 % of the reported yearling fish.

In order to determine the "index-of-choice" for each species in 1989 we initiated regression analyses of the transform of the young-of-the-year against the yearling abundance. Regressions were run with a calendar year, biological year, peak two month period, and all months with a log value >0.03 index. While this gave us a quantifiable and repeatable method for arriving at an index each year it was unsatisfactory as many of the regression indices were nonsignificant.

One author (Bonzek) developed a program that gave monthly length frequencies (Bonzek et al 1991) for each species. From these frequencies it was possible to follow young-of-the-year from their "arrival" in the survey data until such time as they migrated from the Bay, or grew to yearlings (Figures 1-15). Of greatest significance was the fact that the length frequencies allowed a floating size range for young-of-the-year and yearlings that could increase as the fish grew (Table 1). Once the time-length windows were established for each species it was possible, following growth through time, to select a young-of-the-year or yearling index that used only young-of-the-year or yearling fish. This moving time-length window can be used each year to develop the index (Tables 2-11) following the same standardized criterion/method.

Although the VIMS trawl survey has been in continuous operation since 1955, it would be risky to attempt a 35 year retrospective examination or time series analysis as there have been modifications to the methods. In many of the earlier years (1955-1965) months are missing, and during the period 1973-1979 cruises were run on a quarterly basis. Cruises are run up the mainstem of the rivers except during 1973-1979 when a stratified random sampling was employed. Since 1972 a 1/4" mesh cod end liner has been employed. For these reasons, it was thought that the indices since 1972 would be skewed. Regression analyses of CPUE for each month since 1972 were run on the corresponding month each year before 1972. In all cases the coefficient of determination was insignificant so the monthly CPUE data were used back to 1954.

#### Additional Indices Computation and Validation

We had expected, during 1990-1991, to examine the VIMS juvenile striped bass survey (July-September) and develop a Virginia index for silversides, bluefish and mummichogs. Unfortunately this turned out to be a larger task than anticipated. Some headway was made with the bluefish but nothing was completed. We will continue to look at the seine data to see if a better index can be derived than is currently in use with the trawl data for these three species.

Correlations were run on Virginia trawl caught young-of-the-year against Maryland seine caught young-of-the-year fish (Table 12). As one would expect, the correlations were not strong with the exception of spot (0.648) and striped bass (0.614). There were only enough data to examine Virginia

Young-of-the-year fish against yearling fish for four species (Table 13). Only summer flounder ( $r^2=0.51$ ,  $p=0.000$ ) and spot ( $r^2=0.24$ ,  $p=0.003$ ) demonstrated any statistically significant relationship using the criteria we developed.

Fluctuations in management which change commercial catch make it difficult to use commercial landings as either an independent (spawner index) or dependent (recruit index) variable in any validation. Therefore, no effort at validation was attempted between juveniles and commercial landings.

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**Table 1**  
**Juvenile Index Size-Time Windows**

19XX = year of spawn, 19XX+1 = year of spawn + 1 (second half of biological year)

Species	Age	Lengths	Index Months
bay anchovy		43mm 55mm 65mm	July, then Aug-Sept, then Oct-Dec
alewife		125mm	June-Dec
Atlantic silverside		all	Dec 19XX-Mar 19XX+1
striped bass		<180mm <100mm	Dec 19XX-Mar 19XX+1 July
white perch		<75mm <87mm	June-July, then Aug-Oct.
weakfish	0 <sup>+</sup>	<150mm <200mm	July-Sept, then Oct-Dec.
	1 <sup>+</sup>	>125mm >150mm	May, then June-July
spot	0 <sup>+</sup>	<75mm <100mm <150mm	Apr-May, then June, then July-Dec
	1 <sup>+</sup>	>75mm >100mm >125mm	March, then Apr-May, then June
croaker	0 <sup>+</sup>	<75mm <100m	Sept, then Oct 19XX-May, 19XX+1
	1 <sup>+</sup>	75-200mm	June-Sept
	2 <sup>+</sup>	>200mm	May-July
summer flounder	0 <sup>+</sup>	<150mm <200mm <250mm >250mm	June, July, Aug, then Sept-Dec
	1 <sup>+</sup>	>100mm >150mm >200mm >225mm	Mar, then Apr-June, then July Aug.
blue crab	juvenile	<50mm	Oct, 19XX-Mar, 19XX+1
	peeler	<75mm	April-July
	hard	>100mm	July-Dec



Table 2

ALEWIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
9	0	0	74	3	45.0	0.0	0.0	25.3	0.00	0.00	1.69	0.00	0.00	0.28
10	0	0	2	1	30.0	0.0	0.0	2.0	0.00	0.00	0.07	0.00	0.00	0.03
11	0	0	1	3	45.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
BIOYEAR=55														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	4	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	6	1	7	11	82.5	0.5	0.1	0.6	0.07	0.01	0.08	0.03	0.00	0.03
4	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	2	2	11	137.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
12	0	0	0	12	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=56														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	2	0	2	12	180.0	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
3	3	1	4	12	180.0	0.2	0.1	0.3	0.02	0.01	0.02	0.01	0.00	0.01
4	1	0	1	12	180.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	1	0	1	11	165.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
6	10	0	10	11	154.0	0.9	0.0	0.9	0.06	0.00	0.06	0.02	0.00	0.02
7	77	1	78	11	142.5	7.0	0.1	7.1	0.47	0.01	0.47	0.11	0.00	0.11
8	0	0	41	7	105.0	0.0	0.0	5.9	0.00	0.00	0.39	0.00	0.00	0.09
9	0	0	190	11	135.0	0.0	0.0	17.3	0.00	0.00	1.16	0.00	0.00	0.16
10	0	0	64	11	127.5	0.0	0.0	5.8	0.00	0.00	0.39	0.00	0.00	0.10
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=57														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	6	0	6	11	127.5	0.5	0.0	0.5	0.07	0.00	0.07	0.03	0.00	0.03
4	3	0	3	11	127.5	0.3	0.0	0.3	0.04	0.00	0.04	0.01	0.00	0.01
5	6	0	6	11	127.5	0.5	0.0	0.5	0.05	0.00	0.05	0.02	0.00	0.02
6	2	0	2	11	127.5	0.2	0.0	0.2	0.01	0.00	0.01	0.01	0.00	0.01
7	23	0	23	11	127.5	2.1	0.0	2.1	0.14	0.00	0.14	0.05	0.00	0.05
8	0	75	75	11	127.5	0.0	6.8	6.8	0.00	0.45	0.45	0.00	0.11	0.11
9	0	42	42	11	127.5	0.0	3.8	3.8	0.00	0.27	0.27	0.00	0.09	0.09
10	0	78	78	11	127.5	0.0	7.1	7.1	0.00	0.52	0.52	0.00	0.14	0.14
11	0	21	21	11	135.0	0.0	1.9	1.9	0.00	0.14	0.14	0.00	0.05	0.05
12	0	3	3	14	172.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
BIOYEAR=58														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	0	2	11	135.0	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
2	29	4	33	11	127.5	2.6	0.4	3.0	0.34	0.05	0.39	0.09	0.02	0.09
3	58	11	69	12	142.5	4.8	0.9	5.7	0.54	0.11	0.65	0.13	0.04	0.15
4	296	14	310	11	127.5	26.9	1.3	28.2	3.58	0.17	3.75	0.17	0.04	0.17
5	23	0	23	11	127.5	2.1	0.0	2.1	0.24	0.00	0.24	0.08	0.00	0.08
6	30	0	30	11	127.5	2.7	0.0	2.7	0.24	0.00	0.24	0.08	0.00	0.08
7	197	4	201	12	142.5	16.4	0.3	16.8	1.09	0.02	1.12	0.10	0.01	0.10
11	0	62	62	10	120.0	0.0	6.2	6.2	0.00	0.43	0.43	0.00	0.13	0.13
12	0	3	3	3	45.0	0.0	1.0	1.0	0.00	0.07	0.07	0.00	0.03	0.03
BIOYEAR=59														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	152	0	150	11	127.5	13.8	0.0	16.4	1.78	0.00	2.11	0.20	0.00	0.22
2	0	0	69	15	187.5	0.0	0.0	4.6	0.00	0.00	0.35	0.00	0.00	0.11
3	6	0	6	11	127.5	0.5	0.0	0.5	0.07	0.00	0.07	0.03	0.00	0.03
4	24	0	35	11	127.5	2.2	0.0	3.2	0.18	0.00	0.27	0.06	0.00	0.09
5	18	0	26	11	127.5	1.6	0.0	2.4	0.19	0.00	0.28	0.05	0.00	0.07
6	61	0	61	11	127.5	5.5	0.0	5.5	0.50	0.00	0.50	0.13	0.00	0.13
12	0	2	2	11	135.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.01	0.01
BIOYEAR=60														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	13	4	17	10	135.0	1.3	0.4	1.7	0.12	0.04	0.16	0.04	0.01	0.05
2	1	0	1	1	112.5	0.1	0.0	0.1	0.01	0.00	0.01	0.01	0.00	0.01
3	16	3	19	8	97.5	2.0	0.4	2.4	0.25	0.05	0.30	0.08	0.02	0.09
8	0	0	0	6	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	110	110	4	60.0	0.0	27.5	27.5	0.00	1.83	1.83	0.00	0.40	0.40
12	0	0	11	6	67.5	0.0	0.0	1.8	0.00	0.00	0.21	0.00	0.00	0.07
BIOYEAR=61														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	91	29	120	6	67.5	15.2	4.8	20.0	2.02	0.65	2.67	0.19	0.11	0.21
2	36	0	36	6	67.5	6.0	0.0	6.0	0.79	0.00	0.79	0.21	0.00	0.21
3	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	6	0	6	6	67.5	1.0	0.0	1.0	0.13	0.00	0.13	0.04	0.00	0.04
5	3	0	3	6	67.5	0.5	0.0	0.5	0.07	0.00	0.07	0.02	0.00	0.02
6	2	0	2	6	67.5	0.3	0.0	0.3	0.03	0.00	0.03	0.01	0.00	0.01
7	31	0	31	6	67.5	5.2	0.0	5.2	0.34	0.00	0.34	0.08	0.00	0.08
8	0	0	45	6	67.5	0.0	0.0	7.5	0.00	0.00	0.50	0.00	0.00	0.13
9	0	0	13	6	67.5	0.0	0.0	2.2	0.00	0.00	0.16	0.00	0.00	0.05
10	0	0	10	6	67.5	0.0	0.0	1.7	0.00	0.00	0.12	0.00	0.00	0.05
11	0	0	24	5	52.5	0.0	0.0	4.8	0.00	0.00	0.39	0.00	0.00	0.12
12	0	7	7	6	67.5	0.0	1.2	1.2	0.00	0.16	0.16	0.00	0.05	0.05

ALLENIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	10	0	10	6	67.5	1.7	0.0	1.7	0.22	0.00	0.22	0.07	0.00	0.07
3	18	0	18	6	67.5	3.0	0.0	3.0	0.40	0.00	0.40	0.09	0.00	0.09
4	6	0	6	3	37.5	2.0	0.0	2.0	0.20	0.00	0.20	0.08	0.00	0.08
5	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	19	0	19	5	60.0	3.8	0.0	3.8	0.25	0.00	0.25	0.09	0.00	0.09
8	0	0	0	4	52.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
9	0	0	12	6	67.5	0.0	0.0	2.0	0.00	0.00	0.13	0.00	0.00	0.05
10	0	0	28	7	82.5	0.0	0.0	4.0	0.00	0.00	0.27	0.00	0.00	0.09
11	0	0	0	7	82.5	0.0	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	1	6	67.5	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=63

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	31	0	31	7	82.5	4.4	0.0	4.4	0.48	0.00	0.48	0.13	0.00	0.13
3	39	0	39	7	82.5	5.6	0.0	5.6	0.74	0.00	0.74	0.14	0.00	0.14
4	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	7	0	7	7	82.5	1.0	0.0	1.0	0.09	0.00	0.09	0.03	0.00	0.03
6	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	2	18	230.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	34	7	82.5	0.0	0.0	4.9	0.00	0.00	0.32	0.00	0.00	0.10
10	0	7	7	7	82.5	0.0	1.0	1.0	0.00	0.07	0.07	0.00	0.03	0.03
11	0	0	4	7	82.5	0.0	0.0	0.6	0.00	0.00	0.04	0.00	0.00	0.02
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=64

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	15	200.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
2	4	0	17	14	187.5	0.3	0.0	1.2	0.02	0.00	0.08	0.01	0.00	0.03
3	0	0	0	12	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	1	0	1	12	157.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	181	0	186	12	157.5	15.1	0.0	15.5	1.05	0.00	1.08	0.13	0.00	0.13
6	2	0	2	7	82.5	0.3	0.0	0.3	0.04	0.00	0.04	0.01	0.00	0.01
7	433	0	483	11	142.5	39.4	0.0	43.9	2.62	0.00	2.95	0.28	0.00	0.29
8	0	0	0	20	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	44	13	165.0	0.0	0.0	3.4	0.00	0.00	0.37	0.00	0.00	0.06
10	0	0	64	17	217.5	0.0	0.0	3.8	0.00	0.00	0.30	0.00	0.00	0.10
11	0	0	13	14	184.5	0.0	0.0	0.9	0.00	0.00	0.07	0.00	0.00	0.03
12	0	0	0	13	172.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=65

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	19	0	19	12	157.5	1.6	0.0	1.6	0.18	0.00	0.18	0.06	0.00	0.06
2	12	0	19	13	149.5	0.9	0.0	1.5	0.08	0.00	0.12	0.03	0.00	0.04
3	16	0	23	19	262.5	0.8	0.0	1.2	0.06	0.00	0.08	0.02	0.00	0.03
4	1	0	1	14	210.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	44	0	46	15	195.0	2.9	0.0	3.1	0.24	0.00	0.25	0.07	0.00	0.07
6	65	0	68	11	157.5	5.9	0.0	6.2	0.41	0.00	0.42	0.12	0.00	0.12
7	54	0	54	21	262.5	2.6	0.0	2.6	0.20	0.00	0.20	0.07	0.00	0.07
8	0	0	12	14	180.0	0.0	0.0	0.9	0.00	0.00	0.06	0.00	0.00	0.02
9	0	0	2	19	255.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	71	22	300.0	0.0	0.0	3.2	0.00	0.00	0.22	0.00	0.00	0.06
11	0	1	1	14	180.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	0	0	15	202.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=66

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	1	15	210.0	0.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00
2	22	0	22	14	180.0	1.6	0.0	1.6	0.12	0.00	0.12	0.04	0.00	0.04
3	55	0	55	20	240.0	2.7	0.0	2.7	0.19	0.00	0.19	0.05	0.00	0.05
4	4	0	4	11	120.0	0.4	0.0	0.4	0.05	0.00	0.05	0.02	0.00	0.02
5	121	0	121	16	210.0	7.6	0.0	7.6	0.80	0.00	0.80	0.12	0.00	0.12
6	35	0	37	14	180.0	2.5	0.0	2.6	0.18	0.00	0.19	0.05	0.00	0.06
7	103	0	105	15	195.0	6.9	0.0	7.0	0.46	0.00	0.47	0.09	0.00	0.09
8	0	0	217	13	165.0	0.0	0.0	16.7	0.00	0.00	1.11	0.00	0.00	0.21
9	0	0	287	15	197.5	0.0	0.0	19.1	0.00	0.00	1.46	0.00	0.00	0.24
10	0	0	905	25	345.0	0.0	0.0	36.2	0.00	0.00	2.42	0.00	0.00	0.30
11	0	0	71	15	195.0	0.0	0.0	4.7	0.00	0.00	0.36	0.00	0.00	0.11
12	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=67

BIDMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	19	247.5	0.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00
2	91	0	95	19	254.0	4.8	0.0	5.0	0.41	0.00	0.43	0.10	0.00	0.10
3	45	0	48	19	255.0	2.4	0.0	2.5	0.18	0.00	0.20	0.05	0.00	0.05
4	276	0	282	19	255.0	14.5	0.0	14.8	1.19	0.00	1.21	0.16	0.00	0.16
5	35	0	47	19	249.0	1.8	0.0	2.5	0.14	0.00	0.18	0.04	0.00	0.05
6	647	0	660	19	247.5	34.1	0.0	34.7	2.44	0.00	2.48	0.27	0.00	0.28
7	743	0	786	19	230.0	39.1	0.0	41.4	2.62	0.00	2.77	0.25	0.00	0.26
8	0	0	3	12	176.0	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
9	0	0	27	13	157.5	0.0	0.0	2.1	0.00	0.00	0.17	0.00	0.00	0.06
10	0	0	84	14	169.5	0.0	0.0	6.0	0.00	0.00	0.40	0.00	0.00	0.10
11	0	0	46	21	265.0	0.0	0.0	2.2	0.00	0.00	0.19	0.00	0.00	0.06
12	0	0	27	21	277.5	0.0	0.0	1.3	0.00	0.00	0.10	0.00	0.00	0.04

## ALEWIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	0	3	21	270.0	0.1	0.0	0.1	0.01	0.00	0.01	0.01	0.00	0.01
2	43	0	43	16	240.0	2.3	0.0	2.3	0.20	0.00	0.20	0.06	0.00	0.06
3	277	0	285	29	294.0	9.6	0.0	9.6	1.33	0.00	1.37	0.15	0.00	0.16
4	11	0	11	21	261.5	0.5	0.0	0.5	0.05	0.00	0.05	0.02	0.00	0.02
5	85	0	85	21	270.0	4.0	0.0	4.0	0.44	0.00	0.44	0.10	0.00	0.10
6	30	0	30	21	270.0	1.4	0.0	1.4	0.10	0.00	0.10	0.04	0.00	0.04
7	357	0	359	24	285.0	14.9	0.0	15.0	2.06	0.00	2.07	0.20	0.00	0.20
8	0	0	10	21	272.5	0.0	0.0	0.5	0.00	0.00	0.03	0.00	0.00	0.01
9	0	0	16	21	267.0	0.0	0.0	0.5	0.00	0.00	0.06	0.00	0.00	0.02
10	0	0	115	22	282.0	0.0	0.0	2.2	0.00	0.00	0.36	0.00	0.00	0.10
11	0	0	289	22	285.0	0.0	0.0	13.1	0.00	0.00	0.88	0.00	0.00	0.19
12	0	0	3	22	270.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	54	0	55	22	257.5	2.5	0.0	2.5	0.32	0.00	0.32	0.07	0.00	0.07
2	128	0	128	22	277.5	5.8	0.0	5.8	0.62	0.00	0.62	0.12	0.00	0.12
3	15	0	16	21	250.0	0.7	0.0	0.8	0.09	0.00	0.09	0.03	0.00	0.03
4	36	0	38	22	266.0	1.6	0.0	1.7	0.21	0.00	0.22	0.05	0.00	0.05
5	152	0	153	22	253.5	6.9	0.0	7.0	0.60	0.00	0.60	0.12	0.00	0.13
6	323	0	323	22	271.0	14.7	0.0	14.7	1.26	0.00	1.26	0.25	0.00	0.25
7	75	0	77	22	270.0	3.4	0.0	3.5	0.27	0.00	0.28	0.09	0.00	0.09
8	0	0	5	15	186.0	0.0	0.0	3.9	0.00	0.00	0.27	0.00	0.00	0.06
9	0	0	5	22	285.0	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
10	0	0	176	21	257.5	0.0	0.0	8.4	0.00	0.00	0.79	0.00	0.00	0.16
11	0	0	49	22	262.5	0.0	0.0	2.2	0.00	0.00	0.16	0.00	0.00	0.05
12	0	0	4	22	264.0	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.01

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	40	0	43	22	260.0	1.8	0.0	2.0	0.22	0.00	0.23	0.07	0.00	0.07
2	4	0	46	22	270.0	2.0	0.0	2.1	0.25	0.00	0.26	0.06	0.00	0.06
3	6	0	7	22	270.0	0.3	0.0	0.3	0.03	0.00	0.03	0.01	0.00	0.01
4	138	0	142	22	260.0	6.3	0.0	6.5	0.83	0.00	0.83	0.08	0.00	0.08
5	95	0	95	21	255.0	4.5	0.0	4.5	0.59	0.00	0.59	0.11	0.00	0.11
6	7	0	7	22	259.0	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
7	66	0	66	21	255.0	3.1	0.0	3.1	0.25	0.00	0.25	0.07	0.00	0.07
8	0	0	154	22	270.0	0.0	0.0	7.0	0.00	0.00	0.47	0.00	0.00	0.06
9	0	0	61	16	210.0	0.0	0.0	3.8	0.00	0.00	0.27	0.00	0.00	0.07
10	0	0	399	22	270.0	0.0	0.0	18.1	0.00	0.00	1.28	0.00	0.00	0.25
11	0	0	159	44	375.0	0.0	0.0	3.6	0.00	0.00	0.25	0.00	0.00	0.04
12	0	0	25	22	270.0	0.0	0.0	1.1	0.00	0.00	0.08	0.00	0.00	0.03

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	5	0	6	61	455.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
2	36	0	36	81	562.0	0.4	0.0	0.4	0.06	0.00	0.06	0.01	0.00	0.01
3	17	0	22	60	460.0	0.3	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
4	243	0	246	60	460.0	4.0	0.0	4.1	0.32	0.00	0.33	0.04	0.00	0.04
5	16	0	16	60	475.0	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
6	15	0	15	60	462.5	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
7	59	0	59	60	452.5	1.0	0.0	1.0	0.08	0.00	0.08	0.02	0.00	0.02
8	0	0	52	60	400.0	0.0	0.0	0.9	0.00	0.00	0.08	0.00	0.00	0.03
9	0	0	118	60	450.0	0.0	0.0	2.0	0.00	0.00	0.23	0.00	0.00	0.06
10	0	0	140	60	442.0	0.0	0.0	2.3	0.00	0.00	0.31	0.00	0.00	0.07
11	0	0	125	35	327.5	0.0	0.0	3.6	0.00	0.00	0.27	0.00	0.00	0.06
12	0	0	1	35	335.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	6	54	477.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
2	11	0	12	54	292.5	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
3	0	0	3	46	387.5	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
4	6	0	6	46	90.0	0.3	0.0	0.3	0.07	0.00	0.07	0.02	0.00	0.02
5	193	0	254	86	430.0	2.2	0.0	3.0	0.45	0.00	0.59	0.05	0.00	0.06
6	16	0	16	57	285.0	0.3	0.0	0.3	0.06	0.00	0.06	0.02	0.00	0.02
7	28	0	28	45	225.0	0.6	0.0	0.6	0.12	0.00	0.12	0.04	0.00	0.04
8	0	0	40	45	225.0	0.0	0.0	0.9	0.00	0.00	0.18	0.00	0.00	0.04
9	0	0	43	44	220.0	0.0	0.0	1.0	0.00	0.00	0.20	0.00	0.00	0.06
10	0	0	2	11	55.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
11	0	0	5	47	235.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	3	3	71	355.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	14	105	695.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
2	91	0	91	65	325.0	1.4	0.0	1.4	0.28	0.00	0.28	0.06	0.00	0.06
3	128	0	132	65	325.0	2.0	0.0	2.0	0.39	0.00	0.41	0.04	0.00	0.05
4	85	0	85	79	395.0	1.1	0.0	1.1	0.22	0.00	0.22	0.03	0.00	0.03
5	10	0	10	79	395.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
8	0	0	1104	74	370.0	0.0	0.0	14.9	0.00	0.00	2.98	0.00	0.00	0.15
9	0	0	520	125	625.0	0.0	0.0	4.2	0.00	0.00	0.83	0.00	0.00	0.15
10	0	0	90	75	375.0	0.0	0.0	1.2	0.00	0.00	0.24	0.00	0.00	0.07

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	0	0	0	50	253.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	238	0	238	25	125.0	9.5	0.0	9.5	1.90	0.00	1.90	0.14	0.00	0.14
4	52	0	52	13	65.0	4.0	0.0	4.0	0.80	0.00	0.80	0.16	0.00	0.16
8	0	0	610	134	670.0	0.0	0.0	4.6	0.00	0.00	0.91	0.00	0.00	0.06
9	0	0	17	80	400.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
10	0	0	10	16	80.0	0.0	0.0	0.6	0.00	0.00	0.13	0.00	0.00	0.04

## ALENIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	10	0	59	217	1085.0	0.0	0.0	0.3	0.01	0.00	0.05	0.00	0.00	0.01
8	0	0	434	140	700.0	0.0	0.0	3.1	0.00	0.00	0.62	0.00	0.00	0.09
9	0	0	116	77	385.0	0.0	0.0	1.5	0.00	0.00	0.30	0.00	0.00	0.07
10	0	0	55	23	115.0	0.0	0.0	2.4	0.00	0.00	0.48	0.00	0.00	0.10

BIOYEAR=76

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	7	0	28	359	1795.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
10	0	0	5	174	870.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=77

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	174	0	174	354	1770.0	0.5	0.0	0.5	0.10	0.00	0.10	0.02	0.00	0.02
3	2	0	2	45	225.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
8	0	0	18	48	240.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.03
9	0	0	75	165	825.0	0.0	0.0	0.5	0.00	0.00	0.09	0.00	0.00	0.02
10	0	0	55	47	235.0	0.0	0.0	1.2	0.00	0.00	0.23	0.00	0.00	0.05

BIOYEAR=78

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	470	0	470	64	317.0	7.3	0.0	7.3	1.47	0.00	1.47	0.12	0.00	0.12
2	1030	0	1031	252	1260.0	4.1	0.0	4.1	0.82	0.00	0.82	0.06	0.00	0.06
3	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	37	0	37	87	435.0	0.4	0.0	0.4	0.09	0.00	0.09	0.03	0.00	0.03
8	0	0	590	282	1410.0	0.0	0.0	2.1	0.00	0.00	0.42	0.00	0.00	0.08
9	0	0	332	70	350.0	0.0	0.0	4.7	0.00	0.00	0.95	0.00	0.00	0.12
10	0	0	155	76	380.0	0.0	0.0	2.0	0.00	0.00	0.41	0.00	0.00	0.10
12	0	0	0	26	130.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=79

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	2	32	160.0	0.0	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
2	4	0	4	39	194.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
3	9	0	10	32	160.0	0.3	0.0	0.3	0.06	0.00	0.06	0.02	0.00	0.02
4	11	0	11	32	160.0	0.3	0.0	0.3	0.07	0.00	0.07	0.02	0.00	0.02
5	102	0	102	31	155.0	3.3	0.0	3.3	0.66	0.00	0.66	0.08	0.00	0.08
6	67	0	67	32	160.0	2.1	0.0	2.1	0.42	0.00	0.42	0.09	0.00	0.09
7	162	0	162	37	184.0	4.4	0.0	4.4	0.88	0.00	0.88	0.16	0.00	0.16
8	0	0	72	28	140.0	0.0	0.0	2.6	0.00	0.00	0.51	0.00	0.00	0.13
9	0	0	717	46	230.0	0.0	0.0	15.6	0.00	0.00	3.12	0.00	0.00	0.27
10	0	0	402	42	210.0	0.0	0.0	9.6	0.00	0.00	1.91	0.00	0.00	0.22
11	0	0	24	15	75.0	0.0	0.0	1.6	0.00	0.00	0.32	0.00	0.00	0.08
12	0	0	3	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=80

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	4	0	4	34	170.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
4	18	0	18	53	265.0	0.3	0.0	0.3	0.07	0.00	0.07	0.02	0.00	0.02
5	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	132	0	132	36	180.0	3.7	0.0	3.7	0.73	0.00	0.73	0.12	0.00	0.12
7	842	0	845	49	245.0	17.2	0.0	17.2	3.44	0.00	3.45	0.22	0.00	0.22
8	0	0	20	43	215.0	0.0	0.0	0.5	0.00	0.00	0.09	0.00	0.00	0.03
9	0	0	54	31	152.0	0.0	0.0	1.7	0.00	0.00	0.35	0.00	0.00	0.08
10	0	0	184	35	175.0	0.0	0.0	5.3	0.00	0.00	1.05	0.00	0.00	0.09
11	0	0	2	17	85.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	0	36	178.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=81

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	4	0	4	38	191.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
3	31	0	31	24	120.0	1.3	0.0	1.3	0.26	0.00	0.26	0.05	0.00	0.05
4	2	0	2	37	185.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	27	0	27	38	190.0	0.7	0.0	0.7	0.14	0.00	0.14	0.03	0.00	0.03
6	52	0	52	37	182.5	1.4	0.0	1.4	0.28	0.00	0.28	0.09	0.00	0.09
7	56	0	56	47	235.0	1.2	0.0	1.2	0.24	0.00	0.24	0.05	0.00	0.05
8	31	0	31	11	55.0	0.0	0.0	2.8	0.00	0.00	0.56	0.00	0.00	0.15
9	0	0	17	48	240.0	0.0	0.0	0.4	0.00	0.00	0.07	0.00	0.00	0.03
10	0	0	648	46	230.0	0.0	0.0	14.1	0.00	0.00	2.82	0.00	0.00	0.21
11	0	0	6	52	260.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	11	37	185.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02

BIOYEAR=82

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	17	0	17	38	190.0	0.4	0.0	0.4	0.09	0.00	0.09	0.03	0.00	0.03
2	44	0	45	38	190.0	1.2	0.0	1.2	0.23	0.00	0.24	0.05	0.00	0.05
3	11	0	11	46	230.0	0.2	0.0	0.2	0.05	0.00	0.05	0.02	0.00	0.02
4	5	0	5	48	238.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
5	0	0	0	48	238.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	192	0	192	47	235.0	4.1	0.0	4.1	0.82	0.00	0.82	0.18	0.00	0.18
7	160	0	160	48	240.0	3.3	0.0	3.3	0.67	0.00	0.67	0.10	0.00	0.10
8	0	0	575	32	160.0	0.0	0.0	18.0	0.00	0.00	3.59	0.00	0.00	0.25
9	0	0	613	54	270.0	0.0	0.0	11.4	0.00	0.00	2.27	0.00	0.00	0.16
10	0	0	5	14	70.0	0.0	0.0	0.4	0.00	0.00	0.07	0.00	0.00	0.03
11	0	0	2	15	75.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
12	0	0	2	40	200.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00

## ALEWIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	3	39	195.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
2	1	0	5	39	195.0	0.0	0.0	0.1	0.01	0.00	0.03	0.00	0.00	0.01
3	8	0	8	38	186.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
4	0	0	0	38	192.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	65	325.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	129	0	129	50	250.0	2.6	0.0	2.6	0.52	0.00	0.52	0.06	0.00	0.06
7	548	0	548	39	194.0	14.1	0.0	14.1	2.61	0.00	2.61	0.23	0.00	0.23
8	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	64	38	190.0	0.0	0.0	1.7	0.00	0.00	0.34	0.00	0.00	0.07
11	0	0	15	45	222.5	0.0	0.0	0.3	0.00	0.00	0.07	0.00	0.00	0.02
12	0	0	0	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	48	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	2	0	2	47	235.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
3	4	0	4	46	230.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
4	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	11	0	11	49	245.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
6	70	0	70	49	245.0	1.4	0.0	1.4	0.29	0.00	0.29	0.07	0.00	0.07
7	1	0	1	12	60.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
8	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	64	38	190.0	0.0	0.0	1.7	0.00	0.00	0.34	0.00	0.00	0.07
11	0	0	15	45	222.5	0.0	0.0	0.3	0.00	0.00	0.07	0.00	0.00	0.02
12	0	0	0	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	48	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	2	0	2	47	235.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
3	4	0	4	46	230.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
4	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	11	0	11	49	245.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
6	70	0	70	49	245.0	1.4	0.0	1.4	0.29	0.00	0.29	0.07	0.00	0.07
7	1	0	1	12	60.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
8	0	0	0	18	90.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	1	26	131.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	31	26	130.0	0.0	0.0	1.2	0.00	0.00	0.24	0.00	0.00	0.05
11	0	0	2	26	130.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	1	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	12	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0	1	38	189.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
3	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	5	0	5	27	135.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
5	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	22	22	110.0	0.0	0.0	1.0	0.00	0.00	0.20	0.00	0.00	0.04
7	0	0	166	24	120.0	0.0	0.0	6.9	0.00	0.00	1.38	0.00	0.00	0.22
8	0	0	18	25	125.0	0.0	0.0	0.7	0.00	0.00	0.14	0.00	0.00	0.03
9	0	0	7	24	120.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
10	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	35	175.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
2	0	0	1	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	39	196.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	1	0	1	35	175.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
5	17	0	17	37	185.0	0.5	0.0	0.5	0.09	0.00	0.09	0.03	0.00	0.03
6	36	0	36	36	180.0	1.0	0.0	1.0	0.20	0.00	0.20	0.05	0.00	0.05
7	244	0	244	23	115.0	10.6	0.0	10.6	2.12	0.00	2.12	0.15	0.00	0.15
8	0	0	96	23	115.0	0.0	0.0	4.2	0.00	0.00	0.83	0.00	0.00	0.18
9	0	0	236	24	120.0	0.0	0.0	9.8	0.00	0.00	1.97	0.00	0.00	0.20
10	0	0	21	23	115.0	0.0	0.0	0.9	0.00	0.00	0.16	0.00	0.00	0.04
11	0	0	9	24	120.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.03
12	0	0	1	36	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	37	185.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
2	0	0	0	33	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	34	161.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	2	0	2	34	170.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
12	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=88

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	4	0	5	21	105.0	0.2	0.0	0.2	0.04	0.00	0.05	0.01	0.00	0.02
8	0	0	17	25	125.0	0.0	0.0	0.7	0.00	0.00	0.14	0.00	0.00	0.05
9	0	0	26	25	125.0	0.0	0.0	1.0	0.00	0.00	0.21	0.00	0.00	0.06
10	0	0	25	25	125.0	0.0	0.0	1.0	0.00	0.00	0.20	0.00	0.00	0.06
11	0	0	5	25	125.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.02
12	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

ALEWIFE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	4	34	170.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
2	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	2	0	2	34	170.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
4	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	3	0	3	34	170.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
6	1	0	1	34	170.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
7	67	0	74	23	115.0	2.9	0.0	3.2	0.38	0.00	0.64	0.10	0.00	0.10
8	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	15	25	125.0	0.0	0.0	0.4	0.00	0.00	0.12	0.00	0.00	0.04
10	0	0	9	25	125.0	0.0	0.0	0.4	0.00	0.00	0.07	0.00	0.00	0.03
11	0	0	1	25	125.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
12	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	19	0	20	34	170.0	0.6	0.0	0.6	0.11	0.00	0.12	0.03	0.00	0.03
7	19	0	21	22	110.0	0.9	0.0	1.0	0.17	0.00	0.19	0.06	0.00	0.07

YOY ALENIFE INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	6	7	18	202.5	0.3	0.4	0.04	0.05	0.02	0.02
56	94	96	69	1001.5	1.4	1.4	0.09	0.09	0.02	0.02
57	40	40	35	437.5	0.7	0.7	0.06	0.06	0.02	0.02
58	635	668	79	930.0	8.0	8.5	0.86	0.91	0.09	0.10
59	261	377	70	825.0	3.7	5.4	0.43	0.58	0.07	0.11
60	30	37	27	345.0	1.1	1.4	0.12	0.15	0.04	0.05
61	169	198	42	472.5	4.0	4.7	0.48	0.58	0.08	0.08
62	53	53	34	405.0	1.6	1.6	0.16	0.16	0.05	0.05
63	77	77	48	540.0	1.6	1.6	0.19	0.19	0.04	0.04
64	622	690	83	1085.0	7.5	8.3	0.51	0.56	0.06	0.06
65	211	230	105	1394.5	2.0	2.2	0.16	0.17	0.05	0.06
66	340	345	105	1335.0	3.2	3.3	0.27	0.27	0.05	0.05
67	1838	1919	133	1738.0	13.8	14.4	1.00	1.04	0.13	0.13
68	806	816	156	1890.5	5.2	5.2	0.67	0.68	0.09	0.09
69	783	790	153	1845.5	5.1	5.2	0.48	0.49	0.11	0.11
70	397	406	152	1829.0	2.6	2.7	0.31	0.32	0.06	0.06
71	391	400	442	3327.0	0.9	0.9	0.08	0.08	0.02	0.02
72	258	325	380	2187.5	0.7	0.9	0.13	0.17	0.02	0.02
73	318	332	393	2135.0	0.8	0.8	0.16	0.17	0.02	0.03
74	290	290	88	443.0	3.3	3.3	0.66	0.66	0.06	0.06
75	10	59	217	1085.0	0.0	0.3	0.01	0.05	0.00	0.01
76	7	28	359	1795.0	0.0	0.1	0.00	0.02	0.00	0.01
77	176	176	399	1995.0	0.4	0.4	0.09	0.09	0.02	0.02
78	1537	1538	430	2147.0	3.6	3.6	0.71	0.72	0.06	0.06
79	356	358	235	1173.0	1.5	1.5	0.30	0.30	0.06	0.06
80	996	999	267	1335.0	3.7	3.7	0.75	0.75	0.06	0.06
81	172	172	256	1278.5	0.7	0.7	0.13	0.13	0.03	0.03
82	429	430	313	1559.0	1.4	1.4	0.27	0.27	0.06	0.06
83	686	693	308	1537.0	2.2	2.2	0.45	0.45	0.04	0.04
84	89	89	288	1437.5	0.3	0.3	0.06	0.06	0.02	0.02
85	6	6	144	719.0	0.0	0.0	0.01	0.01	0.00	0.00
86	299	300	242	1211.0	1.2	1.2	0.25	0.25	0.03	0.03
87	3	3	204	1011.0	0.0	0.0	0.00	0.00	0.00	0.00
88	4	5	223	1115.0	0.0	0.0	0.00	0.00	0.00	0.00
89	77	84	227	1135.0	0.3	0.4	0.07	0.07	0.01	0.01
90	38	41	220	1100.0	0.2	0.2	0.03	0.04	0.01	0.01

Table 3

BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
8	0	0	18	3	45.0	0.0	0.0	6.0	0.00	0.00	0.60	0.00	0.00	0.16
9	0	0	0	1	30.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	168	3	45.0	0.0	0.0	56.0	0.00	0.00	3.73	0.00	0.00	0.51
12	0	0	445	4	75.0	0.0	0.0	111.2	0.00	0.00	7.35	0.00	0.00	0.62
BIOYEAR=55														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	9	66	75	11	82.5	0.8	6.0	6.8	0.11	0.80	0.91	0.04	0.22	0.26
3	39	31	70	3	45.0	13.0	10.3	23.3	0.69	1.35	2.04	0.20	0.17	0.28
10	0	1530	1530	11	137.5	0.0	139.1	139.1	0.00	9.27	9.27	0.00	0.37	0.37
11	0	207	207	12	180.0	0.0	17.3	17.3	0.00	1.15	1.15	0.00	0.15	0.15
BIOYEAR=56														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	15	96	111	12	180.0	1.3	8.0	9.3	0.08	0.53	0.62	0.03	0.16	0.15
2	10	15	25	12	180.0	0.8	1.3	2.1	0.06	0.08	0.14	0.02	0.03	0.05
3	62	48	110	12	180.0	5.2	4.0	9.2	0.35	0.27	0.61	0.10	0.08	0.15
4	403	205	608	11	165.0	36.6	18.6	55.3	2.44	1.64	3.69	0.28	0.20	0.33
5	808	493	1301	11	154.0	73.5	44.8	118.3	4.90	2.99	7.88	0.38	0.30	0.45
6	6327	462	6788	11	142.5	575.2	42.0	617.1	38.35	2.80	41.14	0.58	0.23	0.59
7	0	341	341	7	105.0	0.0	0.0	48.7	0.00	0.00	3.25	0.00	0.00	0.37
8	0	0	1632	11	135.0	0.0	0.0	148.4	0.00	0.00	9.89	0.00	0.00	0.46
9	0	0	1390	11	127.5	0.0	0.0	126.4	0.00	0.00	8.42	0.00	0.00	0.58
11	0	0	52	11	127.5	0.0	0.0	4.7	0.00	0.00	0.33	0.00	0.00	0.09
BIOYEAR=57														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	141	0	325	11	127.5	12.8	0.0	29.5	1.45	0.00	3.32	0.29	0.00	0.45
3	150	0	243	11	127.5	13.6	0.0	22.1	1.07	0.00	1.73	0.21	0.00	0.28
4	601	0	1242	11	127.5	54.6	0.0	112.9	3.95	0.00	8.16	0.45	0.00	0.60
5	1196	0	1897	11	127.5	108.7	0.0	172.5	7.67	0.00	12.16	0.56	0.00	0.67
6	478	0	509	11	127.5	43.5	0.0	46.3	2.90	0.00	3.09	0.32	0.00	0.33
7	0	34	34	11	127.5	0.0	3.1	3.1	0.00	0.23	0.00	0.00	0.08	0.08
8	0	258	258	11	127.5	0.0	23.5	23.5	0.00	1.56	1.56	0.00	0.22	0.22
9	0	6	6	11	127.5	0.0	0.5	0.5	0.00	0.04	0.04	0.00	0.01	0.01
10	0	60	60	11	135.0	0.0	5.5	5.5	0.00	0.36	0.36	0.00	0.08	0.08
11	0	266	266	14	172.5	0.0	19.0	19.0	0.00	1.27	1.27	0.00	0.20	0.20
12	0	146	146	11	135.0	0.0	13.3	13.3	0.00	0.93	0.93	0.00	0.18	0.18
BIOYEAR=58														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	11	67	78	11	127.5	1.0	6.1	7.1	0.08	0.47	0.55	0.03	0.13	0.15
2	220	337	557	12	142.5	18.3	28.1	46.4	1.61	2.47	4.08	0.25	0.31	0.38
3	646	522	1168	11	127.5	58.7	47.5	106.2	7.01	5.67	12.68	0.43	0.39	0.54
4	424	217	641	11	127.5	38.5	19.7	58.3	2.84	1.45	4.29	0.40	0.28	0.47
5	271	167	438	11	127.5	24.6	15.2	39.8	1.67	1.03	2.70	0.22	0.17	0.28
6	0	6	6	12	142.5	0.0	0.5	0.5	0.00	0.05	0.05	0.00	0.02	0.02
10	0	47	47	10	120.0	0.0	4.7	4.7	0.00	0.31	0.31	0.00	0.09	0.09
11	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	706	11	127.5	0.0	0.0	64.2	0.00	0.00	8.18	0.00	0.00	0.40
BIOYEAR=59														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	27	166	193	15	187.5	1.8	11.1	12.9	0.13	0.79	0.92	0.05	0.17	0.19
2	356	509	865	11	127.5	30.5	46.3	76.8	2.16	3.26	5.42	0.27	0.33	0.42
3	570	459	1029	11	127.5	51.8	41.7	93.5	3.68	2.95	6.62	0.45	0.39	0.56
4	1225	628	1853	11	127.5	111.4	57.1	168.5	7.53	3.85	11.38	0.56	0.43	0.66
5	487	298	785	11	127.5	44.3	27.1	71.4	2.97	1.82	4.79	0.34	0.27	0.41
11	0	514	514	11	135.0	0.0	46.7	46.7	0.00	3.14	3.14	0.00	0.42	0.42
12	0	67	67	10	135.0	0.0	6.7	6.7	0.00	0.45	0.45	0.00	0.13	0.13
BIOYEAR=60														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	26	30	9	112.5	0.4	2.9	3.3	0.04	0.25	0.28	0.02	0.08	0.09
2	111	171	282	8	97.5	13.9	21.4	35.2	1.59	2.44	4.03	0.21	0.26	0.32
7	0	0	1	6	75.0	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.00
10	0	98	98	4	60.0	0.0	24.5	24.5	0.00	1.63	1.63	0.00	0.24	0.24
11	0	0	513	6	67.5	0.0	0.0	85.5	0.00	0.00	5.70	0.00	0.00	0.33
12	0	0	319	6	67.5	0.0	0.0	53.2	0.00	0.00	3.54	0.00	0.00	0.36
BIOYEAR=61														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	527	6	67.5	0.0	0.0	87.8	0.00	0.00	5.86	0.00	0.00	0.47
2	71	106	177	6	67.5	11.8	17.7	29.5	0.81	1.22	2.03	0.16	0.20	0.26
3	323	0	468	6	67.5	53.8	0.0	78.0	5.06	0.00	7.32	0.58	0.00	0.69
4	134	0	162	6	67.5	22.7	0.0	27.0	1.60	0.00	1.90	0.27	0.00	0.29
5	81	0	419	6	67.5	13.5	0.0	69.8	0.90	0.00	4.68	0.22	0.00	0.52
6	86	0	104	6	67.5	14.3	0.0	17.3	0.96	0.00	1.15	0.20	0.00	0.22
7	0	0	12	6	67.5	0.0	0.0	2.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	25	6	67.5	0.0	0.0	4.2	0.00	0.00	0.13	0.00	0.00	0.04
9	0	0	17	6	67.5	0.0	0.0	2.8	0.00	0.00	0.28	0.00	0.00	0.06
10	0	206	206	5	52.5	0.0	41.2	41.2	0.00	2.75	2.75	0.00	0.24	0.24
11	0	0	141	6	67.5	0.0	0.0	23.5	0.00	0.00	1.84	0.00	0.00	0.39
12	0	0	180	6	67.5	0.0	0.0	30.0	0.00	0.00	2.00	0.00	0.00	0.23



BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	81	6	67.5	0.2	0.0	13.5	0.01	0.00	1.20	0.00	0.00	0.24
2	5	0	16	6	67.5	0.8	0.0	2.7	0.08	0.00	0.25	0.03	0.00	0.08
3	197	0	351	3	37.5	65.7	0.0	117.0	4.58	0.00	8.15	0.49	0.00	0.62
4	106	0	158	3	45.0	35.3	0.0	52.7	2.35	0.00	3.51	0.46	0.00	0.57
5	59	0	152	5	60.0	11.8	0.0	30.4	0.79	0.00	2.03	0.16	0.00	0.26
6	30	0	32	5	60.0	6.0	0.0	6.4	0.40	0.00	0.43	0.12	0.00	0.12
7	0	0	1	4	32.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	118	7	82.5	0.0	0.0	16.9	0.00	0.00	1.12	0.00	0.00	0.18
11	0	0	432	6	67.5	0.0	0.0	72.0	0.00	0.00	6.19	0.00	0.00	0.58
12	0	0	38	7	82.5	0.0	0.0	5.4	0.00	0.00	0.44	0.00	0.00	0.13

BIOYEAR=63

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	503	7	82.5	0.0	0.0	71.9	0.00	0.00	8.23	0.00	0.00	0.52
2	6	9	15	7	82.5	0.9	1.3	2.1	0.11	0.16	0.27	0.04	0.05	0.07
3	54	0	251	7	82.5	7.7	0.0	35.9	0.52	0.00	2.45	0.10	0.00	0.25
4	68	34	102	7	82.5	9.7	4.9	14.6	1.08	0.54	1.62	0.26	0.16	0.33
5	85	0	185	7	82.5	12.1	0.0	26.4	0.81	0.00	1.76	0.16	0.00	0.24
6	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	18	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	3	7	82.5	0.0	0.0	0.4	0.00	0.00	0.03	0.00	0.00	0.01
10	0	0	160	7	82.5	0.0	0.0	22.9	0.00	0.00	1.52	0.00	0.00	0.17
11	0	0	37	7	82.5	0.0	0.0	5.3	0.00	0.00	0.35	0.00	0.00	0.10
12	0	218	218	15	200.0	0.0	14.5	14.5	0.00	1.46	1.46	0.00	0.23	0.23

BIOYEAR=64

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	13	87	100	14	187.5	0.9	6.2	7.1	0.06	0.41	0.48	0.02	0.10	0.11
2	198	0	296	12	157.5	16.5	0.0	24.7	1.51	0.00	2.25	0.21	0.00	0.25
3	0	0	31	12	157.5	0.0	0.0	2.6	0.00	0.00	0.17	0.00	0.00	0.05
4	87	46	133	12	157.5	7.2	3.8	11.1	0.48	0.26	0.74	0.12	0.08	0.16
5	22	13	35	7	82.5	3.1	1.9	5.0	0.21	0.12	0.33	0.07	0.04	0.10
6	125	9	134	11	162.5	11.4	0.8	12.2	0.76	0.05	0.81	0.10	0.02	0.10
7	0	82	82	20	277.5	0.0	4.1	4.1	0.00	0.27	0.27	0.00	0.06	0.06
8	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	210	210	17	217.5	0.0	12.4	12.4	0.00	0.82	0.82	0.00	0.08	0.08
10	0	29	29	14	184.5	0.0	2.1	2.1	0.00	0.14	0.14	0.00	0.03	0.03
11	0	58	58	13	172.5	0.0	4.5	4.5	0.00	0.30	0.30	0.00	0.06	0.06
12	0	58	58	12	157.5	0.0	4.8	4.8	0.00	0.32	0.32	0.00	0.07	0.07

BIOYEAR=65

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	63	398	461	13	149.5	4.8	30.6	35.5	0.48	3.07	3.56	0.12	0.33	0.35
2	86	132	218	19	262.5	4.5	4.9	11.5	0.43	0.66	1.09	0.10	0.13	0.18
3	71	54	127	14	210.0	5.1	4.0	9.1	0.34	0.27	0.60	0.07	0.06	0.10
4	143	73	216	15	195.0	9.5	4.9	14.4	0.86	0.44	1.30	0.18	0.12	0.23
5	24	16	40	11	157.5	2.2	1.5	3.6	0.15	0.10	0.24	0.05	0.04	0.07
6	10	0	10	21	262.5	0.5	0.0	0.5	0.03	0.00	0.03	0.01	0.00	0.01
7	0	18	18	14	180.0	0.0	1.3	1.3	0.00	0.11	0.11	0.00	0.04	0.04
8	0	0	0	19	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	73	73	22	300.0	0.0	3.3	3.3	0.00	0.22	0.22	0.00	0.05	0.05
10	0	51	51	14	180.0	0.0	3.6	3.6	0.00	0.24	0.24	0.00	0.07	0.07
11	0	20	20	15	202.5	0.0	1.3	1.3	0.00	0.09	0.09	0.00	0.03	0.03
12	0	0	44	15	210.0	0.0	0.0	2.9	0.00	0.00	0.20	0.00	0.00	0.06

BIOYEAR=66

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	64	14	180.0	0.0	0.0	4.6	0.00	0.00	0.61	0.00	0.00	0.11
2	0	0	130	20	240.0	0.0	0.0	6.5	0.00	0.00	0.44	0.00	0.00	0.09
3	108	0	215	11	120.0	9.8	0.0	19.5	0.70	0.00	1.39	0.11	0.00	0.14
4	0	0	75	16	210.0	0.0	0.0	4.7	0.00	0.00	0.36	0.00	0.00	0.11
5	21	0	26	14	180.0	1.5	0.0	1.9	0.10	0.00	0.13	0.04	0.00	0.04
6	34	3	37	15	195.0	2.3	0.2	2.5	0.15	0.01	0.16	0.04	0.01	0.05
7	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	37	37	15	197.5	0.0	2.5	2.5	0.00	0.16	0.16	0.00	0.04	0.04
9	0	0	340	25	345.0	0.0	0.0	13.6	0.00	0.00	0.91	0.00	0.00	0.16
10	0	678	678	15	195.0	0.0	45.2	45.2	0.00	3.03	3.03	0.00	0.38	0.38
11	0	6	6	15	195.0	0.0	0.4	0.4	0.00	0.04	0.04	0.00	0.02	0.02
12	0	0	256	19	247.5	0.0	0.0	13.5	0.00	0.00	1.07	0.00	0.00	0.21

BIOYEAR=67

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	50	326	376	19	254.0	2.6	17.2	19.8	0.18	1.16	1.33	0.06	0.20	0.22
2	61	91	152	19	255.0	3.2	4.8	8.0	0.29	0.43	0.72	0.08	0.11	0.15
3	156	125	281	19	255.0	8.2	6.6	14.8	0.66	0.52	1.18	0.15	0.13	0.22
4	546	275	821	19	249.0	28.7	14.5	43.2	1.95	0.98	2.93	0.25	0.16	0.30
5	286	178	464	19	247.5	15.1	9.4	24.5	1.01	0.63	1.64	0.17	0.13	0.23
6	143	11	154	19	230.0	7.5	0.6	8.1	0.50	0.04	0.54	0.09	0.01	0.10
7	0	1	1	12	176.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
8	0	2	2	13	137.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
9	0	1	1	14	169.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
10	0	48	48	21	265.0	0.0	2.3	2.3	0.00	0.15	0.15	0.00	0.04	0.04
11	0	443	443	21	277.5	0.0	21.1	21.1	0.00	1.46	1.46	0.00	0.29	0.29
12	0	542	542	21	270.0	0.0	25.8	25.8	0.00	2.08	2.08	0.00	0.28	0.28

BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=66

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	61	392	453	19	240.0	3.2	20.6	23.8	0.35	2.20	2.55	0.10	0.33	0.36
2	172	429	601	29	294.0	5.9	14.8	20.7	0.53	0.79	1.32	0.14	0.18	0.25
3	291	232	523	21	261.5	13.9	11.0	24.9	1.27	1.01	2.28	0.26	0.21	0.34
4	1011	521	1532	21	270.0	48.1	24.8	73.0	3.71	1.91	5.62	0.46	0.32	0.54
5	642	394	1036	21	270.0	30.6	18.6	49.3	2.22	1.36	3.57	0.35	0.27	0.44
6	68	4	72	24	285.0	2.0	0.2	2.2	0.13	0.01	0.14	0.04	0.00	0.04
7	0	0	0	21	272.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	16	16	21	267.0	0.0	0.8	0.8	0.00	0.05	0.05	0.00	0.02	0.02
9	0	0	0	22	282.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00
10	0	345	345	22	285.0	0.0	15.7	15.7	0.00	1.05	1.05	0.00	0.17	0.17
11	0	153	153	22	270.0	0.0	7.0	7.0	0.00	0.55	0.55	0.00	0.14	0.14
12	0	900	900	22	257.5	0.0	40.9	40.9	0.00	4.18	4.18	0.00	0.40	0.40

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	47	299	346	22	277.5	2.1	13.6	15.7	0.16	1.01	1.17	0.06	0.26	0.29
2	60	95	155	21	250.0	2.9	4.5	7.4	0.19	0.31	0.51	0.04	0.06	0.08
3	181	143	324	22	266.0	8.2	6.5	14.7	0.75	0.59	1.34	0.17	0.15	0.24
4	231	480	711	22	253.5	10.4	21.8	32.2	1.85	5.43	7.28	0.36	0.39	0.69
5	1407	863	2270	22	271.0	64.0	39.2	103.2	4.90	2.94	7.74	0.52	0.61	0.63
6	66	4	70	22	270.0	3.0	0.2	3.2	0.28	0.02	0.30	0.08	0.01	0.08
7	0	19	19	15	186.0	0.0	1.3	1.3	0.00	0.08	0.08	0.00	0.03	0.03
8	0	0	0	22	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	7	7	21	237.5	0.0	0.3	0.3	0.00	0.03	0.03	0.00	0.01	0.01
10	0	264	264	22	262.5	0.0	12.0	12.0	0.00	0.85	0.85	0.00	0.17	0.17
11	0	64	64	22	264.0	0.0	2.9	2.9	0.00	0.19	0.19	0.00	0.05	0.05
12	0	19	19	22	260.0	0.0	0.9	0.9	0.00	0.08	0.08	0.00	0.03	0.03

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	9	71	80	22	270.0	0.4	3.2	3.6	0.05	0.36	0.40	0.02	0.10	0.11
2	2	2	4	22	270.0	0.1	0.1	0.2	0.01	0.01	0.01	0.00	0.00	0.00
3	240	191	431	22	260.0	10.9	8.7	19.6	1.02	0.81	1.83	0.19	0.17	0.27
4	376	192	568	21	255.0	17.9	9.1	27.0	1.42	0.72	2.14	0.26	0.17	0.32
5	38	23	61	22	259.0	1.7	1.0	2.8	0.13	0.09	0.22	0.04	0.03	0.05
6	85	6	91	21	255.0	4.0	0.3	4.3	0.27	0.02	0.29	0.04	0.01	0.04
7	0	10	10	22	270.0	0.0	0.5	0.5	0.00	0.03	0.03	0.00	0.01	0.01
8	0	154	154	16	210.0	0.0	9.6	9.6	0.00	0.69	0.69	0.00	0.14	0.14
9	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	202	202	44	375.0	0.0	4.6	4.6	0.00	0.43	0.43	0.00	0.09	0.09
11	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	25	25	61	455.0	0.0	0.4	0.4	0.00	0.05	0.05	0.00	0.02	0.02

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	726	0	879	81	562.0	9.0	0.0	10.9	1.73	0.00	2.09	0.18	0.00	0.19
2	1874	2837	4711	60	460.0	31.2	47.3	78.5	6.09	9.22	15.31	0.17	0.21	0.25
3	3429	0	5138	60	460.0	57.1	0.0	57.1	11.14	0.00	16.69	0.43	0.00	0.50
4	1408	0	1552	60	475.0	23.5	0.0	23.5	4.92	0.00	5.09	0.34	0.00	0.36
5	1505	0	1505	60	462.5	25.1	0.0	25.1	4.26	0.00	4.26	0.40	0.00	0.40
6	5702	0	5702	60	452.5	95.0	0.0	95.0	18.82	0.00	18.82	0.47	0.00	0.47
7	0	0	3922	60	400.0	0.0	0.0	0.0	0.00	0.00	12.09	0.00	0.00	0.50
8	0	0	5656	60	450.0	0.0	0.0	0.0	0.00	0.00	17.65	0.00	0.00	0.66
9	0	0	2823	60	442.0	0.0	0.0	0.0	0.00	0.00	8.44	0.00	0.00	0.41
10	0	0	2105	35	327.5	0.0	0.0	0.0	0.00	0.00	7.56	0.00	0.00	0.51
11	0	0	449	35	335.0	0.0	0.0	0.0	0.00	0.00	12.8	0.00	0.00	0.28
12	0	0	284	54	477.5	0.0	0.0	0.0	0.00	0.00	0.59	0.00	0.00	0.14

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	86	0	1011	54	292.5	1.6	0.0	18.7	0.31	0.00	3.64	0.08	0.00	0.35
2	1628	0	2580	66	387.5	24.7	0.0	39.1	4.91	0.00	7.79	0.35	0.00	0.42
3	1351	0	1633	18	90.0	75.1	0.0	90.7	15.01	0.00	18.14	0.71	0.00	0.77
4	3646	0	4676	26	436.0	42.4	0.0	54.4	8.48	0.00	10.87	0.73	0.00	0.81
5	5715	0	6512	57	285.0	100.3	0.0	114.2	20.05	0.00	22.85	0.86	0.00	0.89
6	1994	0	2014	45	225.0	44.3	0.0	44.8	8.86	0.00	8.96	0.56	0.00	0.57
7	0	0	1818	45	225.0	0.0	0.0	0.0	0.00	0.00	8.08	0.00	0.00	0.26
8	0	0	11005	44	220.0	0.0	0.0	0.0	0.00	0.00	50.02	0.00	0.00	0.64
9	0	0	2683	11	55.0	0.0	0.0	0.0	0.00	0.00	48.78	0.00	0.00	1.15
10	0	0	5220	47	235.0	0.0	0.0	0.0	0.00	0.00	22.21	0.00	0.00	0.97
11	0	0	2670	71	335.0	0.0	0.0	0.0	0.00	0.00	7.52	0.00	0.00	0.43
12	0	0	15195	105	695.0	0.0	0.0	0.0	0.00	0.00	15.73	0.00	0.00	0.47

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	0	580	65	325.0	0.0	0.0	8.9	0.01	0.00	1.78	0.00	0.00	0.28
2	818	0	2044	65	325.0	12.6	0.0	31.4	2.52	0.00	6.29	0.34	0.00	0.54
3	7757	0	8764	79	395.0	98.2	0.0	110.9	19.66	0.00	22.19	0.45	0.00	0.47
4	4707	0	4970	79	395.0	59.6	0.0	62.9	11.92	0.00	12.58	0.45	0.00	0.50
5	0	0	430	74	370.0	0.0	0.0	0.0	0.00	0.00	1.11	0.00	0.00	0.09
6	0	0	10079	125	625.0	0.0	0.0	80.6	0.00	0.00	16.13	0.00	0.00	0.37
7	0	0	21310	75	375.0	0.0	0.0	284.1	0.00	0.00	56.83	0.00	0.00	1.11

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	102	0	4502	50	253.0	2.0	0.0	90.0	0.40	0.00	17.63	0.11	0.00	0.81
2	163	0	406	25	125.0	6.5	0.0	16.2	1.30	0.00	3.25	0.23	0.00	0.39
3	7	0	111	13	65.0	0.5	0.0	8.5	0.11	0.00	1.71	0.04	0.00	0.29
7	0	0	14085	134	670.0	0.0	0.0	105.1	0.00	0.00	21.02	0.00	0.00	0.50
8	0	0	10330	80	400.0	0.0	0.0	129.1	0.00	0.00	25.82	0.00	0.00	0.37
9	0	0	2114	16	80.0	0.0	0.0	132.1	0.00	0.00	26.25	0.00	0.00	0.94

BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	400	0	5531	217	1085.0	1.8	0.0	25.5	0.37	0.00	5.10	0.09	0.00	0.40
7	0	0	520	140	700.0	0.0	0.0	3.7	0.00	0.00	0.74	0.00	0.00	0.10
8	0	0	131	77	385.0	0.0	0.0	1.7	0.00	0.00	0.34	0.00	0.00	0.08
9	0	0	7671	23	115.0	0.0	0.0	342.2	0.00	0.00	66.44	0.00	0.00	1.03

BIOYEAR=76

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	888	0	11377	359	1795.0	2.5	0.0	31.7	0.49	0.00	6.34	0.11	0.00	0.47
9	0	0	32483	174	870.0	0.0	0.0	186.7	0.00	0.00	37.34	0.00	0.00	0.90

BIOYEAR=77

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2978	0	22248	354	1770.0	8.4	0.0	62.8	1.68	0.00	12.57	0.25	0.00	0.65
2	77	0	199	45	225.0	1.7	0.0	4.4	0.34	0.00	0.88	0.11	0.00	0.22
7	0	0	9	48	240.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
8	0	0	1136	165	825.0	0.0	0.0	6.9	0.00	0.00	1.38	0.00	0.00	0.20
9	0	0	1	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	64	317.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=78

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1423	0	3913	252	1260.0	5.6	0.0	15.5	1.13	0.00	3.11	0.15	0.00	0.26
2	889	0	1477	27	135.0	32.9	0.0	54.7	6.59	0.00	10.94	0.43	0.00	0.52
6	3204	0	3384	87	435.0	36.8	0.0	38.9	7.37	0.00	7.78	0.39	0.00	0.39
7	0	0	9179	282	1410.0	0.0	0.0	32.5	0.00	0.00	6.51	0.00	0.00	0.28
8	0	0	331	70	350.0	0.0	0.0	4.7	0.00	0.00	0.95	0.00	0.00	0.19
9	0	0	64	76	380.0	0.0	0.0	0.8	0.00	0.00	0.17	0.00	0.00	0.05
11	0	0	286	26	130.0	0.0	0.0	11.0	0.00	0.00	2.20	0.00	0.00	0.37
12	0	0	423	32	160.0	0.0	0.0	13.2	0.00	0.00	2.64	0.00	0.00	0.47

BIOYEAR=79

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	40	0	1892	39	194.0	1.0	0.0	48.5	0.21	0.00	9.70	0.06	0.00	0.57
2	596	0	1899	32	160.0	18.6	0.0	59.3	3.72	0.00	11.87	0.36	0.00	0.61
3	209	0	677	32	160.0	6.5	0.0	21.2	1.31	0.00	4.23	0.27	0.00	0.49
4	524	0	957	31	155.0	16.9	0.0	30.9	1.50	0.00	6.44	0.44	0.00	0.59
5	253	0	631	32	160.0	7.9	0.0	19.7	1.58	0.00	3.94	0.28	0.00	0.46
6	12339	0	15640	37	184.0	333.5	0.0	422.7	66.70	0.00	84.54	0.82	0.00	0.87
7	0	0	343	28	140.0	0.0	0.0	12.3	0.00	0.00	2.45	0.00	0.00	0.19
8	0	0	928	46	230.0	0.0	0.0	20.2	0.00	0.00	4.03	0.00	0.00	0.35
9	0	0	12019	42	210.0	0.0	0.0	286.2	0.00	0.00	57.23	0.00	0.00	0.84
10	0	0	775	15	75.0	0.0	0.0	51.7	0.00	0.00	10.33	0.00	0.00	0.83
11	0	0	2613	34	170.0	0.0	0.0	76.9	0.00	0.00	15.37	0.00	0.00	0.94
12	0	0	1698	35	175.0	0.0	0.0	48.5	0.00	0.00	9.70	0.00	0.00	0.67

BIOYEAR=80

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	42	0	4246	35	175.0	1.2	0.0	121.3	0.24	0.00	24.26	0.08	0.00	1.00
2	1536	0	5972	34	170.0	45.2	0.0	175.6	9.04	0.00	35.13	0.61	0.00	1.01
3	6808	0	17778	53	265.0	128.5	0.0	335.4	25.69	0.00	67.09	0.87	0.00	1.20
4	2000	0	3022	25	125.0	80.0	0.0	120.9	16.00	0.00	24.18	0.80	0.00	0.93
5	4486	0	7945	36	180.0	135.7	0.0	220.7	25.15	0.00	40.90	1.01	0.00	1.18
6	21483	0	23478	49	245.0	438.4	0.0	479.1	87.69	0.00	95.83	1.01	0.00	1.04
7	0	0	932	43	215.0	0.0	0.0	21.7	0.00	0.00	4.33	0.00	0.00	0.29
8	0	0	2	31	152.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	19065	35	175.0	0.0	0.0	544.7	0.00	0.00	108.94	0.00	0.00	0.56
10	0	0	5118	17	85.0	0.0	0.0	301.1	0.00	0.00	60.21	0.00	0.00	1.05
11	0	0	6873	36	178.0	0.0	0.0	190.9	0.00	0.00	37.76	0.00	0.00	1.03
12	0	0	12992	35	175.0	0.0	0.0	371.2	0.00	0.00	74.24	0.00	0.00	1.14

BIOYEAR=81

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	103	0	4719	38	191.0	2.7	0.0	124.2	0.54	0.00	24.82	0.14	0.00	1.02
2	7922	0	14835	24	120.0	330.1	0.0	618.1	64.02	0.00	123.62	1.10	0.00	1.33
3	1548	0	2755	37	185.0	41.8	0.0	74.5	3.37	0.00	14.89	0.73	0.00	0.92
4	5417	0	7704	38	190.0	142.6	0.0	202.7	28.51	0.00	40.55	1.01	0.00	1.13
5	5534	0	8450	37	182.5	149.6	0.0	228.4	30.18	0.00	46.08	1.06	0.00	1.21
6	46	0	46	47	235.0	1.0	0.0	1.0	0.20	0.00	0.20	0.06	0.00	0.06
7	0	0	11	11	55.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
8	0	0	4	48	240.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
9	0	0	6029	46	230.0	0.0	0.0	131.1	0.00	0.00	26.21	0.00	0.00	0.53
10	0	0	5320	52	260.0	0.0	0.0	102.3	0.00	0.00	20.46	0.00	0.00	0.83
11	0	0	680	37	185.0	0.0	0.0	18.4	0.00	0.00	3.68	0.00	0.00	0.51
12	0	0	502	38	190.0	0.0	0.0	13.2	0.00	0.00	2.64	0.00	0.00	0.49

BIOYEAR=82

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	240	0	2772	38	190.0	6.3	0.0	72.9	1.26	0.00	14.59	0.24	0.00	0.74
2	896	0	1930	46	230.0	19.5	0.0	29.3	3.90	0.00	5.87	0.49	0.00	0.59
3	2125	0	4337	48	238.0	44.3	0.0	94.5	8.88	0.00	18.96	0.60	0.00	0.82
4	6425	0	12946	48	238.0	133.9	0.0	270.1	26.83	0.00	54.15	0.91	0.00	1.15
5	8090	0	15266	47	235.0	172.1	0.0	324.8	34.43	0.00	64.96	0.79	0.00	0.98
6	19318	0	240.0	48	240.0	264.5	0.0	402.5	52.89	0.00	80.49	0.94	0.00	1.06
7	0	0	4437	32	160.0	0.0	0.0	138.7	0.00	0.00	27.73	0.00	0.00	0.75
8	0	0	3304	54	270.0	0.0	0.0	61.2	0.00	0.00	12.24	0.00	0.00	0.27
9	0	0	8361	14	70.0	0.0	0.0	597.2	0.00	0.00	119.44	0.00	0.00	1.10
10	0	0	5517	15	75.0	0.0	0.0	367.8	0.00	0.00	73.56	0.00	0.00	1.06
11	0	0	1275	40	200.0	0.0	0.0	31.9	0.00	0.00	6.37	0.00	0.00	0.61
12	0	0	1270	39	195.0	0.0	0.0	32.6	0.00	0.00	6.51	0.00	0.00	0.71

BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR-83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	12	0	1286	39	195.0	0.3	0.0	33.0	0.06	0.00	6.59	0.02	0.00	0.66
2	930	0	2948	38	186.0	24.5	0.0	77.4	5.07	0.00	16.04	0.45	0.00	0.73
3	1909	0	5014	38	192.0	50.2	0.0	131.9	10.04	0.00	26.38	0.78	0.00	1.10
4	11165	0	16873	65	325.0	171.8	0.0	259.6	34.35	0.00	51.92	1.02	0.00	1.17
5	5175	0	6429	50	250.0	103.5	0.0	168.6	20.70	0.00	33.72	0.97	0.00	1.13
6	9601	0	15634	39	194.0	246.2	0.0	400.9	49.24	0.00	80.17	1.00	0.00	1.14
7	0	0	1600	19	95.0	0.0	0.0	73.7	0.00	0.00	14.74	0.00	0.00	0.30
8	0	0	336	13	65.0	0.0	0.0	25.8	0.00	0.00	5.17	0.00	0.00	0.49
9	0	0	19908	38	190.0	0.0	0.0	523.9	0.00	0.00	104.78	0.00	0.00	0.94
10	0	0	10413	45	222.5	0.0	0.0	231.4	0.00	0.00	46.96	0.00	0.00	1.12
11	0	0	5619	50	250.0	0.0	0.0	112.4	0.00	0.00	22.48	0.00	0.00	1.04
12	0	0	3557	48	237.5	0.0	0.0	74.1	0.00	0.00	14.95	0.00	0.00	0.73

BIOYEAR-84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	339	0	8150	47	235.0	7.2	0.0	173.4	1.44	0.00	34.68	0.15	0.00	0.70
2	1116	0	3442	46	230.0	24.3	0.0	75.7	4.85	0.00	15.14	0.53	0.00	0.86
3	1116	0	2316	37	185.0	30.2	0.0	62.6	6.03	0.00	12.52	0.60	0.00	0.82
4	3933	0	6458	49	245.0	80.3	0.0	131.8	16.05	0.00	26.36	0.95	0.00	1.13
5	3641	0	6151	49	245.0	74.3	0.0	125.5	14.86	0.00	25.11	0.65	0.00	0.79
6	383	0	412	12	60.0	31.9	0.0	34.3	6.38	0.00	6.87	0.60	0.00	0.62
7	0	0	1400	19	95.0	0.0	0.0	23.8	0.00	0.00	14.74	0.00	0.00	0.30
8	0	0	336	13	65.0	0.0	0.0	25.8	0.00	0.00	5.17	0.00	0.00	0.49
9	0	0	19908	38	190.0	0.0	0.0	523.9	0.00	0.00	104.78	0.00	0.00	0.94
10	0	0	10413	45	222.5	0.0	0.0	231.4	0.00	0.00	46.96	0.00	0.00	1.12
11	0	0	5619	50	250.0	0.0	0.0	112.4	0.00	0.00	22.48	0.00	0.00	1.04
12	0	0	3557	48	237.5	0.0	0.0	74.1	0.00	0.00	14.95	0.00	0.00	0.73

BIOYEAR-84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	339	0	8150	47	235.0	7.2	0.0	173.4	1.44	0.00	34.68	0.15	0.00	0.70
2	1116	0	3442	46	230.0	24.3	0.0	75.7	4.85	0.00	15.14	0.53	0.00	0.86
3	1116	0	2316	37	185.0	30.2	0.0	62.6	6.03	0.00	12.52	0.60	0.00	0.82
4	3933	0	6458	49	245.0	80.3	0.0	131.8	16.05	0.00	26.36	0.95	0.00	1.13
5	3641	0	6151	49	245.0	74.3	0.0	125.5	14.86	0.00	25.11	0.65	0.00	0.79
6	383	0	412	12	60.0	31.9	0.0	34.3	6.38	0.00	6.87	0.60	0.00	0.62
7	0	0	1400	19	95.0	0.0	0.0	23.8	0.00	0.00	14.74	0.00	0.00	0.30
8	0	0	336	13	65.0	0.0	0.0	25.8	0.00	0.00	5.17	0.00	0.00	0.49
9	0	0	19908	38	190.0	0.0	0.0	523.9	0.00	0.00	104.78	0.00	0.00	0.94
10	0	0	10413	45	222.5	0.0	0.0	231.4	0.00	0.00	46.96	0.00	0.00	1.12
11	0	0	5619	50	250.0	0.0	0.0	112.4	0.00	0.00	22.48	0.00	0.00	1.04
12	0	0	3557	48	237.5	0.0	0.0	74.1	0.00	0.00	14.95	0.00	0.00	0.73

BIOYEAR-85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1186	0	9891	38	189.0	31.2	0.0	260.3	6.24	0.00	52.07	0.55	0.00	1.19
2	1905	0	3021	22	110.0	86.4	0.0	137.3	13.68	0.00	27.46	0.88	0.00	1.12
3	2422	0	4047	27	135.0	89.7	0.0	149.9	17.94	0.00	29.98	0.81	0.00	0.96
4	4838	0	7222	45	225.0	107.5	0.0	160.5	21.50	0.00	32.10	1.08	0.00	1.23
5	0	0	51098	22	110.0	0.0	0.0	2322.6	0.00	0.00	464.53	0.00	0.00	0.68
6	0	0	7179	24	120.0	0.0	0.0	299.1	0.00	0.00	59.82	0.00	0.00	1.16
7	0	0	9663	25	125.0	0.0	0.0	386.5	0.00	0.00	77.30	0.00	0.00	1.25
8	0	0	3848	24	120.0	0.0	0.0	162.0	0.00	0.00	32.52	0.00	0.00	1.14
9	0	0	4314	37	185.0	0.0	0.0	116.6	0.00	0.00	23.32	0.00	0.00	0.92
10	0	0	3836	35	175.0	0.0	0.0	109.6	0.00	0.00	21.92	0.00	0.00	0.72

BIOYEAR-86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	719	0	1606	37	185.0	19.4	0.0	43.4	3.89	0.00	8.68	0.41	0.00	0.61
2	5939	0	6821	39	196.0	152.3	0.0	174.9	30.44	0.00	34.98	0.69	0.00	0.74
3	5690	0	7895	35	175.0	162.6	0.0	225.6	32.51	0.00	45.11	1.25	0.00	1.37
4	6796	0	8548	37	185.0	183.7	0.0	231.0	36.74	0.00	46.21	1.20	0.00	1.28
5	2071	0	2279	36	180.0	57.5	0.0	63.3	11.51	0.00	12.66	0.77	0.00	0.80
6	4663	0	4730	23	115.0	202.7	0.0	205.7	40.55	0.00	41.13	1.00	0.00	1.01
7	0	0	865	24	120.0	0.0	0.0	37.6	0.00	0.00	7.52	0.00	0.00	0.56
8	0	0	4081	24	120.0	0.0	0.0	170.0	0.00	0.00	34.01	0.00	0.00	0.65
9	0	0	13607	23	115.0	0.0	0.0	591.6	0.00	0.00	118.32	0.00	0.00	1.62
10	0	0	5099	24	120.0	0.0	0.0	212.5	0.00	0.00	42.49	0.00	0.00	1.01
11	0	0	1054	36	180.0	0.0	0.0	29.3	0.00	0.00	5.86	0.00	0.00	0.57
12	0	0	1859	37	185.0	0.0	0.0	50.2	0.00	0.00	10.05	0.00	0.00	0.56

BIOYEAR-87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3222	0	5392	33	165.0	97.6	0.0	163.4	19.53	0.00	32.68	0.95	0.00	1.11
2	4142	0	6064	34	161.0	121.8	0.0	178.4	28.02	0.00	41.07	1.16	0.00	1.31
3	3620	0	5994	32	160.0	113.1	0.0	187.3	22.62	0.00	37.46	0.92	0.00	1.08
4	6083	0	6951	34	170.0	178.9	0.0	204.4	35.78	0.00	40.89	1.17	0.00	1.21
5	35839	0	40632	34	170.0	1054.1	0.0	1195.1	210.82	0.00	239.01	1.51	0.00	1.56
11	0	0	1149	34	170.0	0.0	0.0	33.8	0.00	0.00	6.76	0.00	0.00	0.33
12	0	0	1147	34	170.0	0.0	0.0	33.7	0.00	0.00	6.75	0.00	0.00	0.39

BIOYEAR-88

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	105	0	952	34	170.0	3.1	0.0	28.0	0.62	0.00	5.60	0.15	0.00	0.46
2	5686	0	12555	34	170.0	167.2	0.0	369.3	33.45	0.00	73.85	0.76	0.00	0.95
3	3214	0	5569	34	170.0	94.5	0.0	163.8	18.91	0.00	32.76	0.53	0.00	0.63
4	18737	0	31654	34	170.0	551.1	0.0	931.0	110.22	0.00	186.29	0.81	0.00	0.92
5	4542	0	5714	32	160.0	141.9	0.0	178.4	28.39	0.00	35.71	0.85	0.00	0.92
6	8015	0	8366	21	105.0	381.7	0.0	398.4	76.33	0.00	79.68	1.39	0.00	1.41
7	0	0	8765	25	125.0	0.0	0.0	350.6	0.00	0.00	70.12	0.00	0.00	1.02
8	0	0	33870	25	125.0	0.0	0.0	1394.8	0.00	0.00	270.96	0.00	0.00	1.38
9	0	0	12818	25	125.0	0.0	0.0	512.7	0.00	0.00	102.54	0.00	0.00	1.17
10	0	0	4139	25	125.0	0.0	0.0	165.6	0.00	0.00	33.11	0.00	0.00	0.98
11	0	0	1212	34	170.0	0.0	0.0	35.6	0.00	0.00	7.13	0.00	0.00	0.33
12	0	0	2010	34	170.0	0.0	0.0	59.1	0.00	0.00	11.82	0.00	0.00	0.56

BAY ANCHOVY INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	412	0	3234	34	170.0	12.1	0.0	95.1	2.42	0.00	19.02	0.26	0.00	0.60
2	9841	0	12747	34	170.0	289.4	0.0	374.9	57.99	0.00	74.98	0.69	0.00	0.75
3	6423	0	10034	34	170.0	188.9	0.0	295.1	37.78	0.00	59.02	0.55	0.00	0.63
4	8596	0	13002	34	170.0	252.8	0.0	382.4	50.56	0.00	76.48	0.85	0.00	0.95
5	6518	0	7943	34	170.0	191.7	0.0	233.6	38.34	0.00	44.72	0.68	0.00	0.72
6	1639	0	1675	23	115.0	71.3	0.0	72.8	14.25	0.00	14.57	0.69	0.00	0.69
7	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	28	25	125.0	0.0	0.0	1.1	0.00	0.00	0.22	0.00	0.00	0.07
9	0	0	3219	25	125.0	0.0	0.0	128.8	0.00	0.00	25.75	0.00	0.00	0.90
10	0	0	3670	25	125.0	0.0	0.0	146.8	0.00	0.00	29.36	0.00	0.00	0.90
11	0	0	5815	34	170.0	0.0	0.0	171.0	0.00	0.00	34.21	0.00	0.00	0.63
12	0	0	5242	34	170.0	0.0	0.0	154.2	0.00	0.00	30.84	0.00	0.00	0.61

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	738	0	2850	35	175.0	21.1	0.0	81.4	4.22	0.00	16.29	0.31	0.00	0.52
2	532	0	905	34	170.0	15.6	0.0	26.6	3.15	0.00	5.32	0.36	0.00	0.44
3	1187	0	2418	34	170.0	34.9	0.0	71.1	6.98	0.00	14.22	0.37	0.00	0.48
4	533	0	738	27	135.0	19.7	0.0	27.3	3.95	0.00	5.47	0.31	0.00	0.34
5	2032	0	2716	34	170.0	59.8	0.0	79.9	11.95	0.00	15.98	0.32	0.00	0.36
6	11525	0	12018	22	110.0	523.9	0.0	546.3	104.77	0.00	109.25	1.35	0.00	1.36

YOY BAY ANCHOVY INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	48	145	14	127.5	3.4	10.4	0.27	1.05	0.08	0.25
56	7625	8943	69	1001.5	110.5	129.6	7.37	8.64	0.22	0.28
57	2566	4216	55	637.5	46.7	76.7	3.40	5.69	0.37	0.47
58	1578	2888	68	795.0	23.2	42.5	2.17	4.00	0.22	0.30
59	2645	4705	59	697.5	44.8	79.7	3.08	5.49	0.31	0.43
60	115	312	17	210.0	6.8	18.4	0.77	2.05	0.11	0.20
61	697	1857	36	605.0	19.4	51.6	1.55	3.82	0.24	0.41
62	398	790	28	337.5	14.2	28.2	0.97	2.00	0.16	0.27
63	213	1054	41	457.5	5.2	25.8	0.43	2.45	0.09	0.24
64	445	729	68	885.0	6.5	10.7	0.51	0.82	0.09	0.13
65	397	1072	93	1237.0	4.3	11.5	0.37	1.06	0.09	0.15
66	163	547	90	1125.0	1.8	6.1	0.13	0.47	0.03	0.09
67	1242	2248	114	1490.5	10.9	19.7	0.76	1.39	0.13	0.20
68	2225	4025	135	1620.5	16.5	29.8	1.31	2.45	0.21	0.32
69	2692	4576	131	1588.0	20.5	34.9	1.64	2.77	0.24	0.34
70	750	1235	130	1569.0	5.8	9.5	0.48	0.81	0.09	0.13
71	14644	19487	381	2872.0	38.4	51.1	7.44	9.92	0.33	0.35
72	14420	18428	326	1710.0	44.2	56.5	8.84	11.28	0.34	0.44
73	13285	16358	288	1440.0	46.1	56.8	9.23	11.36	0.32	0.44
74	272	5019	88	443.0	3.1	57.0	0.61	11.19	0.14	0.62
75	400	5531	217	1085.0	1.8	25.5	0.37	5.10	0.09	0.40
76	888	11377	359	1795.0	2.5	31.7	0.49	6.34	0.11	0.47
77	3055	22447	399	1995.0	7.7	56.3	1.53	11.25	0.23	0.60
78	3516	8774	366	1830.0	15.1	24.0	3.01	4.79	0.22	0.31
79	13961	21696	203	1013.0	68.8	108.9	13.75	21.38	0.37	0.60
80	36755	62641	232	1160.0	158.4	269.1	31.38	53.33	0.76	1.07
81	20570	38509	221	1103.5	93.1	174.2	18.66	34.92	0.63	0.88
82	30470	56209	275	1369.0	110.8	204.4	22.17	40.91	0.68	0.90
83	28792	50184	269	1342.0	107.0	186.6	21.43	37.39	0.75	1.01
84	10528	26969	240	1200.0	43.9	112.4	8.77	22.47	0.58	0.85
85	9951	24181	132	659.0	75.4	183.2	15.08	36.64	0.84	1.14
86	25878	31879	207	1036.0	125.0	154.0	25.00	30.80	0.87	0.96
87	52906	65033	167	826.0	316.8	389.4	64.10	78.98	1.15	1.26
88	40299	64810	189	945.0	213.2	342.9	42.64	68.58	0.70	0.84
89	33429	48635	193	965.0	173.2	252.0	34.64	50.40	0.61	0.72
90	16547	21645	186	930.0	89.0	116.4	17.79	23.27	0.45	0.54

Table 4

STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	1	30.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	4	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	4	11	82.5	0.0	0.0	0.4	0.00	0.00	0.05	0.00	0.00	0.02
10	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=55														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
5	0	7	7	11	137.5	0.0	0.6	0.6	0.00	0.07	0.07	0.00	0.03	0.03
6	0	10	10	12	180.0	0.0	0.8	0.8	0.00	0.06	0.06	0.00	0.02	0.02
8	0	18	18	12	180.0	0.0	1.5	1.5	0.00	0.10	0.10	0.00	0.04	0.04
9	0	2	2	12	180.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00
10	0	5	5	12	180.0	0.0	0.4	0.4	0.00	0.03	0.03	0.00	0.01	0.01
11	0	2	2	11	165.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.01	0.01
12	0	1	1	11	154.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
BIOYEAR=56														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	30	14	44	11	142.5	2.7	1.3	4.0	0.18	0.09	0.27	0.06	0.03	0.07
2	86	0	120	7	105.0	12.3	0.0	17.1	0.82	0.00	1.14	0.17	0.00	0.21
3	19	0	23	11	135.0	0.9	0.0	2.1	0.06	0.00	0.15	0.02	0.00	0.05
4	22	0	23	11	127.5	2.0	0.0	2.1	0.16	0.00	0.17	0.06	0.00	0.06
6	0	0	1	11	127.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	1	1	11	127.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
11	0	1	1	11	127.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	0	1	11	127.5	0.0	0.0	0.6	0.00	0.00	0.08	0.00	0.00	0.03
BIOYEAR=57														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	7	0	10	11	127.5	0.6	0.0	0.9	0.05	0.00	0.07	0.02	0.00	0.03
2	25	11	36	11	127.5	2.3	1.0	3.3	0.17	0.07	0.25	0.06	0.03	0.07
3	19	16	35	11	127.5	1.7	1.5	3.2	0.12	0.10	0.21	0.04	0.04	0.09
4	23	18	41	11	127.5	2.1	1.6	3.7	0.15	0.11	0.25	0.04	0.03	0.06
5	0	2	2	11	135.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.01	0.01
6	0	1	1	14	172.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
7	0	83	83	11	135.0	0.0	7.5	7.5	0.00	0.94	0.94	0.00	0.14	0.14
8	0	224	224	11	127.5	0.0	20.4	20.4	0.00	2.71	2.71	0.00	0.28	0.28
9	0	108	108	12	142.5	0.0	9.0	9.0	0.00	1.00	1.00	0.00	0.17	0.17
10	0	53	53	11	127.5	0.0	4.8	4.8	0.00	0.64	0.64	0.00	0.09	0.09
11	0	9	9	11	127.5	0.0	0.8	0.8	0.00	0.10	0.10	0.00	0.04	0.04
12	0	10	10	11	127.5	0.0	0.9	0.9	0.00	0.08	0.08	0.00	0.03	0.03
BIOYEAR=58														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	108	50	158	12	142.5	9.0	4.2	13.2	0.68	0.32	1.00	0.17	0.10	0.22
5	0	10	10	10	120.0	0.0	1.0	1.0	0.00	0.11	0.11	0.00	0.04	0.04
6	0	0	148	3	45.0	0.0	0.0	49.3	0.00	0.00	3.29	0.00	0.00	0.35
7	0	0	121	11	127.5	0.0	0.0	11.0	0.00	0.00	1.31	0.00	0.00	0.23
8	0	0	17	15	187.5	0.0	0.0	1.1	0.00	0.00	0.13	0.00	0.00	0.05
9	0	0	4	11	127.5	0.0	0.0	0.4	0.00	0.00	0.04	0.00	0.00	0.02
10	0	0	2	11	127.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
11	0	0	2	11	127.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	10	11	127.5	0.0	0.0	0.9	0.00	0.00	0.09	0.00	0.00	0.03
BIOYEAR=59														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
6	0	2	2	11	135.0	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
7	0	17	17	10	135.0	0.0	1.7	1.7	0.00	0.17	0.17	0.00	0.04	0.04
8	0	12	12	9	112.5	0.0	1.3	1.3	0.00	0.18	0.18	0.00	0.05	0.05
9	0	7	7	8	97.5	0.0	0.9	0.9	0.00	0.08	0.08	0.00	0.03	0.03
BIOYEAR=60														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	25	0	32	6	75.0	4.2	0.0	5.3	0.28	0.00	0.36	0.10	0.00	0.12
5	0	0	0	4	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	1	1	6	67.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
7	0	6	6	6	67.5	0.0	1.0	1.0	0.00	0.13	0.13	0.00	0.05	0.05
8	0	0	2	6	67.5	0.0	0.0	0.3	0.00	0.00	0.05	0.00	0.00	0.02
9	0	1	1	6	67.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
10	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	2	2	6	67.5	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
BIOYEAR=61														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	9	0	13	6	67.5	1.5	0.0	2.2	0.10	0.00	0.15	0.04	0.00	0.05
2	15	0	18	6	67.5	2.5	0.0	3.0	0.20	0.00	0.23	0.07	0.00	0.08
3	8	0	15	6	67.5	1.3	0.0	2.5	0.09	0.00	0.17	0.03	0.00	0.05
4	0	6	6	6	67.5	0.0	0.7	1.0	0.05	0.00	0.07	0.02	0.00	0.03
5	0	0	6	5	52.5	0.0	0.0	1.2	0.00	0.00	0.09	0.00	0.00	0.04
6	0	0	28	6	67.5	0.0	0.0	4.7	0.00	0.00	0.61	0.00	0.00	0.12
7	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	3	37.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	7	0	11	4	52.5	1.8	0.0	2.7	0.12	0.00	0.18	0.04	0.00	0.06
3	6	0	17	6	67.5	1.0	0.0	2.8	0.07	0.00	0.20	0.03	0.00	0.07
4	3	0	8	7	82.5	0.4	0.0	1.1	0.03	0.00	0.08	0.01	0.00	0.03
5	0	0	4	7	82.5	0.0	0.0	0.9	0.00	0.00	0.11	0.00	0.00	0.04
6	0	0	15	6	67.5	0.0	0.0	2.5	0.00	0.00	0.16	0.00	0.00	0.06
7	0	0	2	7	82.5	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
8	0	1	1	7	82.5	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	6	7	82.5	0.0	0.0	0.9	0.00	0.00	0.06	0.00	0.00	0.02

BIOYEAR=63

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	61	0	43	6	45.0	10.2	0.0	13.8	1.36	0.00	1.84	0.31	0.00	0.37
2	227	0	294	16	230.0	12.6	0.0	16.3	0.97	0.00	1.25	0.22	0.00	0.25
3	21	0	33	7	82.5	3.0	0.0	4.7	0.21	0.00	0.32	0.07	0.00	0.10
4	3	0	8	7	82.5	0.4	0.0	1.1	0.03	0.00	0.08	0.01	0.00	0.03
5	0	0	1	7	82.5	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
6	0	0	5	7	82.5	0.0	0.0	0.7	0.00	0.00	0.07	0.00	0.00	0.03
7	0	0	24	15	200.0	0.0	0.0	1.6	0.00	0.00	0.15	0.00	0.00	0.05
8	0	0	9	14	187.5	0.0	0.0	0.6	0.00	0.00	0.06	0.00	0.00	0.02
9	0	0	13	12	157.5	0.0	0.0	1.1	0.00	0.00	0.08	0.00	0.00	0.03
10	0	0	3	12	157.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
11	0	0	84	12	157.5	0.0	0.0	7.0	0.00	0.00	0.47	0.00	0.00	0.12
12	0	0	6	7	82.5	0.0	0.0	0.9	0.00	0.00	0.06	0.00	0.00	0.02

BIOYEAR=64

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	205	0	213	11	142.5	18.6	0.0	19.4	1.24	0.00	1.29	0.16	0.00	0.17
2	79	0	79	20	277.5	4.0	0.0	4.0	0.27	0.00	0.27	0.07	0.00	0.07
3	0	0	45	13	165.0	0.0	0.0	3.5	0.00	0.00	0.24	0.00	0.00	0.07
4	0	0	9	17	217.5	0.0	0.0	0.5	0.00	0.00	0.04	0.00	0.00	0.02
5	0	0	30	14	184.5	0.0	0.0	2.1	0.00	0.00	0.18	0.00	0.00	0.06
6	0	0	9	13	172.5	0.0	0.0	0.7	0.00	0.00	0.05	0.00	0.00	0.02
7	0	0	14	12	157.5	0.0	0.0	1.2	0.00	0.00	0.08	0.00	0.00	0.03
8	0	0	3	13	149.5	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
9	0	0	22	19	262.5	0.0	0.0	1.2	0.00	0.00	0.11	0.00	0.00	0.04
10	0	0	24	16	210.0	0.0	0.0	1.7	0.00	0.00	0.11	0.00	0.00	0.04
11	0	0	23	15	195.0	0.0	0.0	1.5	0.00	0.00	0.10	0.00	0.00	0.04
12	0	0	24	11	157.5	0.0	0.0	2.2	0.00	0.00	0.15	0.00	0.00	0.05

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	52	0	43	21	262.5	2.5	0.0	4.0	0.17	0.00	0.28	0.06	0.00	0.09
2	64	0	102	14	180.0	4.6	0.0	7.3	0.34	0.00	0.54	0.11	0.00	0.15
3	87	0	102	19	255.0	4.6	0.0	5.4	0.31	0.00	0.36	0.09	0.00	0.10
4	162	0	206	22	300.0	7.4	0.0	9.4	0.49	0.00	0.62	0.11	0.00	0.13
5	0	0	25	14	180.0	0.0	0.0	1.8	0.00	0.00	0.12	0.00	0.00	0.04
6	0	0	3	15	202.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
7	0	0	2	15	210.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
8	0	0	26	14	180.0	0.0	0.0	1.9	0.00	0.00	0.22	0.00	0.00	0.07
9	0	0	7	20	240.0	0.0	0.0	0.3	0.00	0.00	0.04	0.00	0.00	0.01
10	0	0	6	11	120.0	0.0	0.0	0.5	0.00	0.00	0.07	0.00	0.00	0.03
11	0	0	38	16	210.0	0.0	0.0	2.4	0.00	0.00	0.16	0.00	0.00	0.04
12	0	0	30	14	180.0	0.0	0.0	2.1	0.00	0.00	0.17	0.00	0.00	0.06

BIOYEAR=66

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	57	0	63	15	195.0	3.8	0.0	4.2	0.28	0.00	0.31	0.08	0.00	0.08
2	172	0	292	13	165.0	13.2	0.0	22.5	0.97	0.00	1.66	0.20	0.00	0.28
3	218	0	279	15	197.5	14.5	0.0	18.6	0.99	0.00	1.27	0.20	0.00	0.23
4	195	0	298	25	345.0	7.8	0.0	11.9	0.54	0.00	0.82	0.13	0.00	0.17
5	0	0	33	15	195.0	0.0	0.0	2.2	0.00	0.00	0.27	0.00	0.00	0.05
6	0	0	15	15	195.0	0.0	0.0	1.0	0.00	0.00	0.11	0.00	0.00	0.04
7	0	0	42	19	247.5	0.0	0.0	2.2	0.00	0.00	0.16	0.00	0.00	0.06
8	0	0	22	19	254.0	0.0	0.0	1.2	0.00	0.00	0.12	0.00	0.00	0.04
9	0	0	10	19	255.0	0.0	0.0	0.5	0.00	0.00	0.04	0.00	0.00	0.01
10	0	0	41	19	255.0	0.0	0.0	2.2	0.00	0.00	0.16	0.00	0.00	0.04
11	0	0	56	19	249.0	0.0	0.0	2.9	0.00	0.00	0.20	0.00	0.00	0.05
12	0	0	101	19	247.5	0.0	0.0	5.3	0.00	0.00	0.39	0.00	0.00	0.12

BIOYEAR=67

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	122	0	170	19	230.0	6.4	0.0	8.9	0.53	0.00	0.74	0.14	0.00	0.17
2	152	0	171	12	176.0	12.7	0.0	14.3	1.02	0.00	1.14	0.19	0.00	0.20
3	90	0	122	13	157.5	6.9	0.0	9.4	0.63	0.00	0.85	0.17	0.00	0.20
4	100	0	158	14	169.5	7.1	0.0	11.3	0.61	0.00	0.97	0.14	0.00	0.19
5	0	0	48	21	265.0	0.0	0.0	2.3	0.00	0.00	0.18	0.00	0.00	0.06
6	0	0	18	21	277.5	0.0	0.0	0.9	0.00	0.00	0.08	0.00	0.00	0.03
7	0	0	37	21	270.0	0.0	0.0	1.8	0.00	0.00	0.22	0.00	0.00	0.06
8	0	0	31	19	240.0	0.0	0.0	1.6	0.00	0.00	0.22	0.00	0.00	0.06
9	0	0	85	29	294.0	0.0	0.0	2.9	0.00	0.00	0.16	0.00	0.00	0.05
10	0	0	12	21	261.5	0.0	0.0	0.6	0.00	0.00	0.06	0.00	0.00	0.02
11	0	0	7	21	270.0	0.0	0.0	0.3	0.00	0.00	0.03	0.00	0.00	0.01
12	0	0	46	21	270.0	0.0	0.0	2.2	0.00	0.00	0.15	0.00	0.00	0.05



STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	114	0	159	24	285.0	4.7	0.0	6.6	0.34	0.00	0.47	0.10	0.00	0.13
2	105	0	216	21	272.5	5.0	0.0	10.3	0.39	0.00	0.80	0.12	0.00	0.20
3	67	0	93	21	267.0	3.2	0.0	4.4	0.23	0.00	0.31	0.07	0.00	0.09
4	108	0	167	22	282.0	4.9	0.0	7.6	0.36	0.00	0.56	0.10	0.00	0.14
5	0	0	13	22	285.0	0.0	0.0	0.6	0.00	0.00	0.07	0.00	0.00	0.02
6	0	0	2	22	270.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	83	22	257.5	0.0	0.0	3.8	0.00	0.00	0.28	0.00	0.00	0.06
8	0	0	106	22	277.5	0.0	0.0	4.8	0.00	0.00	0.51	0.00	0.00	0.08
9	0	0	6	21	250.0	0.0	0.0	0.3	0.00	0.00	0.03	0.00	0.00	0.01
10	0	0	1	22	266.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	6	22	253.5	0.0	0.0	0.3	0.00	0.00	0.03	0.00	0.00	0.01
12	0	0	15	22	271.0	0.0	0.0	0.7	0.00	0.00	0.05	0.00	0.00	0.02

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	73	0	103	22	270.0	3.3	0.0	4.7	0.22	0.00	0.31	0.07	0.00	0.10
2	58	0	84	15	186.0	3.9	0.0	5.6	0.35	0.00	0.51	0.10	0.00	0.13
3	111	0	179	22	265.0	5.0	0.0	8.1	0.36	0.00	0.57	0.10	0.00	0.13
4	46	0	87	21	237.5	2.2	0.0	4.1	0.16	0.00	0.31	0.05	0.00	0.08
5	0	0	3	22	262.5	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
6	0	0	3	22	264.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	5	22	260.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
8	0	0	16	22	270.0	0.0	0.0	0.7	0.00	0.00	0.09	0.00	0.00	0.03
9	0	0	1	22	270.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	5	22	260.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
11	0	0	10	21	255.0	0.0	0.0	0.5	0.00	0.00	0.06	0.00	0.00	0.02
12	0	0	98	22	259.0	0.0	0.0	4.5	0.00	0.00	0.31	0.00	0.00	0.07

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	191	0	207	21	255.0	9.1	0.0	9.9	0.63	0.00	0.68	0.13	0.00	0.14
2	546	0	616	22	270.0	24.8	0.0	28.0	1.99	0.00	1.91	0.28	0.00	0.30
3	232	0	2327	16	210.0	139.5	0.0	145.4	9.42	0.00	10.03	0.53	0.00	0.54
4	285	0	306	22	270.0	13.0	0.0	13.9	0.90	0.00	0.97	0.16	0.00	0.16
5	0	0	21	44	375.0	0.0	0.0	0.3	0.00	0.00	0.04	0.00	0.00	0.01
6	0	0	9	22	270.0	0.0	0.0	0.4	0.00	0.00	0.04	0.00	0.00	0.02
7	0	0	24	61	455.0	0.0	0.0	0.4	0.00	0.00	0.05	0.00	0.00	0.02
8	0	0	32	81	562.0	0.0	0.0	0.4	0.00	0.00	0.05	0.00	0.00	0.02
9	0	0	29	60	460.0	0.0	0.0	0.5	0.00	0.00	0.04	0.00	0.00	0.01
10	0	0	5	60	460.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	7	60	475.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	5	60	462.5	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	69	0	121	60	452.5	1.1	0.0	2.0	0.10	0.00	0.17	0.03	0.00	0.05
2	13	0	91	60	400.0	0.2	0.0	1.5	0.02	0.00	0.17	0.01	0.00	0.05
3	48	0	148	60	450.0	0.8	0.0	2.5	0.06	0.00	0.19	0.02	0.00	0.06
4	5	0	21	60	442.0	0.1	0.0	0.3	0.01	0.00	0.04	0.00	0.00	0.01
5	0	0	62	35	327.5	0.0	0.0	1.8	0.00	0.00	0.15	0.00	0.00	0.05
6	0	0	8	35	335.0	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
7	0	0	3	54	477.5	0.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	2	54	292.5	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	4	66	387.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	0	18	90.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	1	86	430.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	57	285.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	2	45	225.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
2	32	0	97	45	225.0	0.7	0.0	2.2	0.14	0.00	0.43	0.02	0.00	0.03
3	2	0	2	44	220.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
4	0	0	1	11	55.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
5	0	0	1	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	1	71	355.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	11	105	695.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
8	0	0	158	65	325.0	0.0	0.0	2.4	0.00	0.00	0.49	0.00	0.00	0.07
9	0	0	6	65	325.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
10	0	0	4	79	395.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	3	79	395.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	16	0	20	74	370.0	0.2	0.0	0.3	0.05	0.00	0.05	0.02	0.00	0.02
3	0	0	5	125	625.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
4	8	0	8	75	375.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
8	0	0	0	50	253.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAHM MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	9	0	10	134	670.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.01
3	0	0	0	80	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	16	80.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	217	1085.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	10	0	10	140	700.0	0.1	0.0	0.1	0.01	0.00	0.01	0.01	0.00	0.01
3	48	0	79	77	385.0	0.9	0.0	1.0	0.18	0.00	0.21	0.05	0.00	0.05
4	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	7	359	1795.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=76														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	24	0	25	174	870.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
8	0	0	30	354	1770.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
9	0	0	13	45	225.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
BIOYEAR=77														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	5	0	14	48	240.0	0.1	0.0	0.3	0.02	0.00	0.06	0.01	0.00	0.02
3	24	0	24	165	825.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
4	46	0	57	47	235.0	1.0	0.0	1.2	0.20	0.00	0.24	0.05	0.00	0.06
7	0	0	23	64	317.0	0.0	0.0	0.4	0.00	0.00	0.07	0.00	0.00	0.02
8	0	0	154	252	1260.0	0.0	0.0	0.6	0.00	0.00	0.12	0.00	0.00	0.02
9	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=78														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	23	87	435.0	0.0	0.0	0.3	0.01	0.00	0.05	0.00	0.00	0.02
2	120	0	142	282	1410.0	0.4	0.0	0.5	0.09	0.00	0.10	0.02	0.00	0.03
3	65	0	80	70	350.0	0.9	0.0	1.1	0.19	0.00	0.23	0.05	0.00	0.06
4	74	0	79	76	380.0	1.0	0.0	1.0	0.19	0.00	0.21	0.05	0.00	0.05
6	0	0	0	26	130.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	4	32	160.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
8	0	0	4	39	194.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
9	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	31	155.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	2	32	160.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
BIOYEAR=79														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	0	36	37	184.0	0.4	0.0	1.0	0.08	0.00	0.19	0.03	0.00	0.06
2	22	0	52	28	140.0	0.8	0.0	1.9	0.16	0.00	0.37	0.06	0.00	0.11
3	16	0	29	46	230.0	0.3	0.0	0.6	0.07	0.00	0.13	0.03	0.00	0.04
4	30	0	49	42	210.0	0.7	0.0	1.2	0.14	0.00	0.23	0.05	0.00	0.07
5	0	0	0	15	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	53	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	2	25	125.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	8	36	180.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.02
BIOYEAR=80														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	29	0	33	49	245.0	0.6	0.0	0.7	0.12	0.00	0.13	0.04	0.00	0.04
2	15	0	17	43	215.0	0.3	0.0	0.4	0.07	0.00	0.08	0.03	0.00	0.03
3	66	0	70	31	152.0	2.1	0.0	2.3	0.43	0.00	0.45	0.12	0.00	0.12
4	17	0	19	35	175.0	0.5	0.0	0.5	0.10	0.00	0.11	0.03	0.00	0.03
6	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	41	36	178.0	0.0	0.0	1.1	0.00	0.00	0.23	0.00	0.00	0.03
8	0	0	2	35	175.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	15	38	191.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.02
10	0	0	4	24	120.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
11	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	7	38	190.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
12	0	0	21	37	182.5	0.0	0.0	0.6	0.00	0.00	0.11	0.00	0.00	0.02
BIOYEAR=81														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	65	0	68	47	235.0	1.4	0.0	1.4	0.28	0.00	0.29	0.10	0.00	0.10
2	27	0	27	11	55.0	2.5	0.0	2.5	0.49	0.00	0.49	0.14	0.00	0.14
3	113	0	131	48	240.0	2.4	0.0	2.7	0.47	0.00	0.55	0.12	0.00	0.14
4	68	0	73	46	230.0	1.5	0.0	1.6	0.30	0.00	0.32	0.08	0.00	0.09
5	0	0	5	52	260.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
6	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	188	38	190.0	0.0	0.0	4.9	0.00	0.00	0.99	0.00	0.00	0.08
9	0	0	2	46	230.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	2	48	238.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	2	48	236.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
12	0	0	13	47	235.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02

STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=82

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	11	0	18	48	240.0	0.2	0.0	0.4	0.05	0.00	0.06	0.02	0.00	0.03
2	10	0	38	32	160.0	0.3	0.0	1.2	0.06	0.00	0.24	0.02	0.00	0.05
3	76	0	87	54	270.0	1.4	0.0	1.6	0.28	0.00	0.32	0.05	0.00	0.06
4	7	0	19	14	70.0	0.5	0.0	1.4	0.10	0.00	0.27	0.04	0.00	0.06
5	0	0	0	15	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	40	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	39	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	39	195.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	38	192.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	5	65	325.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	19	50	250.0	0.0	0.0	0.4	0.00	0.00	0.06	0.00	0.00	0.03

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	63	0	70	39	194.0	1.6	0.0	1.8	0.32	0.00	0.36	0.08	0.00	0.08
2	50	0	52	19	95.0	2.6	0.0	2.7	0.53	0.00	0.55	0.10	0.00	0.10
3	3	0	4	13	65.0	0.2	0.0	0.3	0.05	0.00	0.06	0.02	0.00	0.02
4	27	0	30	38	190.0	0.7	0.0	0.8	0.16	0.00	0.16	0.04	0.00	0.04
5	0	0	8	45	225.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
6	0	0	1	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	48	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	27	47	235.0	0.0	0.0	0.6	0.00	0.00	0.11	0.00	0.00	0.03
9	0	0	11	46	230.0	0.0	0.0	0.2	0.00	0.00	0.05	0.00	0.00	0.01
10	0	0	1	37	185.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	13	49	245.0	0.0	0.0	0.3	0.00	0.00	0.05	0.00	0.00	0.02
12	0	0	85	49	245.0	0.0	0.0	1.7	0.00	0.00	0.35	0.00	0.00	0.05

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	0	9	12	60.0	0.2	0.0	0.8	0.05	0.00	0.15	0.02	0.00	0.06
2	50	0	52	19	95.0	2.6	0.0	2.7	0.53	0.00	0.55	0.10	0.00	0.10
3	3	0	4	13	65.0	0.2	0.0	0.3	0.05	0.00	0.06	0.02	0.00	0.02
4	27	0	30	38	190.0	0.7	0.0	0.8	0.16	0.00	0.16	0.04	0.00	0.04
5	0	0	8	45	225.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
6	0	0	1	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	48	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	27	47	235.0	0.0	0.0	0.6	0.00	0.00	0.11	0.00	0.00	0.03
9	0	0	11	46	230.0	0.0	0.0	0.2	0.00	0.00	0.05	0.00	0.00	0.01
10	0	0	1	37	185.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	13	49	245.0	0.0	0.0	0.3	0.00	0.00	0.05	0.00	0.00	0.02
12	0	0	85	49	245.0	0.0	0.0	1.7	0.00	0.00	0.35	0.00	0.00	0.05

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	0	9	12	60.0	0.2	0.0	0.8	0.05	0.00	0.15	0.02	0.00	0.06
2	17	0	22	36	180.0	0.5	0.0	0.6	0.09	0.00	0.12	0.03	0.00	0.04
3	19	0	28	26	131.0	0.7	0.0	1.1	0.15	0.00	0.22	0.05	0.00	0.06
4	4	0	4	26	130.0	0.2	0.0	0.2	0.03	0.00	0.03	0.01	0.00	0.01
5	0	0	26	26	130.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
6	0	0	36	35	175.0	0.0	0.0	1.0	0.00	0.00	0.21	0.00	0.00	0.03
7	0	0	11	32	160.0	0.0	0.0	0.9	0.00	0.00	0.18	0.00	0.00	0.05
8	0	0	0	38	189.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	1	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	14	0	31	22	110.0	0.6	0.0	1.4	0.13	0.00	0.28	0.05	0.00	0.09
3	19	0	24	24	120.0	0.8	0.0	1.0	0.16	0.00	0.20	0.05	0.00	0.06
4	1	0	1	25	125.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	1	24	120.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
6	0	0	1	37	185.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	4	35	175.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
8	0	0	1	32	160.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	1	39	194.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	1	37	185.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
12	0	0	4	36	180.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	0	5	23	115.0	0.1	0.0	0.2	0.03	0.00	0.04	0.01	0.00	0.02
2	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	19	0	19	24	120.0	0.8	0.0	0.8	0.16	0.00	0.16	0.03	0.00	0.03
4	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	24	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	1	36	180.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	2	37	185.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
8	0	0	13	33	165.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.02
9	0	0	2	34	161.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	21	34	170.0	0.0	0.0	0.6	0.00	0.00	0.12	0.00	0.00	0.04

BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
6	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
8	0	0	5	34	170.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
9	0	0	2	34	170.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	4	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	9	32	160.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02

STRIPED BASS INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=88

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	15	0	79	21	105.0	0.7	0.0	3.8	0.14	0.00	0.75	0.04	0.00	0.14
2	97	0	123	25	125.0	3.9	0.0	4.9	0.78	0.00	0.98	0.16	0.00	0.18
3	61	0	92	25	125.0	2.4	0.0	3.7	0.49	0.00	0.74	0.12	0.00	0.16
4	45	0	57	25	125.0	1.8	0.0	2.3	0.36	0.00	0.46	0.09	0.00	0.10
5	0	0	8	25	125.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
6	0	0	2	34	170.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	18	34	170.0	0.0	0.0	0.5	0.00	0.00	0.11	0.00	0.00	0.02
8	0	0	285	34	170.0	0.0	0.0	8.4	0.00	0.00	1.68	0.00	0.00	0.12
9	0	0	3	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
10	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
12	0	0	3	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=89

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	45	0	48	23	115.0	2.0	0.0	2.1	0.39	0.00	0.42	0.10	0.00	0.10
2	60	0	85	25	125.0	2.4	0.0	3.4	0.48	0.00	0.66	0.11	0.00	0.13
3	34	0	50	25	125.0	1.4	0.0	2.0	0.27	0.00	0.40	0.08	0.00	0.11
4	30	0	36	25	125.0	1.2	0.0	1.4	0.24	0.00	0.29	0.06	0.00	0.06
5	0	0	7	25	125.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
6	0	0	8	34	170.0	0.0	0.0	0.2	0.00	0.00	0.05	0.00	0.00	0.02
7	0	0	4	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
8	0	0	33	35	175.0	0.0	0.0	0.9	0.00	0.00	0.19	0.00	0.00	0.04
9	0	0	2	34	170.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	1	34	170.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	4	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=90

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	55	0	68	22	110.0	2.5	0.0	3.1	0.50	0.00	0.62	0.10	0.00	0.11

YOY STRIPED BASS INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	0	4	75.0	0.0	0.0	0.00	0.00	0.00	0.00
55	148	210	40	510.0	3.7	5.2	0.25	0.36	0.07	0.09
57	74	122	44	510.0	1.7	2.8	0.12	0.20	0.04	0.06
58	108	158	12	142.5	9.0	13.2	0.68	1.00	0.17	0.22
60	25	32	6	75.0	4.2	5.3	0.28	0.36	0.10	0.12
61	36	52	24	270.0	1.5	2.2	0.11	0.15	0.04	0.05
62	16	36	22	262.5	0.7	1.6	0.05	0.11	0.02	0.04
63	312	418	38	440.0	8.2	11.0	0.71	0.96	0.17	0.21
64	284	346	61	802.5	4.7	5.7	0.31	0.38	0.05	0.07
65	365	493	76	997.5	4.8	6.5	0.33	0.65	0.09	0.11
66	442	932	68	902.5	9.6	13.7	0.66	0.97	0.15	0.19
67	444	621	58	733.0	8.0	10.7	0.67	0.90	0.16	0.19
68	394	635	88	1104.5	4.5	7.2	0.33	0.54	0.10	0.14
69	288	453	80	958.5	3.6	5.7	0.27	0.42	0.08	0.11
70	3254	3456	81	1005.0	40.2	42.7	2.77	2.94	0.26	0.27
71	135	381	240	1744.5	0.6	1.6	0.05	0.14	0.02	0.04
72	34	102	145	725.0	0.2	0.7	0.05	0.14	0.01	0.01
73	26	33	274	1370.0	0.1	0.1	0.02	0.02	0.01	0.01
74	9	10	230	1150.0	0.0	0.0	0.01	0.01	0.00	0.00
75	78	89	240	1200.0	0.3	0.4	0.06	0.07	0.02	0.02
76	24	25	174	870.0	0.1	0.1	0.03	0.03	0.01	0.01
77	75	95	260	1300.0	0.3	0.4	0.06	0.07	0.02	0.02
78	263	324	515	2575.0	0.5	0.6	0.10	0.13	0.03	0.03
79	92	166	133	764.0	0.5	1.1	0.11	0.22	0.04	0.07
80	127	139	158	787.0	0.8	0.9	0.16	0.18	0.05	0.05
81	273	299	152	760.0	1.8	2.0	0.36	0.39	0.10	0.11
82	104	162	148	740.0	0.7	1.1	0.14	0.22	0.03	0.05
83	143	156	109	544.0	1.3	1.4	0.26	0.29	0.06	0.06
84	43	63	100	501.0	0.4	0.6	0.09	0.13	0.03	0.04
85	34	56	71	355.0	0.5	0.8	0.10	0.16	0.03	0.05
86	22	24	93	465.0	0.2	0.3	0.05	0.05	0.01	0.01
87	22	24	93	465.0	0.2	0.3	0.05	0.05	0.01	0.01
88	216	351	96	480.0	2.3	3.7	0.45	0.73	0.10	0.14
89	169	219	98	490.0	1.7	2.2	0.36	0.45	0.09	0.10
90	55	68	22	110.0	2.5	3.1	0.50	0.52	0.10	0.11

Table 5

WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
9	0	0	16	3	45.0	0.0	0.0	5.3	0.00	0.00	0.36	0.00	0.00	0.11
10	0	0	74	1	30.0	0.0	0.0	74.0	0.00	0.00	2.47	0.00	0.00	0.54
11	0	0	4	3	45.0	0.0	0.0	1.3	0.00	0.00	0.09	0.00	0.00	0.03
BIOYEAR=55														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	4	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	4	13	17	11	82.5	0.4	1.2	1.5	0.05	0.16	0.21	0.02	0.04	0.05
4	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	154	154	11	137.5	0.0	14.0	14.0	0.00	1.17	1.17	0.00	0.19	0.19
12	0	195	195	12	180.0	0.0	16.3	16.3	0.00	1.06	1.06	0.00	0.21	0.21
BIOYEAR=56														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	90	266	356	12	180.0	7.5	22.2	29.7	0.50	1.48	1.98	0.12	0.22	0.26
3	25	87	112	12	180.0	2.1	7.2	9.3	0.14	0.48	0.62	0.04	0.10	0.12
4	50	131	181	12	180.0	4.2	10.9	15.1	0.28	0.73	1.01	0.07	0.13	0.15
5	5	18	23	11	165.0	0.5	1.6	2.1	0.03	0.11	0.14	0.01	0.04	0.05
6	0	365	365	11	154.0	0.0	33.2	33.2	0.00	2.45	2.45	0.00	0.34	0.34
7	0	705	705	11	142.5	0.0	64.1	64.1	0.00	5.43	5.43	0.00	0.50	0.50
8	0	0	516	7	105.0	0.0	0.0	73.7	0.00	0.00	4.92	0.00	0.00	0.53
9	0	0	451	11	135.0	0.0	0.0	41.0	0.00	0.00	3.50	0.00	0.00	0.52
10	0	0	419	11	127.5	0.0	0.0	38.1	0.00	0.00	4.26	0.00	0.00	0.48
12	0	0	99	11	127.5	0.0	0.0	9.0	0.00	0.00	1.20	0.00	0.00	0.20
BIOYEAR=57														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	2	8	10	11	127.5	0.2	0.7	0.9	0.02	0.10	0.12	0.01	0.04	0.04
4	9	0	33	11	127.5	0.8	0.0	3.0	0.11	0.00	0.60	0.04	0.00	0.11
5	66	0	154	11	127.5	6.0	0.0	14.0	0.80	0.00	1.87	0.17	0.00	0.26
6	0	0	117	11	127.5	0.0	0.0	10.6	0.00	0.00	1.36	0.00	0.00	0.26
7	0	675	675	11	127.5	0.0	0.0	61.4	0.00	0.00	5.91	0.00	0.00	0.63
8	0	1262	1262	11	127.5	0.0	114.7	114.7	0.00	13.92	13.92	0.00	0.77	0.77
9	0	2113	2113	11	127.5	0.0	192.1	192.1	0.00	21.27	21.27	0.00	1.00	1.00
10	0	690	690	11	127.5	0.0	62.7	62.7	0.00	7.55	7.55	0.00	0.56	0.56
11	0	341	341	11	135.0	0.0	31.0	31.0	0.00	4.05	4.05	0.00	0.39	0.39
12	0	157	157	14	172.5	0.0	11.2	11.2	0.00	1.23	1.23	0.00	0.26	0.26
BIOYEAR=58														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	49	812	861	11	135.0	4.5	73.8	78.3	0.54	9.00	9.54	0.14	0.57	0.58
2	434	1299	1735	11	127.5	39.4	118.1	157.7	5.28	15.73	21.01	0.43	0.60	0.65
3	96	317	413	12	142.5	8.0	26.4	34.4	1.07	3.52	4.59	0.19	0.33	0.36
4	56	147	203	11	127.5	5.1	13.4	18.5	0.68	1.78	2.46	0.15	0.27	0.31
5	79	333	412	11	127.5	7.2	30.3	37.5	0.96	4.04	4.99	0.19	0.38	0.42
6	0	237	237	11	127.5	0.0	21.5	21.5	0.00	2.72	2.72	0.00	0.38	0.38
7	0	3179	3179	12	142.5	0.0	264.9	264.9	0.00	31.82	31.82	0.00	0.94	0.94
11	0	324	324	10	120.0	0.0	32.4	32.4	0.00	3.49	3.49	0.00	0.42	0.42
12	0	0	42	3	45.0	0.0	0.0	14.0	0.00	0.00	0.93	0.00	0.00	0.19
BIOYEAR=59														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	8	0	446	11	127.5	0.7	0.0	40.5	0.10	0.00	5.39	0.03	0.00	0.38
2	57	170	227	15	187.5	3.8	11.3	15.1	0.51	1.51	2.02	0.12	0.21	0.24
3	49	164	213	11	127.5	4.5	14.9	19.4	0.59	1.99	2.58	0.14	0.27	0.31
4	32	0	70	11	127.5	2.9	0.0	6.4	0.39	0.00	0.85	0.12	0.00	0.20
5	71	302	373	11	127.5	6.5	27.5	33.9	0.86	3.66	4.52	0.14	0.30	0.33
6	0	113	113	11	127.5	0.0	0.0	10.3	0.00	0.00	1.22	0.00	0.00	0.27
12	0	51	51	11	135.0	0.0	4.6	4.6	0.00	0.51	0.51	0.00	0.14	0.14
BIOYEAR=60														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	17	274	291	10	135.0	1.7	27.4	29.1	0.15	2.35	2.50	0.05	0.31	0.32
2	146	433	579	9	112.5	16.2	48.1	64.3	2.07	6.17	8.24	0.25	0.42	0.47
3	88	295	383	6	97.5	11.0	36.9	47.9	1.36	4.54	5.90	0.25	0.46	0.51
4	0	0	1282	6	75.0	0.0	0.0	213.7	0.00	0.00	22.51	0.00	0.00	0.96
11	0	142	142	4	60.0	0.0	35.5	35.5	0.00	2.37	2.37	0.00	0.32	0.32
12	0	0	462	6	67.5	0.0	0.0	77.0	0.00	0.00	10.17	0.00	0.00	0.44
BIOYEAR=61														
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	272	6	67.5	0.0	0.0	45.3	0.00	0.00	5.93	0.00	0.00	0.57
2	66	0	123	6	67.5	11.0	0.0	20.5	1.47	0.00	2.73	0.28	0.00	0.39
3	20	66	86	6	67.5	3.3	11.0	14.3	0.45	1.47	1.91	0.13	0.27	0.31
4	31	0	60	6	67.5	5.2	0.0	10.0	0.69	0.00	1.33	0.17	0.00	0.25
5	1	0	9	6	67.5	0.2	0.0	1.5	0.02	0.00	0.19	0.01	0.00	0.07
6	0	0	142	6	67.5	0.0	0.0	23.7	0.00	0.00	2.82	0.00	0.00	0.39
7	0	0	237	6	67.5	0.0	0.0	39.5	0.00	0.00	4.89	0.00	0.00	0.46
8	0	0	1073	6	67.5	0.0	0.0	178.8	0.00	0.00	17.51	0.00	0.00	0.79
9	0	0	1247	6	67.5	0.0	0.0	207.8	0.00	0.00	22.93	0.00	0.00	0.99
10	0	0	472	6	67.5	0.0	0.0	78.7	0.00	0.00	6.34	0.00	0.00	0.51
11	0	0	456	5	52.5	0.0	0.0	91.2	0.00	0.00	11.93	0.00	0.00	0.55
12	0	0	200	6	67.5	0.0	0.0	33.3	0.00	0.00	4.32	0.00	0.00	0.45

WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	25	0	54	6	67.5	4.2	0.0	9.0	0.54	0.00	1.20	0.15	0.00	0.25
2	14	0	40	6	67.5	2.3	0.0	6.7	0.31	0.00	0.88	0.10	0.00	0.19
3	1	0	111	6	67.5	0.2	0.0	18.5	0.02	0.00	2.47	0.01	0.00	0.37
4	0	0	5	3	37.5	0.0	0.0	1.7	0.00	0.00	0.22	0.00	0.00	0.07
5	0	0	1	3	45.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
6	0	0	345	5	60.0	0.0	0.0	69.0	0.00	0.00	8.12	0.00	0.00	0.61
7	0	0	137	5	60.0	0.0	0.0	27.4	0.00	0.00	3.39	0.00	0.00	0.43
8	0	0	1334	4	52.5	0.0	0.0	333.5	0.00	0.00	40.80	0.00	0.00	0.95
9	0	0	2605	6	67.5	0.0	0.0	436.2	0.00	0.00	51.99	0.00	0.00	1.30
10	0	0	1254	7	82.5	0.0	0.0	179.4	0.00	0.00	21.48	0.00	0.00	0.74
11	0	0	266	7	82.5	0.0	0.0	38.0	0.00	0.00	3.61	0.00	0.00	0.51
12	0	0	188	6	67.5	0.0	0.0	31.3	0.00	0.00	3.21	0.00	0.00	0.49

BIOYEAR=63

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	88	7	82.5	0.0	0.0	12.6	0.00	0.00	1.31	0.00	0.00	0.28
2	4	0	46	7	82.5	0.6	0.0	6.6	0.07	0.00	0.80	0.03	0.00	0.18
3	18	0	94	7	82.5	2.6	0.0	13.4	0.32	0.00	1.70	0.08	0.00	0.24
4	0	0	17	7	82.5	0.0	0.0	2.4	0.00	0.00	0.32	0.00	0.00	0.10
5	3	10	13	7	82.5	0.4	1.4	1.9	0.06	0.19	0.25	0.02	0.07	0.08
6	0	0	563	7	82.5	0.0	0.0	80.4	0.00	0.00	9.91	0.00	0.00	0.55
7	0	0	1141	6	45.0	0.0	0.0	190.2	0.00	0.00	25.35	0.00	0.00	1.26
8	0	0	3727	18	230.0	0.0	0.0	207.1	0.00	0.00	19.77	0.00	0.00	0.89
9	0	0	520	7	82.5	0.0	0.0	74.3	0.00	0.00	8.22	0.00	0.00	0.67
10	0	0	498	7	82.5	0.0	0.0	71.1	0.00	0.00	7.03	0.00	0.00	0.63
11	0	0	126	7	82.5	0.0	0.0	18.0	0.00	0.00	1.69	0.00	0.00	0.32
12	0	0	133	7	82.5	0.0	0.0	19.0	0.00	0.00	2.07	0.00	0.00	0.39

BIOYEAR=64

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	34	0	699	15	200.0	2.3	0.0	46.6	0.25	0.00	5.26	0.08	0.00	0.40
2	34	0	311	14	187.5	2.4	0.0	22.2	0.18	0.00	1.63	0.06	0.00	0.26
3	0	0	32	12	157.5	0.0	0.0	4.3	0.00	0.00	0.56	0.00	0.00	0.10
4	10	0	88	12	157.5	0.8	0.0	7.3	0.11	0.00	0.88	0.04	0.00	0.17
5	35	0	434	12	157.5	2.9	0.0	36.2	0.26	0.00	3.18	0.08	0.00	0.44
6	0	0	109	7	82.5	0.0	0.0	15.6	0.00	0.00	1.53	0.00	0.00	0.34
7	0	0	2395	11	142.5	0.0	0.0	217.7	0.00	0.00	15.55	0.00	0.00	0.85
8	0	0	6043	20	277.5	0.0	0.0	302.1	0.00	0.00	22.25	0.00	0.00	1.01
9	0	0	2044	13	165.0	0.0	0.0	157.2	0.00	0.00	16.61	0.00	0.00	0.80
10	0	0	1099	17	217.5	0.0	0.0	64.6	0.00	0.00	6.85	0.00	0.00	0.61
11	0	0	675	16	168.5	0.0	0.0	48.2	0.00	0.00	4.83	0.00	0.00	0.42
12	0	0	257	13	172.5	0.0	0.0	19.8	0.00	0.00	1.69	0.00	0.00	0.31

BIOYEAR=65

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	10	0	141	12	157.5	0.8	0.0	11.8	0.07	0.00	0.93	0.03	0.00	0.21
2	30	0	209	13	149.5	2.3	0.0	16.1	0.23	0.00	1.56	0.07	0.00	0.27
3	33	0	352	19	262.5	1.7	0.0	18.5	0.13	0.00	1.41	0.05	0.00	0.27
4	0	0	79	14	210.0	0.0	0.0	5.6	0.00	0.00	0.38	0.00	0.00	0.12
5	0	0	195	15	195.0	0.0	0.0	13.0	0.00	0.00	0.96	0.00	0.00	0.33
6	0	0	507	11	157.5	0.0	0.0	46.1	0.00	0.00	3.60	0.00	0.00	0.39
7	0	0	1627	21	262.5	0.0	0.0	77.5	0.00	0.00	6.97	0.00	0.00	0.58
8	0	0	3355	14	180.0	0.0	0.0	239.6	0.00	0.00	16.49	0.00	0.00	0.75
9	0	0	1503	19	255.0	0.0	0.0	79.1	0.00	0.00	6.98	0.00	0.00	0.57
10	0	0	1113	22	300.0	0.0	0.0	50.6	0.00	0.00	4.20	0.00	0.00	0.44
11	0	0	872	14	180.0	0.0	0.0	62.3	0.00	0.00	6.04	0.00	0.00	0.59
12	0	0	452	15	202.5	0.0	0.0	30.1	0.00	0.00	2.21	0.00	0.00	0.38

BIOYEAR=66

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	193	15	210.0	0.0	0.0	12.9	0.00	0.00	1.11	0.00	0.00	0.21
2	139	0	334	14	180.0	9.9	0.0	24.0	1.29	0.00	3.12	0.18	0.00	0.27
3	113	0	113	20	240.0	2.7	0.0	5.7	0.31	0.00	0.65	0.04	0.00	0.13
4	85	0	138	11	120.0	7.7	0.0	12.5	1.03	0.00	1.67	0.21	0.00	0.28
5	34	0	265	16	210.0	2.2	0.0	16.6	0.22	0.00	1.63	0.07	0.00	0.28
6	0	0	488	14	180.0	0.0	0.0	34.9	0.00	0.00	3.57	0.00	0.00	0.37
7	0	0	699	15	195.0	0.0	0.0	46.6	0.00	0.00	4.64	0.00	0.00	0.51
8	0	0	1636	13	165.0	0.0	0.0	125.8	0.00	0.00	11.31	0.00	0.00	0.61
9	0	0	3457	15	197.5	0.0	0.0	230.5	0.00	0.00	21.68	0.00	0.00	0.93
10	0	0	1146	25	345.0	0.0	0.0	45.8	0.00	0.00	3.61	0.00	0.00	0.38
11	0	0	231	15	195.0	0.0	0.0	15.4	0.00	0.00	1.49	0.00	0.00	0.29
12	0	0	293	15	195.0	0.0	0.0	19.5	0.00	0.00	1.81	0.00	0.00	0.33

BIOYEAR=67

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	184	19	247.5	0.1	0.0	9.7	0.00	0.00	0.85	0.00	0.00	0.21
2	34	0	319	19	254.0	1.8	0.0	16.8	0.21	0.00	2.00	0.06	0.00	0.23
3	154	0	611	19	255.0	8.2	0.0	32.2	0.79	0.00	3.10	0.16	0.00	0.27
4	136	0	591	19	255.0	7.2	0.0	31.1	0.77	0.00	3.35	0.15	0.00	0.30
5	64	0	287	19	249.0	3.5	0.0	15.1	0.36	0.00	1.53	0.11	0.00	0.29
6	0	0	1854	19	247.5	0.0	0.0	97.6	0.00	0.00	7.60	0.00	0.00	0.70
7	0	0	2109	19	230.0	0.0	0.0	111.0	0.00	0.00	10.47	0.00	0.00	0.69
8	0	0	1692	12	176.0	0.0	0.0	141.0	0.00	0.00	10.83	0.00	0.00	0.65
9	0	0	1472	13	197.5	0.0	0.0	113.2	0.00	0.00	11.37	0.00	0.00	0.78
10	0	0	1549	14	169.5	0.0	0.0	110.6	0.00	0.00	13.73	0.00	0.00	0.65
11	0	0	1081	21	245.0	0.0	0.0	51.5	0.00	0.00	4.98	0.00	0.00	0.41
12	0	0	770	21	277.5	0.0	0.0	36.7	0.00	0.00	3.49	0.00	0.00	0.40

WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	1160	21	270.0	0.0	0.0	55.2	0.00	0.00	5.88	0.00	0.00	0.40
2	12	0	668	19	240.0	0.6	0.0	35.2	0.07	0.00	3.87	0.03	0.00	0.34
3	38	0	286	29	294.0	1.3	0.0	9.9	0.19	0.00	1.48	0.06	0.00	0.26
4	0	0	180	21	261.5	0.0	0.0	8.6	0.00	0.00	0.86	0.00	0.00	0.17
5	10	0	417	21	270.0	0.5	0.0	19.9	0.06	0.00	2.52	0.02	0.00	0.19
6	0	0	852	21	270.0	0.0	0.0	40.6	0.00	0.00	3.50	0.00	0.00	0.42
7	0	0	3344	24	235.0	0.0	0.0	139.3	0.00	0.00	11.98	0.00	0.00	0.76
8	0	0	4258	21	272.5	0.0	0.0	202.8	0.00	0.00	15.77	0.00	0.00	0.86
9	0	0	1767	21	267.0	0.0	0.0	84.1	0.00	0.00	7.69	0.00	0.00	0.56
10	0	0	2057	22	282.0	0.0	0.0	93.5	0.00	0.00	8.29	0.00	0.00	0.61
11	0	0	697	22	285.0	0.0	0.0	31.7	0.00	0.00	2.82	0.00	0.00	0.42
12	0	0	631	22	270.0	0.0	0.0	28.7	0.00	0.00	3.34	0.00	0.00	0.41

BIOYEAR=69

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	7	0	410	22	257.5	0.3	0.0	18.6	0.03	0.00	1.93	0.01	0.00	0.30
2	48	0	211	22	277.5	2.2	0.0	9.6	0.23	0.00	1.02	0.07	0.00	0.20
3	106	0	287	21	250.0	5.0	0.0	13.7	0.56	0.00	1.52	0.13	0.00	0.25
4	31	0	134	22	266.0	1.4	0.0	6.1	0.16	0.00	0.69	0.05	0.00	0.15
5	14	0	101	22	253.5	0.6	0.0	4.6	0.08	0.00	0.56	0.03	0.00	0.14
6	0	0	873	22	271.0	0.0	0.0	39.7	0.00	0.00	3.03	0.00	0.00	0.37
7	0	0	2087	22	270.0	0.0	0.0	94.9	0.00	0.00	7.65	0.00	0.00	0.74
8	0	0	1581	15	186.0	0.0	0.0	105.4	0.00	0.00	10.02	0.00	0.00	0.58
9	0	0	1207	22	265.0	0.0	0.0	54.9	0.00	0.00	4.81	0.00	0.00	0.45
10	0	0	708	21	237.5	0.0	0.0	33.7	0.00	0.00	3.84	0.00	0.00	0.39
11	0	0	425	22	262.5	0.0	0.0	19.3	0.00	0.00	1.85	0.00	0.00	0.28
12	0	0	512	22	264.0	0.0	0.0	23.3	0.00	0.00	2.43	0.00	0.00	0.31

BIOYEAR=70

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	16	0	173	22	260.0	0.7	0.0	7.9	0.09	0.00	1.00	0.03	0.00	0.13
2	99	0	273	22	270.0	4.5	0.0	12.4	0.55	0.00	1.52	0.12	0.00	0.23
3	8	0	47	22	270.0	0.4	0.0	2.1	0.04	0.00	0.22	0.02	0.00	0.07
4	48	0	106	22	260.0	2.2	0.0	4.8	0.23	0.00	0.51	0.06	0.00	0.11
5	254	0	453	21	255.0	12.1	0.0	21.6	1.59	0.00	2.84	0.18	0.00	0.23
6	0	0	824	22	259.0	0.0	0.0	37.5	0.00	0.00	2.83	0.00	0.00	0.29
7	0	0	3834	21	255.0	0.0	0.0	182.6	0.00	0.00	14.80	0.00	0.00	0.79
8	0	0	8092	22	270.0	0.0	0.0	367.8	0.00	0.00	28.54	0.00	0.00	0.99
9	0	0	22946	16	210.0	0.0	0.0	1434.1	0.00	0.00	99.99	0.00	0.00	1.91
10	0	0	2897	22	270.0	0.0	0.0	131.7	0.00	0.00	10.06	0.00	0.00	0.55
11	0	0	837	44	375.0	0.0	0.0	19.0	0.00	0.00	1.58	0.00	0.00	0.20
12	0	0	635	22	270.0	0.0	0.0	28.9	0.00	0.00	2.40	0.00	0.00	0.31

BIOYEAR=71

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	13	0	536	61	455.0	0.2	0.0	8.8	0.02	0.00	0.66	0.01	0.00	0.09
2	288	0	981	81	562.0	3.6	0.0	12.1	0.31	0.00	1.06	0.06	0.00	0.11
3	234	0	742	60	460.0	3.9	0.0	12.4	0.33	0.00	1.04	0.07	0.00	0.13
4	429	0	1021	60	460.0	7.2	0.0	17.0	0.71	0.00	1.71	0.09	0.00	0.16
5	11	0	128	60	475.0	0.2	0.0	2.1	0.02	0.00	0.26	0.01	0.00	0.07
6	0	0	178	60	462.5	0.0	0.0	3.0	0.00	0.00	0.44	0.00	0.00	0.09
7	0	0	7426	60	452.5	0.0	0.0	123.8	0.00	0.00	8.90	0.00	0.00	0.36
8	0	0	1428	60	400.0	0.0	0.0	23.8	0.00	0.00	3.80	0.00	0.00	0.31
9	0	0	4535	60	450.0	0.0	0.0	75.6	0.00	0.00	6.58	0.00	0.00	0.35
10	0	0	607	60	442.0	0.0	0.0	10.1	0.00	0.00	1.07	0.00	0.00	0.17
11	0	0	1400	35	327.5	0.0	0.0	40.0	0.00	0.00	3.66	0.00	0.00	0.32
12	0	0	621	35	335.0	0.0	0.0	17.7	0.00	0.00	1.75	0.00	0.00	0.25

BIOYEAR=72

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	36	0	846	54	477.5	0.7	0.0	15.7	0.05	0.00	1.27	0.02	0.00	0.16
2	2	0	99	54	292.5	0.0	0.0	1.8	0.00	0.00	0.26	0.00	0.00	0.06
3	4	0	117	66	387.5	0.1	0.0	1.8	0.01	0.00	0.25	0.00	0.00	0.06
4	0	0	3	18	90.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
5	11	0	855	86	430.0	0.1	0.0	9.9	0.03	0.00	1.99	0.01	0.00	0.20
6	0	0	189	57	285.0	0.0	0.0	3.3	0.00	0.00	0.66	0.00	0.00	0.15
7	0	0	507	45	225.0	0.0	0.0	11.3	0.00	0.00	2.25	0.00	0.00	0.34
8	0	0	537	45	225.0	0.0	0.0	11.9	0.00	0.00	2.39	0.00	0.00	0.22
9	0	0	408	44	220.0	0.0	0.0	9.3	0.00	0.00	1.85	0.00	0.00	0.34
10	0	0	19	11	55.0	0.0	0.0	1.7	0.00	0.00	0.35	0.00	0.00	0.08
11	0	0	74	47	235.0	0.0	0.0	1.6	0.00	0.00	0.31	0.00	0.00	0.09
12	0	0	211	71	355.0	0.0	0.0	3.0	0.00	0.00	0.59	0.00	0.00	0.12

BIOYEAR=73

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	313	105	695.0	0.0	0.0	3.0	0.00	0.00	0.54	0.00	0.00	0.07
2	301	0	489	65	325.0	4.6	0.0	7.5	0.93	0.00	1.50	0.13	0.00	0.17
3	180	0	262	65	325.0	2.8	0.0	4.0	0.55	0.00	0.81	0.10	0.00	0.13
4	2034	0	2591	79	395.0	25.7	0.0	32.8	5.15	0.00	6.56	0.15	0.00	0.17
5	145	0	238	79	395.0	1.8	0.0	3.0	0.37	0.00	0.60	0.10	0.00	0.14
8	0	0	6407	74	370.0	0.0	0.0	86.6	0.00	0.00	17.32	0.00	0.00	0.61
9	0	0	1702	125	625.0	0.0	0.0	13.6	0.00	0.00	2.72	0.00	0.00	0.25
10	0	0	924	75	375.0	0.0	0.0	12.3	0.00	0.00	2.46	0.00	0.00	0.35

BIOYEAR=74

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	0	0	0	50	253.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	118	0	255	25	125.0	4.7	0.0	10.2	0.94	0.00	2.04	0.15	0.00	0.22
4	241	0	620	13	65.0	18.5	0.0	47.7	3.71	0.00	9.54	0.53	0.00	0.80
8	0	0	7115	134	670.0	0.0	0.0	53.1	0.00	0.00	10.62	0.00	0.00	0.58
9	0	0	52	80	400.0	0.0	0.0	0.7	0.00	0.00	0.13	0.00	0.00	0.03
10	0	0	1	16	80.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00



WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	1	0	81	217	1085.0	0.0	0.0	0.4	0.00	0.00	0.07	0.00	0.00	0.02
8	0	0	1240	140	700.0	0.0	0.0	8.9	0.00	0.00	1.77	0.00	0.00	0.23
9	0	0	7771	77	385.0	0.0	0.0	100.9	0.00	0.00	20.18	0.00	0.00	0.48
10	0	0	1	23	115.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=76

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	0	0	328	359	1795.0	0.0	0.0	0.9	0.00	0.00	0.18	0.00	0.00	0.04
10	0	0	3225	174	870.0	0.0	0.0	18.5	0.00	0.00	3.71	0.00	0.00	0.21

BIOYEAR=77

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	565	0	1261	354	1770.0	1.7	0.0	3.6	0.33	0.00	0.71	0.05	0.00	0.07
3	0	0	24	45	225.0	0.0	0.0	0.5	0.00	0.00	0.11	0.00	0.00	0.04
8	0	0	2156	48	240.0	0.0	0.0	44.9	0.00	0.00	8.98	0.00	0.00	0.37
9	0	0	379	165	825.0	0.0	0.0	2.3	0.00	0.00	0.46	0.00	0.00	0.07
10	0	0	2052	47	235.0	0.0	0.0	43.7	0.00	0.00	8.73	0.00	0.00	0.44

BIOYEAR=78

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1653	0	2254	64	317.0	25.8	0.0	35.2	5.28	0.00	7.19	0.51	0.00	0.58
2	2764	0	3277	252	1260.0	11.0	0.0	13.0	2.19	0.00	2.60	0.18	0.00	0.19
3	0	0	11	27	135.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.03
7	0	0	759	87	435.0	0.0	0.0	8.7	0.00	0.00	1.74	0.00	0.00	0.25
8	0	0	5735	282	1410.0	0.0	0.0	20.3	0.00	0.00	4.07	0.00	0.00	0.29
9	0	0	1364	70	350.0	0.0	0.0	19.5	0.00	0.00	3.90	0.00	0.00	0.22
10	0	0	696	76	380.0	0.0	0.0	9.2	0.00	0.00	1.83	0.00	0.00	0.21
12	0	0	190	26	130.0	0.0	0.0	7.3	0.00	0.00	1.46	0.00	0.00	0.25

BIOYEAR=79

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	50	0	299	32	160.0	1.6	0.0	9.3	0.31	0.00	1.87	0.07	0.00	0.19
2	3	0	273	39	194.0	0.1	0.0	7.0	0.02	0.00	1.40	0.01	0.00	0.15
3	16	0	125	32	160.0	0.5	0.0	4.8	0.10	0.00	0.97	0.03	0.00	0.14
4	17	0	157	32	160.0	0.5	0.0	4.9	0.11	0.00	0.98	0.03	0.00	0.14
5	14	0	88	31	155.0	0.5	0.0	2.8	0.09	0.00	0.57	0.03	0.00	0.12
6	0	0	378	32	160.0	0.0	0.0	11.8	0.00	0.00	2.36	0.00	0.00	0.35
7	0	0	1507	37	184.0	0.0	0.0	40.7	0.00	0.00	8.16	0.00	0.00	0.64
8	0	0	2480	28	140.0	0.0	0.0	88.6	0.00	0.00	17.71	0.00	0.00	0.92
9	0	0	3196	46	230.0	0.0	0.0	69.5	0.00	0.00	13.90	0.00	0.00	0.58
10	0	0	2042	42	210.0	0.0	0.0	48.6	0.00	0.00	9.72	0.00	0.00	0.55
11	0	0	337	15	75.0	0.0	0.0	22.5	0.00	0.00	4.49	0.00	0.00	0.47
12	0	0	137	34	170.0	0.0	0.0	4.0	0.00	0.00	0.81	0.00	0.00	0.16

BIOYEAR=80

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	30	0	593	35	175.0	0.9	0.0	16.9	0.17	0.00	3.39	0.03	0.00	0.17
2	9	0	111	35	175.0	0.3	0.0	3.2	0.05	0.00	0.63	0.02	0.00	0.13
3	4	0	37	34	170.0	0.1	0.0	1.1	0.02	0.00	0.22	0.01	0.00	0.05
4	86	0	291	53	260.0	1.6	0.0	5.5	0.32	0.00	1.10	0.07	0.00	0.13
5	10	0	54	25	125.0	0.4	0.0	2.2	0.08	0.00	0.43	0.03	0.00	0.11
6	0	0	960	36	180.0	0.0	0.0	26.7	0.00	0.00	5.37	0.00	0.00	0.45
7	0	0	1907	49	245.0	0.0	0.0	38.9	0.00	0.00	7.78	0.00	0.00	0.61
8	0	0	661	43	215.0	0.0	0.0	15.4	0.00	0.00	3.07	0.00	0.00	0.25
9	0	0	2490	31	152.0	0.0	0.0	80.3	0.00	0.00	16.35	0.00	0.00	0.52
10	0	0	1401	35	175.0	0.0	0.0	40.0	0.00	0.00	8.01	0.00	0.00	0.36
11	0	0	40	17	85.0	0.0	0.0	2.4	0.00	0.00	0.47	0.00	0.00	0.13
12	0	0	367	36	178.0	0.0	0.0	10.2	0.00	0.00	2.04	0.00	0.00	0.13

BIOYEAR=81

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	9	0	161	35	175.0	0.3	0.0	4.6	0.05	0.00	0.92	0.02	0.00	0.12
2	22	0	309	36	191.0	0.6	0.0	8.1	0.12	0.00	1.63	0.02	0.00	0.11
3	7	0	31	24	120.0	0.3	0.0	1.3	0.06	0.00	0.26	0.02	0.00	0.08
4	64	0	373	37	185.0	1.7	0.0	10.1	0.35	0.00	2.02	0.04	0.00	0.11
5	14	0	202	38	190.0	0.4	0.0	5.3	0.07	0.00	1.06	0.02	0.00	0.14
6	0	0	641	37	182.5	0.0	0.0	17.3	0.00	0.00	3.46	0.00	0.00	0.44
7	0	0	2379	47	235.0	0.0	0.0	50.6	0.00	0.00	10.12	0.00	0.00	0.58
8	0	0	232	11	55.0	0.0	0.0	21.1	0.00	0.00	4.22	0.00	0.00	0.47
9	0	0	3502	48	240.0	0.0	0.0	73.0	0.00	0.00	14.59	0.00	0.00	0.55
10	0	0	894	46	230.0	0.0	0.0	19.4	0.00	0.00	3.89	0.00	0.00	0.36
11	0	0	302	52	260.0	0.0	0.0	5.8	0.00	0.00	1.16	0.00	0.00	0.17
12	0	0	218	37	185.0	0.0	0.0	5.9	0.00	0.00	1.18	0.00	0.00	0.15

BIOYEAR=82

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	84	0	180	38	190.0	2.2	0.0	4.7	0.44	0.00	0.95	0.10	0.00	0.16
2	628	0	1385	38	190.0	16.2	0.0	36.4	3.31	0.00	7.29	0.19	0.00	0.25
3	116	0	190	46	230.0	2.5	0.0	4.1	0.50	0.00	0.83	0.09	0.00	0.11
4	38	0	95	48	238.0	0.8	0.0	2.0	0.16	0.00	0.40	0.04	0.00	0.06
5	55	0	316	48	236.0	1.1	0.0	6.6	0.23	0.00	1.32	0.06	0.00	0.17
6	0	0	1834	47	235.0	0.0	0.0	39.0	0.00	0.00	7.80	0.00	0.00	0.47
7	0	0	2138	48	240.0	0.0	0.0	44.5	0.00	0.00	8.91	0.00	0.00	0.35
8	0	0	1851	32	160.0	0.0	0.0	57.8	0.00	0.00	11.57	0.00	0.00	0.43
9	0	0	7490	54	270.0	0.0	0.0	137.7	0.00	0.00	27.74	0.00	0.00	0.47
10	0	0	728	14	70.0	0.0	0.0	52.0	0.00	0.00	10.40	0.00	0.00	0.50
11	0	0	89	15	75.0	0.0	0.0	5.9	0.00	0.00	1.19	0.00	0.00	0.18
12	0	0	488	40	200.0	0.0	0.0	12.2	0.00	0.00	2.44	0.00	0.00	0.22

WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=83

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	5	0	512	39	195.0	0.1	0.0	13.1	0.03	0.00	2.63	0.01	0.00	0.15
2	16	0	268	39	195.0	0.4	0.0	6.9	0.08	0.00	1.37	0.03	0.00	0.15
3	2	0	76	38	186.0	0.1	0.0	2.0	0.01	0.00	0.40	0.00	0.00	0.06
4	0	0	16	38	192.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.03
5	2	0	67	65	325.0	0.0	0.0	1.0	0.01	0.00	0.21	0.00	0.00	0.04
6	0	0	783	50	250.0	0.0	0.0	15.7	0.00	0.00	3.13	0.00	0.00	0.37
7	0	0	2939	39	194.0	0.0	0.0	75.4	0.00	0.00	15.18	0.00	0.00	0.63
8	0	0	1193	30	95.0	0.0	0.0	62.8	0.00	0.00	12.56	0.00	0.00	0.43
9	0	0	141	13	19.0	0.0	0.0	10.8	0.00	0.00	2.17	0.00	0.00	0.32
10	0	0	1686	38	190.0	0.0	0.0	44.4	0.00	0.00	8.87	0.00	0.00	0.62
11	0	0	420	45	222.5	0.0	0.0	9.3	0.00	0.00	1.88	0.00	0.00	0.25
12	0	0	234	50	250.0	0.0	0.0	4.7	0.00	0.00	0.94	0.00	0.00	0.19

BIOYEAR=84

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	374	48	237.5	0.0	0.0	7.8	0.00	0.00	1.56	0.00	0.00	0.23
2	235	0	844	47	235.0	5.0	0.0	18.0	1.00	0.00	3.59	0.15	0.00	0.28
3	88	0	602	46	230.0	1.9	0.0	13.1	0.38	0.00	2.62	0.08	0.00	0.21
4	33	0	90	37	185.0	0.9	0.0	2.4	0.18	0.00	0.49	0.06	0.00	0.11
5	165	0	591	49	245.0	3.4	0.0	12.1	0.67	0.00	2.41	0.13	0.00	0.26
6	0	0	648	49	245.0	0.0	0.0	13.2	0.00	0.00	2.64	0.00	0.00	0.32
7	0	0	495	12	60.0	0.0	0.0	41.2	0.00	0.00	8.25	0.00	0.00	0.44
8	0	0	1193	19	95.0	0.0	0.0	62.8	0.00	0.00	12.56	0.00	0.00	0.43
9	0	0	141	13	65.0	0.0	0.0	10.8	0.00	0.00	2.17	0.00	0.00	0.32
10	0	0	1686	38	190.0	0.0	0.0	44.4	0.00	0.00	8.87	0.00	0.00	0.62
11	0	0	420	45	222.5	0.0	0.0	9.3	0.00	0.00	1.88	0.00	0.00	0.25
12	0	0	234	50	250.0	0.0	0.0	4.7	0.00	0.00	0.94	0.00	0.00	0.19

BIOYEAR=84

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	374	48	237.5	0.0	0.0	7.8	0.00	0.00	1.56	0.00	0.00	0.23
2	235	0	844	47	235.0	5.0	0.0	18.0	1.00	0.00	3.59	0.15	0.00	0.28
3	88	0	602	46	230.0	1.9	0.0	13.1	0.38	0.00	2.62	0.08	0.00	0.21
4	33	0	90	37	185.0	0.9	0.0	2.4	0.18	0.00	0.49	0.06	0.00	0.11
5	165	0	591	49	245.0	3.4	0.0	12.1	0.67	0.00	2.41	0.13	0.00	0.26
6	0	0	648	49	245.0	0.0	0.0	13.2	0.00	0.00	2.64	0.00	0.00	0.32
7	0	0	495	12	60.0	0.0	0.0	41.2	0.00	0.00	8.25	0.00	0.00	0.44
8	0	0	2324	36	180.0	0.0	0.0	64.6	0.00	0.00	12.91	0.00	0.00	0.47
9	0	0	2445	26	131.0	0.0	0.0	94.0	0.00	0.00	18.81	0.00	0.00	0.70
10	0	0	420	26	130.0	0.0	0.0	15.4	0.00	0.00	3.08	0.00	0.00	0.41
11	0	0	371	26	130.0	0.0	0.0	14.3	0.00	0.00	2.95	0.00	0.00	0.40
12	0	0	458	35	175.0	0.0	0.0	13.1	0.00	0.00	2.62	0.00	0.00	0.21

BIOYEAR=85

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	18	12	60.0	0.0	0.0	1.5	0.00	0.00	0.30	0.00	0.00	0.09
2	0	0	13	38	189.0	0.0	0.0	0.3	0.00	0.00	0.07	0.00	0.00	0.02
3	0	0	94	22	110.0	0.0	0.0	4.3	0.00	0.00	0.85	0.00	0.00	0.08
4	0	0	79	27	135.0	0.0	0.0	2.9	0.00	0.00	0.59	0.00	0.00	0.12
5	0	0	216	45	225.0	0.0	0.0	4.8	0.00	0.00	0.96	0.00	0.00	0.18
6	0	0	3417	22	110.0	0.0	0.0	155.3	0.00	0.00	31.06	0.00	0.00	0.68
7	0	0	1176	24	120.0	0.0	0.0	49.0	0.00	0.00	9.80	0.00	0.00	0.56
8	0	0	228	25	125.0	0.0	0.0	9.1	0.00	0.00	1.82	0.00	0.00	0.21
9	0	0	172	24	120.0	0.0	0.0	7.2	0.00	0.00	1.43	0.00	0.00	0.25
10	0	0	185	37	185.0	0.0	0.0	5.0	0.00	0.00	1.00	0.00	0.00	0.18

BIOYEAR=86

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	68	0	130	35	175.0	1.9	0.0	3.7	0.39	0.00	0.74	0.09	0.00	0.14
2	18	0	31	37	185.0	0.5	0.0	0.8	0.10	0.00	0.17	0.03	0.00	0.04
3	5	0	16	39	196.0	0.1	0.0	0.4	0.03	0.00	0.08	0.01	0.00	0.03
4	1	0	205	35	175.0	0.0	0.0	5.9	0.01	0.00	1.17	0.00	0.00	0.11
5	0	0	109	37	185.0	0.0	0.0	2.9	0.00	0.00	0.59	0.00	0.00	0.14
6	0	0	638	34	180.0	0.0	0.0	17.7	0.00	0.00	3.54	0.00	0.00	0.44
7	0	0	810	23	115.0	0.0	0.0	35.2	0.00	0.00	7.04	0.00	0.00	0.50
8	0	0	168	23	115.0	0.0	0.0	7.3	0.00	0.00	1.46	0.00	0.00	0.21
9	0	0	947	24	120.0	0.0	0.0	39.9	0.00	0.00	7.89	0.00	0.00	0.49
10	0	0	425	23	115.0	0.0	0.0	18.5	0.00	0.00	3.70	0.00	0.00	0.36
11	0	0	262	24	120.0	0.0	0.0	10.9	0.00	0.00	2.18	0.00	0.00	0.27
12	0	0	198	36	180.0	0.0	0.0	5.5	0.00	0.00	1.10	0.00	0.00	0.20

BIOYEAR=87

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	15	0	103	37	185.0	0.4	0.0	2.8	0.08	0.00	0.56	0.03	0.00	0.12
2	9	0	136	33	165.0	0.3	0.0	4.1	0.05	0.00	0.82	0.02	0.00	0.09
3	0	0	5	34	161.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
4	2	0	81	34	160.0	0.1	0.0	2.5	0.01	0.00	0.51	0.00	0.00	0.09
5	0	0	132	34	170.0	0.0	0.0	3.9	0.00	0.00	0.78	0.00	0.00	0.16
6	0	0	647	34	170.0	0.0	0.0	19.0	0.00	0.00	3.81	0.00	0.00	0.31
12	0	0	24	34	170.0	0.0	0.0	0.7	0.00	0.00	0.14	0.00	0.00	0.04

BIOYEAR=88

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	15	34	170.0	0.0	0.0	0.4	0.00	0.00	0.09	0.00	0.00	0.03
2	0	0	38	34	170.0	0.0	0.0	1.1	0.00	0.00	0.22	0.00	0.00	0.05
3	0	0	3	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
4	1	0	48	34	170.0	0.0	0.0	1.4	0.01	0.00	0.28	0.00	0.00	0.05
5	0	0	27	34	170.0	0.0	0.0	0.8	0.00	0.00	0.16	0.00	0.00	0.04
6	0	0	270	32	160.0	0.0	0.0	8.4	0.00	0.00	1.69	0.00	0.00	0.25
7	0	0	3829	21	105.0	0.0	0.0	182.3	0.00	0.00	36.47	0.00	0.00	0.69
8	0	0	1743	25	125.0	0.0	0.0	69.7	0.00	0.00	13.94	0.00	0.00	0.65
9	0	0	1506	25	125.0	0.0	0.0	60.2	0.00	0.00	12.05	0.00	0.00	0.68
10	0	0	800	25	125.0	0.0	0.0	32.0	0.00	0.00	6.40	0.00	0.00	0.48
11	0	0	731	25	125.0	0.0	0.0	29.2	0.00	0.00	5.85	0.00	0.00	0.43
12	0	0	149	34	170.0	0.0	0.0	4.4	0.00	0.00	0.88	0.00	0.00	0.14

WHITE PERCH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=89

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	224	34	170.0	0.0	0.0	6.6	0.01	0.00	1.32	0.00	0.00	0.14
2	91	0	218	34	170.0	2.7	0.0	6.4	0.54	0.00	1.28	0.09	0.00	0.14
3	7	0	162	34	170.0	0.2	0.0	4.8	0.04	0.00	0.95	0.01	0.00	0.11
4	3	0	147	34	170.0	0.1	0.0	4.3	0.02	0.00	0.86	0.01	0.00	0.12
5	14	0	105	34	170.0	0.4	0.0	3.1	0.08	0.00	0.62	0.03	0.00	0.12
6	0	0	370	34	170.0	0.0	0.0	10.9	0.00	0.00	2.18	0.00	0.00	0.25
7	0	0	2432	23	115.0	0.0	0.0	105.7	0.00	0.00	21.15	0.00	0.00	0.72
8	0	0	1180	25	125.0	0.0	0.0	47.2	0.00	0.00	9.44	0.00	0.00	0.67
9	0	0	1000	25	125.0	0.0	0.0	40.0	0.00	0.00	8.00	0.00	0.00	0.60
10	0	0	1219	25	125.0	0.0	0.0	48.8	0.00	0.00	9.75	0.00	0.00	0.57
11	0	0	425	25	125.0	0.0	0.0	17.0	0.00	0.00	3.40	0.00	0.00	0.37
12	0	0	169	34	170.0	0.0	0.0	5.0	0.00	0.00	0.99	0.00	0.00	0.13

BIOYEAR=90

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	54	34	170.0	0.0	0.0	1.6	0.00	0.00	0.32	0.00	0.00	0.07
2	9	0	168	35	175.0	0.3	0.0	4.8	0.05	0.00	0.96	0.02	0.00	0.10
3	0	0	24	34	170.0	0.0	0.0	0.7	0.00	0.00	0.14	0.00	0.00	0.04
4	0	0	74	34	170.0	0.0	0.0	2.2	0.00	0.00	0.44	0.00	0.00	0.06
5	0	0	16	27	135.0	0.0	0.0	0.6	0.00	0.00	0.12	0.00	0.00	0.04
6	0	0	452	34	170.0	0.0	0.0	13.3	0.00	0.00	2.66	0.00	0.00	0.29
7	0	0	866	22	110.0	0.0	0.0	39.4	0.00	0.00	7.87	0.00	0.00	0.63

YOY WHITE PERCH INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	4	17	18	202.5	0.2	0.9	0.03	0.13	0.01	0.03
56	170	672	47	705.0	3.6	14.3	0.24	0.95	0.06	0.14
57	77	197	33	382.5	2.3	6.0	0.31	0.80	0.07	0.14
58	716	3624	56	660.0	12.9	64.7	1.69	8.45	0.22	0.46
59	217	1329	59	697.5	3.7	22.5	0.49	3.00	0.11	0.29
60	251	1253	27	345.0	9.3	46.4	1.15	5.42	0.18	0.43
61	118	550	30	337.5	3.9	18.3	0.52	2.42	0.12	0.32
62	40	211	24	285.0	1.7	8.8	0.22	1.17	0.06	0.21
63	25	258	35	412.5	0.7	7.4	0.09	0.67	0.03	0.18
64	113	1584	65	860.0	1.7	24.4	0.16	2.42	0.05	0.28
65	73	976	73	974.5	1.0	13.4	0.09	1.07	0.03	0.22
66	313	1045	76	960.0	4.1	13.8	0.51	1.55	0.10	0.23
67	393	1992	95	1260.5	4.1	21.0	0.43	2.17	0.09	0.26
68	60	2711	111	1335.5	0.5	24.4	0.07	2.80	0.02	0.27
69	206	1143	109	1304.5	1.9	10.5	0.21	1.14	0.06	0.21
70	425	1052	109	1315.0	3.9	9.7	0.49	1.20	0.08	0.15
71	975	3408	322	2412.0	3.0	10.6	0.28	0.95	0.05	0.11
72	53	1920	278	1677.5	0.2	6.9	0.02	0.98	0.01	0.11
73	2661	3893	393	2135.0	6.8	9.9	1.35	1.97	0.09	0.13
74	359	875	88	443.0	4.1	9.9	0.82	1.99	0.12	0.18
75	1	81	217	1085.0	0.0	0.4	0.00	0.07	0.00	0.02
76	0	328	359	1795.0	0.0	0.9	0.00	0.18	0.00	0.04
77	585	1285	399	1995.0	1.5	3.2	0.29	0.64	0.04	0.07
78	4417	5542	343	1712.0	12.9	16.2	2.90	3.26	0.23	0.25
79	100	972	166	829.0	0.6	5.9	0.12	1.17	0.03	0.15
80	139	1086	182	910.0	0.8	6.0	0.15	1.19	0.04	0.12
81	116	1076	172	861.0	0.7	6.3	0.13	1.25	0.03	0.11
82	921	2166	218	1084.0	4.2	9.9	0.84	1.99	0.09	0.14
83	25	939	219	1093.0	0.1	4.3	0.02	0.86	0.01	0.08
84	521	2501	227	1132.5	2.3	11.0	0.46	2.20	0.08	0.22
85	0	420	144	719.0	0.0	2.9	0.00	0.58	0.00	0.11
86	92	491	183	916.0	0.5	2.7	0.10	0.54	0.03	0.09
87	26	457	170	841.0	0.2	2.7	0.03	0.54	0.01	0.09
88	1	131	170	850.0	0.0	0.8	0.00	0.15	0.00	0.03
89	116	856	170	850.0	0.7	5.0	0.14	1.01	0.03	0.13
90	9	336	164	820.0	0.1	2.0	0.01	0.41	0.00	0.06

Table 6

SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

1

BIOYEAR=54														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
9	0	0	2	3	45.0	0.0	0.0	0.7	0.00	0.00	0.04	0.00	0.00	0.02
10	0	0	1	3	30.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.10
11	0	0	1	3	45.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=55														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	6	8	4	75.0	0.5	1.5	2.0	0.03	0.06	0.10	0.01	0.03	0.04
2	21	8	29	11	82.5	1.9	0.7	2.6	0.25	0.10	0.35	0.09	0.04	0.11
4	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	1	1	11	137.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	2	2	12	180.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=56														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	5	1	6	12	180.0	0.4	0.1	0.5	0.03	0.01	0.03	0.01	0.00	0.01
3	2	0	2	12	180.0	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
4	2	0	2	12	180.0	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	0	11	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	6	3	9	11	154.0	0.5	0.3	0.8	0.04	0.02	0.05	0.01	0.01	0.02
7	0	0	0	11	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	105.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	1	1	11	127.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	1	1	11	127.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=57														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	6	3	9	11	127.5	0.5	0.3	0.8	0.04	0.02	0.05	0.01	0.01	0.02
4	11	0	14	11	127.5	0.9	0.0	1.3	0.07	0.00	0.09	0.03	0.00	0.04
5	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	2	0	2	11	127.5	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
7	38	3	41	11	127.5	3.5	0.3	3.7	0.23	0.02	0.25	0.06	0.01	0.06
8	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	3	3	11	127.5	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
10	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	10	10	11	135.0	0.0	0.9	0.9	0.00	0.06	0.06	0.00	0.02	0.02
12	0	1	1	14	172.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=58														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	6	9	11	135.0	0.3	0.5	0.8	0.02	0.04	0.05	0.01	0.01	0.02
2	32	15	47	11	127.5	2.9	1.4	4.3	0.19	0.09	0.29	0.06	0.03	0.07
3	2	1	3	12	142.5	0.2	0.1	0.2	0.01	0.01	0.02	0.00	0.00	0.01
4	2	1	3	11	127.5	0.2	0.1	0.3	0.02	0.01	0.03	0.01	0.00	0.01
5	1	0	1	11	127.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
6	8	5	13	11	127.5	0.7	0.5	1.2	0.05	0.03	0.08	0.02	0.01	0.03
7	0	0	0	12	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	10	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	5	3	45.0	0.0	0.0	1.7	0.00	0.00	0.11	0.00	0.00	0.04

BIOYEAR=59														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	7	4	9	11	127.5	0.6	0.4	0.8	0.04	0.02	0.06	0.02	0.01	0.02
2	5	0	5	15	187.5	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
3	1	2	3	11	127.5	0.1	0.2	0.3	0.01	0.01	0.02	0.00	0.01	0.01
4	2	0	2	11	127.5	0.2	0.0	0.2	0.01	0.00	0.01	0.01	0.00	0.01
5	0	0	3	11	127.5	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
6	4	0	4	11	127.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
12	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=60														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	10	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0	1	9	112.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
3	0	0	0	8	97.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	6	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	4	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=61														
BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	1	1	6	67.5	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00
2	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	1	0	1	6	67.5	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
7	5	0	5	6	67.5	0.8	0.0	0.8	0.06	0.00	0.06	0.02	0.00	0.02
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	5	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	1	2	6	67.5	0.0	0.2	0.3	0.00	0.01	0.02	0.00	0.00	0.01

SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	1	15	6	67.5	2.3	0.2	2.5	0.16	0.01	0.17	0.06	0.00	0.06
2	5	0	5	6	67.5	0.8	0.0	0.8	0.07	0.00	0.07	0.03	0.00	0.03
3	1	0	1	6	67.5	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
4	2	0	2	3	37.5	0.7	0.0	0.7	0.04	0.00	0.04	0.02	0.00	0.02
5	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	4	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=63

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	3	4	7	82.5	0.1	0.4	0.6	0.01	0.03	0.04	0.00	0.01	0.02
2	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	2	0	2	7	82.5	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
4	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	3	0	3	7	82.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
7	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	18	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	1	1	7	82.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
11	0	1	1	7	82.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=64

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	14	15	15	200.0	0.1	0.9	1.0	0.00	0.06	0.07	0.00	0.02	0.02
2	22	4	26	14	187.5	1.6	0.3	1.9	0.11	0.02	0.12	0.04	0.01	0.05
3	6	0	6	12	157.5	0.5	0.5	0.8	0.04	0.04	0.07	0.02	0.02	0.03
4	15	0	16	12	157.5	1.3	0.0	1.3	0.08	0.00	0.09	0.03	0.00	0.03
5	18	0	18	12	157.5	1.5	0.0	1.5	0.10	0.00	0.10	0.04	0.00	0.04
6	35	0	39	7	82.5	5.0	0.0	5.6	0.33	0.00	0.37	0.10	0.00	0.11
7	29	0	29	11	142.5	2.6	0.0	2.6	0.18	0.00	0.18	0.05	0.00	0.05
8	0	0	0	25	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	8	8	17	217.5	0.0	0.5	0.5	0.00	0.06	0.06	0.00	0.02	0.02
11	0	1	1	14	184.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	9	9	13	172.5	0.0	0.7	0.7	0.00	0.05	0.05	0.00	0.02	0.02

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	7	7	12	157.5	0.0	0.6	0.6	0.00	0.04	0.04	0.00	0.02	0.02
2	1	2	3	13	149.5	0.1	0.2	0.2	0.01	0.01	0.02	0.00	0.00	0.01
3	25	1	26	19	262.5	1.3	0.1	1.4	0.09	0.00	0.09	0.02	0.00	0.03
4	17	0	17	14	210.0	1.2	0.0	1.2	0.08	0.00	0.08	0.03	0.00	0.03
5	4	0	4	15	195.0	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
6	6	0	6	11	157.5	0.5	0.0	0.5	0.04	0.00	0.04	0.01	0.00	0.01
7	9	0	9	21	262.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
8	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	2	2	22	300.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
11	0	2	2	14	180.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	2	2	15	202.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=66

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	2	2	15	210.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
2	0	1	1	14	180.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
3	1	0	1	20	240.0	0.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	11	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	3	0	3	16	210.0	0.2	0.0	0.2	0.01	0.00	0.01	0.01	0.00	0.01
6	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	15	197.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	15	345.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=67

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	19	247.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	24	7	31	19	254.0	1.3	0.4	1.6	0.08	0.02	0.11	0.03	0.01	0.03
3	21	0	21	19	255.0	1.1	0.0	1.1	0.07	0.00	0.07	0.03	0.00	0.03
4	15	0	18	19	255.0	0.8	0.0	0.9	0.05	0.00	0.06	0.02	0.00	0.02
5	9	0	11	19	249.0	0.5	0.0	0.6	0.03	0.00	0.04	0.01	0.00	0.01
6	0	0	0	19	247.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	1	0	1	19	230.0	0.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	12	176.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	13	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	14	169.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	1	1	21	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	1	1	21	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	7	7	21	270.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
2	11	2	13	19	240.0	0.6	0.1	0.7	0.05	0.01	0.06	0.02	0.00	0.02
3	7	2	9	29	294.0	0.2	0.1	0.3	0.02	0.00	0.02	0.01	0.00	0.01
4	6	0	6	21	261.5	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
5	9	0	9	21	270.0	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
6	3	0	3	21	270.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
7	3	0	3	26	285.0	0.1	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
8	0	0	0	21	272.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	21	267.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	282.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	2	2	22	285.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	1	1	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	2	6	22	257.5	0.2	0.1	0.3	0.02	0.01	0.02	0.01	0.00	0.01
2	2	2	4	22	277.5	0.1	0.1	0.1	0.01	0.01	0.01	0.00	0.00	0.00
3	10	2	12	21	250.0	0.5	0.1	0.6	0.04	0.01	0.05	0.01	0.00	0.02
4	0	0	0	22	266.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	3	0	3	22	253.5	0.1	0.0	0.1	0.01	0.00	0.01	0.01	0.00	0.01
6	6	0	6	22	271.0	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
7	27	0	27	22	270.0	1.2	0.0	1.2	0.09	0.00	0.09	0.03	0.00	0.03
8	0	0	0	15	186.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	21	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	1	1	22	262.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	4	4	22	264.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	0	2	22	260.0	0.0	0.3	0.3	0.00	0.04	0.04	0.00	0.01	0.01
2	0	0	0	22	270.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
3	1	2	3	22	270.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
4	0	0	0	22	260.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	21	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	22	259.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	21	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	16	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	44	375.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	4	4	22	270.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	20	20	61	455.0	0.0	0.3	0.3	0.00	0.05	0.05	0.00	0.02	0.02
2	20	6	26	61	562.0	0.2	0.1	0.3	0.04	0.01	0.06	0.02	0.01	0.02
3	17	0	17	60	460.0	0.3	0.0	0.3	0.05	0.00	0.05	0.02	0.00	0.02
4	23	0	23	60	460.0	0.4	0.0	0.4	0.06	0.00	0.06	0.02	0.00	0.02
5	23	0	23	60	475.0	0.4	0.0	0.4	0.07	0.00	0.07	0.02	0.00	0.02
6	10	0	10	60	462.5	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
7	5	0	5	60	452.5	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
8	0	0	0	60	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	60	450.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	4	4	60	442.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.01	0.01
11	0	3	3	35	327.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.01	0.01
12	0	6	6	35	335.0	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	8	4	12	54	477.5	0.1	0.1	0.2	0.02	0.01	0.03	0.01	0.00	0.01
2	1	4	5	54	292.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
3	5	0	5	66	387.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
4	6	0	6	18	90.0	0.3	0.0	0.3	0.07	0.00	0.07	0.03	0.00	0.03
5	14	0	14	36	430.0	0.2	0.0	0.2	0.03	0.00	0.03	0.01	0.00	0.01
6	15	0	15	57	285.0	0.3	0.0	0.3	0.05	0.00	0.05	0.02	0.00	0.02
7	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	3	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	2	220.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	11	55.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	3	3	4	235.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.01	0.01
12	0	2	2	71	355.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	60	37	97	105	695.0	0.6	0.4	0.9	0.07	0.04	0.10	0.02	0.01	0.04
2	29	1	30	65	325.0	0.4	0.0	0.5	0.09	0.00	0.09	0.03	0.00	0.03
3	20	1	21	65	325.0	0.3	0.0	0.3	0.06	0.00	0.06	0.02	0.00	0.02
4	44	0	44	79	395.0	0.6	0.0	0.6	0.11	0.00	0.11	0.04	0.00	0.04
5	92	0	92	79	395.0	1.2	0.0	1.2	0.23	0.00	0.23	0.06	0.00	0.06
6	0	0	0	74	370.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	432	625.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	125	625.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	75	375.0	0.0	0.5	0.5	0.00	0.11	0.11	0.00	0.03	0.03

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	22	11	33	50	253.0	0.4	0.2	0.7	0.09	0.04	0.13	0.03	0.02	0.04
3	4	2	6	25	125.0	0.2	0.1	0.2	0.03	0.02	0.05	0.01	0.01	0.02
4	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	42	136	470.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
9	0	0	0	147	80	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
10	0	3	3	16	80.0	0.0	0.2	0.2	0.00	0.03	0.03	0.00	0.01	0.01

SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	143	102	245	217	1085.0	0.7	0.5	1.1	0.13	0.09	0.23	0.04	0.03	0.06
8	0	0	7	140	700.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
9	0	0	0	77	385.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	1	1	23	115.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=76

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	121	47	168	359	1795.0	0.3	0.1	0.5	0.07	0.03	0.09	0.02	0.01	0.03
10	0	0	3	174	870.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=77

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	229	40	269	354	1770.0	0.6	0.1	0.8	0.13	0.02	0.15	0.04	0.01	0.05
3	2	0	2	45	225.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
8	0	0	0	48	240.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	3	165	825.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=78

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	64	317.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.01	0.00
2	53	21	74	252	1260.0	0.2	0.1	0.3	0.04	0.02	0.06	0.02	0.01	0.02
3	7	18	25	27	135.0	0.3	0.7	0.9	0.05	0.13	0.19	0.01	0.03	0.04
7	20	0	20	87	435.0	0.2	0.0	0.2	0.05	0.00	0.05	0.02	0.00	0.02
8	0	0	140	282	1410.0	0.0	0.0	0.5	0.00	0.00	0.10	0.00	0.00	0.03
9	0	0	14	70	350.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.01
10	0	1	1	76	380.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00
12	0	0	3	26	130.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=79

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	30	7	37	32	160.0	0.9	0.2	1.2	0.19	0.04	0.23	0.06	0.02	0.08
2	64	17	80	39	194.0	1.6	0.4	2.1	0.33	0.09	0.41	0.10	0.03	0.12
3	106	28	134	32	160.0	3.3	0.9	4.2	0.66	0.18	0.84	0.14	0.05	0.16
4	59	0	74	32	160.0	1.8	0.0	2.3	0.37	0.00	0.46	0.11	0.00	0.13
5	18	0	22	31	155.0	0.6	0.0	0.7	0.12	0.00	0.14	0.04	0.00	0.04
6	81	0	82	32	160.0	2.5	0.0	2.6	0.51	0.00	0.51	0.12	0.00	0.12
7	142	0	143	37	184.0	3.8	0.0	3.9	0.77	0.00	0.77	0.15	0.00	0.15
8	0	0	67	28	140.0	0.0	0.0	2.4	0.00	0.00	0.48	0.00	0.00	0.10
9	0	0	29	46	230.0	0.0	0.0	0.6	0.00	0.00	0.13	0.00	0.00	0.04
10	0	7	17	42	210.0	0.0	0.2	0.4	0.00	0.03	0.08	0.00	0.01	0.03
11	0	1	28	15	75.0	0.0	1.0	1.0	0.00	0.13	0.13	0.00	0.06	0.10
12	0	44	51	34	170.0	0.0	1.3	1.5	0.00	0.26	0.30	0.00	0.06	0.07

BIOYEAR=80

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	86	35	121	35	175.0	2.5	1.0	3.5	0.49	0.20	0.69	0.13	0.07	0.17
2	106	14	120	35	175.0	3.0	0.4	3.4	0.61	0.08	0.69	0.12	0.03	0.13
3	138	16	154	34	170.0	4.1	0.5	4.5	0.81	0.09	0.91	0.17	0.03	0.19
4	435	0	435	53	265.0	8.2	0.0	8.7	1.64	0.00	1.75	0.25	0.00	0.25
5	299	0	308	25	125.0	12.0	0.0	12.3	2.39	0.00	2.46	0.38	0.00	0.38
6	885	0	899	36	180.0	24.6	0.0	25.0	4.82	0.00	4.89	0.56	0.00	0.56
7	665	0	665	49	245.0	13.6	0.0	13.6	2.71	0.00	2.71	0.34	0.00	0.34
8	0	0	260	43	215.0	0.0	0.0	6.0	0.00	0.00	1.21	0.00	0.00	0.24
9	0	0	18	31	152.0	0.0	0.0	0.6	0.00	0.00	0.12	0.00	0.00	0.04
10	0	22	29	35	175.0	0.0	0.6	0.8	0.00	0.13	0.17	0.00	0.04	0.05
11	0	6	14	17	85.0	0.0	0.6	0.8	0.00	0.07	0.16	0.00	0.03	0.05
12	0	9	15	36	178.0	0.0	0.2	0.4	0.00	0.05	0.08	0.00	0.02	0.03

BIOYEAR=81

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	27	15	42	35	175.0	0.8	0.4	1.2	0.15	0.09	0.24	0.05	0.03	0.08
2	319	24	343	38	191.0	8.4	0.6	9.0	1.68	0.13	1.81	0.26	0.04	0.27
3	164	14	158	26	120.0	6.0	0.6	6.6	1.20	0.12	1.32	0.24	0.04	0.25
4	112	0	112	37	185.0	3.0	0.0	3.0	0.61	0.00	0.61	0.16	0.00	0.16
5	246	0	261	38	190.0	6.5	0.0	6.9	1.29	0.00	1.37	0.26	0.00	0.27
6	739	0	743	37	182.5	20.0	0.0	20.1	4.11	0.00	4.14	0.51	0.00	0.51
7	104	0	104	47	235.0	2.2	0.0	2.2	0.44	0.00	0.44	0.12	0.00	0.12
8	0	0	11	11	55.0	0.0	0.0	1.0	0.00	0.00	0.20	0.00	0.00	0.06
9	0	0	8	48	240.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
10	0	28	44	46	230.0	0.0	0.6	1.0	0.00	0.12	0.19	0.00	0.04	0.06
11	0	23	37	52	260.0	0.0	0.4	0.7	0.00	0.09	0.14	0.00	0.03	0.05
12	0	21	31	37	185.0	0.0	0.6	0.8	0.00	0.11	0.17	0.00	0.04	0.05

BIOYEAR=82

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	66	33	99	38	190.0	1.7	0.9	2.6	0.35	0.17	0.52	0.09	0.06	0.12
2	262	41	303	38	190.0	6.9	1.1	8.0	1.38	0.22	1.59	0.18	0.05	0.20
3	166	10	176	46	230.0	3.6	0.2	3.8	0.72	0.04	0.77	0.16	0.02	0.17
4	274	0	274	48	238.0	5.2	0.0	5.7	1.03	0.00	1.14	0.13	0.00	0.14
5	246	0	352	48	236.0	7.0	0.0	7.3	1.45	0.00	1.53	0.24	0.00	0.24
6	207	0	208	47	235.0	4.4	0.0	4.4	0.88	0.00	0.89	0.20	0.00	0.20
7	232	0	232	48	240.0	4.8	0.0	4.8	0.97	0.00	0.97	0.22	0.00	0.22
8	69	0	69	32	160.0	0.0	0.0	2.2	0.00	0.00	0.43	0.00	0.00	0.11
9	0	0	178	54	270.0	0.0	0.0	3.3	0.00	0.00	0.65	0.00	0.00	0.12
10	0	229	230	14	70.0	0.0	16.4	16.4	0.00	3.27	3.29	0.00	0.40	0.40
11	0	37	39	15	75.0	0.0	2.5	2.6	0.00	0.49	0.52	0.00	0.12	0.12
12	0	66	100	40	200.0	0.0	1.6	2.5	0.00	0.33	0.37	0.00	0.08	0.11



SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	233	35	268	39	195.0	6.0	0.9	6.9	1.19	0.18	1.37	0.17	0.05	0.19
2	66	12	78	39	195.0	1.7	0.3	2.0	0.34	0.06	0.40	0.09	0.02	0.10
3	83	28	111	38	186.0	2.2	0.7	2.9	0.44	0.13	0.59	0.12	0.05	0.14
4	194	0	240	38	192.0	5.1	0.0	6.3	1.02	0.00	1.26	0.23	0.00	0.28
5	145	0	185	45	325.0	2.2	0.0	2.8	0.45	0.00	0.57	0.12	0.00	0.14
6	512	0	538	50	250.0	10.2	0.0	10.8	2.05	0.00	2.15	0.37	0.00	0.38
7	215	0	215	39	194.0	5.5	0.0	5.5	1.10	0.00	1.10	0.21	0.00	0.21
8	0	0	4	19	95.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.02
9	0	0	4	13	65.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
10	0	7	7	38	190.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01
11	0	37	38	45	222.5	0.0	0.8	0.8	0.00	0.17	0.17	0.00	0.05	0.05
12	0	9	9	50	250.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	20	20	34	48	237.5	0.4	0.4	0.7	0.08	0.08	0.14	0.03	0.03	0.04
2	8	17	25	47	235.0	0.2	0.4	0.5	0.03	0.07	0.11	0.01	0.02	0.03
3	64	36	100	46	230.0	1.4	0.8	2.2	0.28	0.16	0.43	0.07	0.04	0.08
4	27	0	32	37	185.0	0.7	0.0	0.9	0.15	0.00	0.17	0.05	0.00	0.05
5	55	0	68	49	245.0	1.1	0.0	1.4	0.22	0.00	0.28	0.07	0.00	0.08
6	104	0	112	49	245.0	2.1	0.0	2.3	0.42	0.00	0.46	0.12	0.00	0.13
7	10	0	10	12	60.0	0.8	0.0	0.8	0.17	0.00	0.17	0.05	0.00	0.05
8	0	0	4	19	95.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.02
9	0	0	4	13	65.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
10	0	7	7	38	190.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01
11	0	37	38	45	222.5	0.0	0.8	0.8	0.00	0.17	0.17	0.00	0.05	0.05
12	0	9	9	50	250.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	20	20	34	48	237.5	0.4	0.4	0.7	0.08	0.08	0.14	0.03	0.03	0.04
2	8	17	25	47	235.0	0.2	0.4	0.5	0.03	0.07	0.11	0.01	0.02	0.03
3	64	36	100	46	230.0	1.4	0.8	2.2	0.28	0.16	0.43	0.07	0.04	0.08
4	27	0	32	37	185.0	0.7	0.0	0.9	0.15	0.00	0.17	0.05	0.00	0.05
5	55	0	68	49	245.0	1.1	0.0	1.4	0.22	0.00	0.28	0.07	0.00	0.08
6	104	0	112	49	245.0	2.1	0.0	2.3	0.42	0.00	0.46	0.12	0.00	0.13
7	10	0	10	12	60.0	0.8	0.0	0.8	0.17	0.00	0.17	0.05	0.00	0.05
8	0	0	4	19	95.0	0.0	0.0	0.2	0.00	0.00	0.04	0.00	0.00	0.02
9	0	0	4	13	65.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
10	0	7	7	38	190.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01
11	0	37	38	45	222.5	0.0	0.8	0.8	0.00	0.17	0.17	0.00	0.05	0.05
12	0	9	9	50	250.0	0.0	0.2	0.2	0.00	0.04	0.04	0.00	0.01	0.01

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	39	8	47	12	60.0	3.2	0.7	3.9	0.65	0.13	0.78	0.17	0.05	0.19
2	45	9	54	38	189.0	1.2	0.2	1.4	0.24	0.05	0.28	0.07	0.02	0.08
3	50	7	57	22	110.0	2.3	0.3	2.6	0.45	0.06	0.52	0.13	0.02	0.14
4	25	0	27	27	135.0	0.9	0.0	0.9	0.19	0.00	0.19	0.06	0.00	0.06
5	40	0	51	45	225.0	0.9	0.0	0.9	0.18	0.00	0.23	0.06	0.00	0.07
6	0	0	1	22	110.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
7	0	0	1	24	120.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
8	0	6	7	25	125.0	0.0	0.2	0.3	0.00	0.05	0.06	0.00	0.02	0.02
9	0	6	7	24	120.0	0.0	0.2	0.3	0.00	0.05	0.06	0.00	0.02	0.02
10	0	6	7	24	120.0	0.0	0.2	0.3	0.00	0.05	0.06	0.00	0.02	0.02
11	0	4	4	37	185.0	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01
12	0	4	4	37	185.0	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01

BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	83	5	88	35	175.0	2.4	0.1	2.5	0.47	0.03	0.50	0.11	0.01	0.11
2	61	4	67	37	185.0	1.6	0.2	1.8	0.33	0.03	0.36	0.09	0.01	0.09
3	82	4	86	39	194.0	2.1	0.1	2.2	0.42	0.02	0.44	0.09	0.01	0.10
4	63	0	46	35	175.0	1.2	0.0	1.3	0.25	0.00	0.26	0.08	0.00	0.08
5	67	0	73	37	185.0	1.8	0.0	2.0	0.36	0.00	0.39	0.12	0.00	0.12
6	84	0	85	36	180.0	2.3	0.0	2.4	0.47	0.00	0.47	0.13	0.00	0.13
7	13	0	14	23	115.0	0.6	0.0	0.6	0.11	0.00	0.12	0.04	0.00	0.04
8	0	0	7	23	115.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
9	0	0	2	24	120.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
10	0	12	13	23	115.0	0.0	0.5	0.6	0.00	0.10	0.11	0.00	0.03	0.04
11	0	14	14	24	120.0	0.0	0.6	0.6	0.00	0.12	0.12	0.00	0.04	0.04
12	0	1	5	36	180.0	0.0	0.0	0.1	0.00	0.01	0.03	0.00	0.00	0.01

BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	18	1	19	37	185.0	0.5	0.0	0.5	0.10	0.01	0.10	0.03	0.00	0.03
2	21	5	26	33	165.0	0.6	0.2	0.8	0.13	0.03	0.16	0.03	0.01	0.04
3	26	5	31	34	161.0	0.8	0.1	0.9	0.21	0.03	0.24	0.07	0.01	0.07
4	3	0	12	32	160.0	0.1	0.0	0.4	0.02	0.00	0.08	0.01	0.00	0.03
5	35	0	37	34	170.0	1.0	0.0	1.1	0.21	0.00	0.22	0.07	0.00	0.07
6	17	0	17	34	170.0	0.5	0.0	0.5	0.10	0.00	0.10	0.04	0.00	0.04
12	0	1	1	34	170.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00

SUMMER FLOUNDER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=88

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	10	11	34	170.0	0.0	0.3	0.3	0.01	0.06	0.06	0.00	0.02	0.02
2	14	10	24	34	170.0	0.4	0.3	0.7	0.08	0.14	0.14	0.02	0.02	0.04
3	6	12	18	34	170.0	0.2	0.4	0.5	0.04	0.07	0.11	0.01	0.02	0.03
4	7	0	13	34	170.0	0.2	0.0	0.4	0.04	0.00	0.08	0.01	0.00	0.02
5	24	0	40	34	170.0	0.7	0.0	1.2	0.14	0.00	0.24	0.04	0.00	0.06
6	12	0	16	32	160.0	0.4	0.0	0.5	0.08	0.00	0.10	0.03	0.00	0.03
7	1	0	1	21	105.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
8	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	2	3	25	125.0	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01
12	0	3	3	34	170.0	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	6	9	34	170.0	0.1	0.2	0.3	0.02	0.04	0.05	0.01	0.01	0.02
2	4	8	12	34	170.0	0.1	0.2	0.4	0.02	0.05	0.07	0.01	0.02	0.02
3	16	1	17	34	170.0	0.5	0.0	0.5	0.09	0.01	0.10	0.03	0.00	0.03
4	19	0	21	34	170.0	0.6	0.0	0.6	0.11	0.00	0.12	0.04	0.00	0.04
5	12	0	16	34	170.0	0.4	0.0	0.5	0.07	0.00	0.09	0.03	0.00	0.03
6	15	0	20	34	170.0	0.4	0.0	0.6	0.09	0.00	0.12	0.03	0.00	0.04
7	5	0	7	23	115.0	0.2	0.0	0.3	0.04	0.00	0.06	0.02	0.00	0.02
8	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	3	25	125.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
10	0	7	7	25	125.0	0.0	0.3	0.3	0.00	0.06	0.06	0.00	0.02	0.02
11	0	9	9	25	125.0	0.0	0.4	0.4	0.00	0.07	0.07	0.00	0.03	0.03
12	0	1	10	34	170.0	0.0	0.0	0.3	0.00	0.01	0.06	0.00	0.00	0.02

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	62	2	64	34	170.0	1.8	0.1	1.9	0.36	0.01	0.38	0.09	0.00	0.09
2	28	1	29	35	175.0	0.8	0.0	0.8	0.16	0.01	0.17	0.05	0.00	0.05
3	19	1	20	34	170.0	0.6	0.0	0.6	0.11	0.01	0.12	0.03	0.00	0.03
4	25	0	32	34	170.0	0.7	0.0	0.9	0.15	0.00	0.19	0.05	0.00	0.06
5	60	0	74	27	135.0	2.2	0.0	2.7	0.44	0.00	0.55	0.12	0.00	0.14
6	117	0	125	34	170.0	3.4	0.0	3.7	0.69	0.00	0.74	0.14	0.00	0.15
7	84	0	84	22	110.0	3.8	0.0	3.8	0.76	0.00	0.76	0.15	0.00	0.15

YOY SUMMER FLOUNDER INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	23	37	18	202.5	1.3	2.1	0.16	0.24	0.05	0.08
56	15	19	49	1001.5	0.2	0.3	0.01	0.02	0.01	0.01
57	57	66	55	437.5	1.0	1.2	0.07	0.08	0.02	0.03
58	48	76	79	930.0	0.6	1.0	0.04	0.07	0.01	0.02
59	19	26	70	825.0	0.3	0.4	0.02	0.03	0.01	0.01
60	1	1	27	345.0	0.0	0.0	0.00	0.00	0.00	0.00
61	6	7	42	472.5	0.1	0.2	0.01	0.01	0.00	0.00
62	22	23	34	405.0	0.6	0.7	0.05	0.05	0.02	0.02
63	6	9	48	540.0	0.1	0.2	0.01	0.01	0.00	0.01
64	126	153	83	1085.0	1.5	1.8	0.10	0.12	0.03	0.04
65	62	72	105	1394.5	0.6	0.7	0.04	0.05	0.01	0.02
66	4	7	105	1335.0	0.0	0.1	0.00	0.00	0.00	0.00
67	70	83	133	1738.0	0.5	0.6	0.04	0.04	0.01	0.01
68	39	76	156	1890.5	0.2	0.5	0.02	0.04	0.01	0.01
69	52	59	153	1845.5	0.3	0.4	0.03	0.03	0.01	0.01
70	3	30	152	1829.0	0.0	0.2	0.00	0.02	0.00	0.01
71	98	137	442	3327.0	0.2	0.3	0.04	0.05	0.01	0.02
72	49	58	380	2187.5	0.1	0.2	0.02	0.03	0.01	0.01
73	245	285	393	2135.0	0.6	0.7	0.11	0.12	0.04	0.04
74	26	39	88	443.0	0.3	0.4	0.06	0.09	0.02	0.03
75	143	245	217	1085.0	0.7	1.1	0.13	0.23	0.06	0.06
76	121	168	359	1795.0	0.3	0.5	0.07	0.09	0.02	0.03
77	231	271	399	1995.0	0.6	0.7	0.12	0.14	0.04	0.04
78	80	119	430	2147.0	0.2	0.3	0.04	0.06	0.01	0.02
79	500	572	235	1173.0	2.1	2.4	0.43	0.49	0.11	0.12
80	2614	2730	267	1335.0	9.8	10.2	1.94	2.03	0.28	0.29
81	1691	1763	256	1278.5	6.6	6.9	1.34	1.39	0.23	0.23
82	1515	1644	313	1559.0	4.8	5.3	0.98	1.06	0.18	0.19
83	1444	1435	308	1537.0	4.7	5.3	0.94	1.06	0.19	0.20
84	288	381	288	1437.5	1.0	1.3	0.20	0.26	0.06	0.07
85	199	234	144	719.0	1.4	1.6	0.28	0.33	0.08	0.09
86	433	459	242	1211.0	1.8	1.9	0.36	0.38	0.10	0.10
87	120	142	204	1011.0	0.6	0.7	0.13	0.15	0.04	0.05
88	65	123	223	1115.0	0.3	0.6	0.06	0.11	0.02	0.03
89	74	102	227	1135.0	0.3	0.4	0.07	0.09	0.02	0.03
90	395	428	220	1100.0	1.8	1.9	0.36	0.39	0.08	0.09

AGE 1+ SUMMER FLOUNDER INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 1	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 1 / HAUL	TOT NUM / HAUL	NUM AGE 1 / MINUTE	TOT NUM / MINUTE	NUM AGE 1 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	9	4	75.0	0.0	2.2	0.00	0.09	0.00	0.03
55	17	40	38	475.0	0.4	1.1	0.04	0.12	0.02	0.04
56	3	10	46	615.0	0.1	0.2	0.00	0.02	0.00	0.01
57	14	20	47	562.5	0.3	0.4	0.02	0.03	0.01	0.01
58	22	64	47	570.0	0.5	1.4	0.03	0.09	0.01	0.03
59	6	17	48	577.5	0.1	0.4	0.01	0.02	0.00	0.01
60	0	1	37	472.5	0.0	0.0	0.00	0.00	0.00	0.00
61	2	3	35	390.0	0.1	0.1	0.00	0.01	0.00	0.00
62	1	21	38	435.0	0.0	0.6	0.00	0.04	0.00	0.01
63	5	8	42	495.0	0.1	0.2	0.01	0.01	0.00	0.01
64	42	69	85	1119.5	0.5	0.8	0.04	0.06	0.01	0.02
65	16	42	95	1252.0	0.2	0.4	0.01	0.03	0.00	0.01
66	3	4	104	1365.0	0.0	0.0	0.00	0.00	0.00	0.00
67	9	54	113	1468.5	0.1	0.5	0.01	0.03	0.00	0.01
68	14	31	135	1641.0	0.1	0.2	0.01	0.02	0.00	0.01
69	11	25	130	1549.0	0.1	0.2	0.01	0.02	0.00	0.01
70	13	16	154	1715.0	0.1	0.1	0.01	0.01	0.00	0.00
71	39	76	332	2581.5	0.1	0.2	0.02	0.04	0.01	0.01
72	13	27	303	1802.5	0.0	0.1	0.01	0.01	0.00	0.00
73	79	188	310	1720.0	0.3	0.6	0.04	0.09	0.01	0.03
74	16	42	91	458.0	0.2	0.5	0.03	0.09	0.01	0.03
75	103	246	240	1200.0	0.4	1.0	0.09	0.21	0.02	0.05
76	47	171	533	2665.0	0.1	0.3	0.02	0.06	0.01	0.02
77	40	271	446	2230.0	0.1	0.6	0.02	0.12	0.01	0.04
78	40	104	445	2222.0	0.1	0.2	0.02	0.05	0.01	0.01
79	118	347	194	969.0	0.6	1.8	0.12	0.36	0.04	0.09
80	102	453	192	958.0	0.5	2.4	0.11	0.47	0.04	0.11
81	125	655	232	1161.0	0.5	2.8	0.11	0.56	0.04	0.11
82	416	947	191	955.0	2.2	5.0	0.44	0.99	0.08	0.17
83	128	511	249	1238.5	0.5	2.1	0.10	0.41	0.03	0.08
84	86	172	228	1137.5	0.4	0.8	0.08	0.15	0.02	0.04
85	40	176	158	789.0	0.3	1.1	0.05	0.22	0.02	0.06
86	42	273	194	971.0	0.2	1.4	0.04	0.28	0.02	0.07
87	12	77	138	661.0	0.1	0.6	0.02	0.12	0.01	0.04
88	37	59	184	930.0	0.2	0.3	0.04	0.06	0.01	0.02
89	32	64	186	930.0	0.2	0.3	0.03	0.07	0.01	0.02
90	4	113	103	515.0	0.0	1.1	0.01	0.22	0.00	0.06

Table 7

## ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
6	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	3	1	30.0	0.0	0.0	3.0	0.00	0.00	0.10	0.00	0.00	0.04
8	0	0	3	3	45.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
10	0	0	172	4	75.0	0.0	0.0	43.0	0.00	0.00	2.87	0.00	0.00	0.38
11	0	0	124	11	82.5	0.0	0.0	11.3	0.00	0.00	1.50	0.00	0.00	0.31
BIOYEAR=55														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	6	8	3	45.0	0.7	2.0	2.7	0.05	0.13	0.18	0.02	0.05	0.07
8	1	1	2	11	137.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
9	159	150	309	12	180.0	13.3	12.5	25.8	0.88	0.83	1.72	0.21	0.20	0.31
11	0	33	33	12	180.0	0.0	2.7	2.7	0.00	0.18	0.18	0.00	0.06	0.06
12	0	25	25	12	180.0	0.0	2.1	2.1	0.00	0.14	0.14	0.00	0.05	0.05
BIOYEAR=56														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	15	19	12	180.0	0.3	1.3	1.6	0.02	0.09	0.11	0.01	0.03	0.04
2	43	20	63	11	165.0	3.9	1.8	5.7	0.26	0.12	0.38	0.08	0.04	0.11
3	111	14	125	11	154.0	10.1	1.3	11.4	0.67	0.09	0.76	0.17	0.03	0.19
4	364	9	373	11	162.5	33.1	0.8	33.9	2.30	0.05	2.36	0.37	0.02	0.37
5	165	0	165	7	105.0	23.6	0.0	23.6	1.57	0.00	1.57	0.35	0.00	0.35
6	52	0	52	11	135.0	4.7	0.0	4.7	0.33	0.00	0.33	0.10	0.00	0.10
7	162	0	162	11	127.5	14.7	0.0	14.7	0.98	0.00	0.98	0.17	0.00	0.17
9	1218	0	1374	11	127.5	110.7	0.0	126.9	12.24	0.00	13.81	0.75	0.00	0.79
12	0	425	640	11	127.5	0.0	38.6	60.0	0.00	3.59	5.57	0.00	0.60	0.75
BIOYEAR=57														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	200	423	624	11	127.5	18.2	38.5	56.7	1.74	3.49	5.44	0.40	0.61	0.73
2	136	0	171	11	127.5	12.4	0.0	15.5	1.21	0.00	1.53	0.21	0.00	0.23
3	161	0	191	11	127.5	14.6	0.0	17.4	1.78	0.00	2.11	0.28	0.00	0.30
4	319	8	327	11	127.5	29.0	0.7	29.7	1.93	0.05	1.98	0.26	0.02	0.27
5	25	0	25	11	127.5	2.3	0.0	2.3	0.15	0.00	0.15	0.05	0.00	0.05
6	6	0	6	11	127.5	0.5	0.0	0.5	0.04	0.00	0.04	0.01	0.00	0.01
7	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	9	6	15	11	135.0	0.8	0.5	1.4	0.05	0.04	0.09	0.02	0.01	0.03
9	5	2	7	14	172.5	0.4	0.1	0.5	0.03	0.01	0.03	0.01	0.00	0.01
10	0	64	64	11	135.0	0.0	5.8	5.8	0.00	0.39	0.39	0.00	0.12	0.12
11	0	69	69	11	127.5	0.0	6.3	6.3	0.00	0.62	0.62	0.00	0.11	0.11
12	0	2	2	12	142.5	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.00
BIOYEAR=58														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	11	33	44	11	127.5	1.0	3.0	4.0	0.13	0.39	0.53	0.04	0.08	0.09
2	93	43	136	11	127.5	8.5	3.9	12.4	1.13	0.52	1.65	0.13	0.09	0.16
3	115	15	130	11	127.5	10.5	1.4	11.8	0.93	0.12	1.05	0.22	0.05	0.24
4	47	0	47	12	142.5	3.9	0.0	3.9	0.35	0.00	0.35	0.09	0.00	0.09
8	0	0	0	10	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	7	0	34	3	45.0	2.3	0.0	11.3	0.16	0.00	0.76	0.00	0.00	0.22
10	0	1	29	11	127.5	0.0	0.1	2.6	0.00	0.01	0.19	0.00	0.00	0.07
11	0	25	72	15	187.5	0.0	1.7	4.8	0.00	0.11	0.33	0.00	0.04	0.10
12	0	2	6	11	127.5	0.0	0.2	0.5	0.00	0.01	0.04	0.00	0.00	0.02
BIOYEAR=59														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	11	127.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
2	227	0	227	11	127.5	20.6	0.0	20.6	2.68	0.00	2.68	0.36	0.00	0.36
3	20	0	20	11	127.5	1.8	0.0	1.8	0.13	0.00	0.13	0.05	0.00	0.05
9	93	88	181	11	135.0	8.5	8.0	16.5	1.08	1.02	2.10	0.12	0.12	0.17
10	0	5	5	10	135.0	0.0	0.5	0.5	0.00	0.06	0.06	0.00	0.02	0.02
11	0	231	231	9	112.5	0.0	25.7	25.7	0.00	1.73	1.73	0.00	0.31	0.31
12	0	37	37	8	97.5	0.0	4.6	4.6	0.00	0.31	0.31	0.00	0.09	0.09
BIOYEAR=60														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
5	131	0	131	6	75.0	21.8	0.0	21.8	1.46	0.00	1.46	0.18	0.00	0.18
8	0	0	0	4	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	1	0	1	6	67.5	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
10	0	1	1	6	67.5	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
11	0	0	3	6	67.5	0.0	0.0	0.5	0.00	0.00	0.03	0.00	0.00	0.01
12	0	20	26	6	67.5	0.0	3.3	4.3	0.00	0.22	0.29	0.00	0.07	0.09
BIOYEAR=61														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	2	2	6	67.5	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
2	0	11	11	6	67.5	0.0	0.0	1.8	0.00	0.00	0.13	0.00	0.00	0.05
3	2	0	2	6	67.5	0.3	0.0	0.3	0.05	0.00	0.05	0.02	0.00	0.02
4	24	0	26	6	67.5	4.0	0.0	4.3	0.34	0.00	0.38	0.11	0.00	0.12
5	9	0	9	6	67.5	1.5	0.0	1.5	0.10	0.00	0.10	0.04	0.00	0.04
6	6	0	6	6	67.5	1.0	0.0	1.0	0.08	0.00	0.08	0.03	0.00	0.03
7	1	0	1	6	67.5	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
8	0	0	0	5	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	55	0	60	6	67.5	9.2	0.0	10.0	1.14	0.00	1.24	0.17	0.00	0.18
10	0	73	98	6	67.5	0.0	12.2	16.3	0.00	1.01	1.35	0.00	0.23	0.28
11	0	258	268	6	67.5	0.0	43.0	44.7	0.00	3.11	3.23	0.00	0.42	0.42
12	0	83	83	6	67.5	0.0	13.8	13.8	0.00	0.92	0.92	0.00	0.19	0.19

ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	34	40	3	37.5	0.3	11.3	13.3	0.02	0.78	0.91	0.01	0.23	0.26
2	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	20	0	21	5	60.0	4.0	0.0	4.2	0.27	0.00	0.28	0.08	0.00	0.08
4	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	1	0	1	4	52.5	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
6	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	3	3	7	82.5	0.0	0.4	0.4	0.00	0.03	0.03	0.00	0.01	0.01
12	0	1	1	7	82.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=63

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	1	7	82.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
2	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	35	5	40	7	82.5	5.0	0.7	5.7	0.53	0.08	0.61	0.15	0.03	0.16
4	35	1	36	6	45.0	5.8	0.2	6.0	0.78	0.02	0.80	0.14	0.01	0.15
5	11	0	11	18	230.0	0.6	0.0	0.6	0.04	0.00	0.04	0.02	0.00	0.02
6	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	175	205	15	200.0	0.0	11.7	13.7	0.00	0.78	0.91	0.00	0.18	0.19
11	0	30	70	14	187.5	0.0	2.1	5.0	0.00	0.16	0.33	0.00	0.04	0.08
12	0	0	13	12	157.5	0.0	0.0	1.1	0.00	0.00	0.12	0.00	0.00	0.04

BIOYEAR=64

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	43	43	12	157.5	0.0	3.6	3.6	0.00	0.36	0.36	0.00	0.09	0.09
2	6	0	6	12	157.5	0.5	0.0	4.1	0.04	0.00	0.30	0.02	0.00	0.08
3	114	0	129	7	82.5	16.3	0.0	18.4	1.75	0.00	1.98	0.38	0.00	0.41
4	296	0	296	11	142.5	26.9	0.0	26.9	2.17	0.00	2.17	0.30	0.00	0.30
5	295	0	295	20	277.5	14.8	0.0	14.8	1.12	0.00	1.12	0.18	0.00	0.18
6	35	0	35	13	165.0	2.7	0.0	2.7	0.19	0.00	0.19	0.07	0.00	0.07
7	75	0	75	17	217.5	4.4	0.0	4.4	0.52	0.00	0.52	0.11	0.00	0.11
8	41	0	41	14	184.5	2.9	0.0	2.9	0.20	0.00	0.20	0.06	0.00	0.06
9	343	0	472	13	172.5	26.4	0.0	36.3	2.79	0.00	3.63	0.27	0.00	0.32
10	0	341	450	12	157.5	0.0	28.4	37.5	0.00	1.99	2.63	0.00	0.35	0.40
11	0	161	273	13	149.5	0.0	12.4	21.0	0.00	1.70	2.87	0.00	0.25	0.32
12	0	62	129	19	262.5	0.0	3.3	6.8	0.00	0.22	0.45	0.00	0.07	0.11

BIOYEAR=65

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	10	14	210.0	0.1	0.0	0.7	0.01	0.00	0.05	0.00	0.00	0.02
2	69	0	69	15	195.0	4.6	0.0	4.6	0.54	0.00	0.54	0.12	0.00	0.12
3	391	0	395	11	157.5	35.5	0.0	35.9	3.56	0.00	3.59	0.39	0.00	0.39
4	439	0	450	21	262.5	20.9	0.0	21.4	1.43	0.00	1.47	0.25	0.00	0.26
5	97	0	97	14	180.0	6.9	0.0	6.9	0.55	0.00	0.55	0.14	0.00	0.14
6	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	22	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	17	15	202.5	0.0	0.0	1.1	0.00	0.00	0.08	0.00	0.00	0.03
10	0	0	4	15	210.0	0.0	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
11	0	0	2	14	180.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
12	0	1	15	20	240.0	0.0	0.1	0.8	0.00	0.00	0.05	0.00	0.00	0.02

BIOYEAR=66

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	3	4	11	120.0	0.1	0.3	0.4	0.01	0.04	0.05	0.00	0.01	0.02
2	81	0	81	16	210.0	5.1	0.0	5.1	0.48	0.00	0.48	0.13	0.00	0.13
3	142	0	149	14	180.0	10.1	0.0	10.6	1.02	0.00	1.07	0.19	0.00	0.19
4	205	0	209	15	195.0	13.7	0.0	13.9	1.06	0.00	1.08	0.21	0.00	0.21
5	50	0	50	13	165.0	3.8	0.0	3.8	0.26	0.00	0.26	0.06	0.00	0.06
6	11	0	13	15	197.5	0.7	0.0	0.9	0.05	0.00	0.06	0.02	0.00	0.02
7	2	0	3	25	345.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
8	1	0	4	15	195.0	0.1	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
9	13	0	33	15	195.0	0.9	0.0	2.2	0.08	0.00	0.20	0.03	0.00	0.06
10	0	69	129	19	247.5	0.0	3.6	6.8	0.00	0.40	0.76	0.00	0.10	0.15
11	0	87	103	19	254.0	0.0	4.6	5.4	0.00	0.33	0.39	0.00	0.10	0.11
12	0	68	98	19	255.0	0.0	3.6	5.2	0.00	0.24	0.34	0.00	0.07	0.10

BIOYEAR=67

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	3	4	19	255.0	0.0	0.2	0.2	0.00	0.01	0.01	0.00	0.00	0.01
2	0	0	0	19	249.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	19	247.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	2	0	2	19	230.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	2	0	2	19	175.0	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
6	0	0	0	13	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	14	169.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	21	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	21	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	51	21	270.0	0.0	0.0	2.4	0.00	0.00	0.16	0.00	0.00	0.03
11	0	5	6	19	240.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
12	0	13	18	29	294.0	0.0	0.4	0.6	0.00	0.04	0.05	0.00	0.01	0.02

ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR-68

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	8	8	21	261.5	0.0	0.4	0.4	0.00	0.03	0.03	0.00	0.01	0.01
2	1	0	5	21	270.0	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
3	510	0	521	21	270.0	24.3	0.0	24.6	1.98	0.00	2.02	0.22	0.00	0.22
4	618	0	618	24	285.0	25.8	0.0	25.8	1.81	0.00	1.81	0.22	0.00	0.22
5	9	0	9	21	272.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
6	0	0	0	21	267.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	22	282.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	22	285.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	270.0	0.0	0.0	0.4	0.00	0.00	0.02	0.00	0.00	0.01
10	0	10	10	22	257.5	0.0	0.5	0.5	0.00	0.05	0.05	0.00	0.02	0.02
11	0	38	38	22	277.5	0.0	1.7	1.7	0.00	0.17	0.17	0.00	0.05	0.06
12	0	99	99	21	250.0	0.0	4.7	4.7	0.00	0.41	0.41	0.00	0.11	0.11

BIOYEAR-69

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	25	29	55	22	266.0	1.1	1.3	2.5	0.10	0.12	0.22	0.03	0.04	0.05
2	1032	0	1060	22	253.5	46.9	0.0	48.2	5.09	0.00	5.23	0.51	0.00	0.52
3	1271	0	1346	22	271.0	57.8	0.0	61.2	5.03	0.00	5.33	0.48	0.00	0.49
4	789	0	828	22	270.0	35.9	0.0	37.6	3.44	0.00	3.61	0.37	0.00	0.38
5	16	0	16	15	186.0	1.1	0.0	1.1	0.07	0.00	0.07	0.02	0.00	0.02
6	0	0	0	22	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	21	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	2	0	2	22	262.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
9	0	0	0	22	264.0	0.0	0.0	0.3	0.00	0.00	0.03	0.00	0.00	0.01
10	0	4	5	22	260.0	0.0	0.2	0.2	0.00	0.01	0.02	0.00	0.01	0.01
11	0	69	61	22	270.0	0.0	2.2	2.8	0.00	0.15	0.19	0.00	0.04	0.04
12	0	0	1	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR-70

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	34	318	350	22	260.0	1.5	14.5	15.9	0.12	1.18	1.30	0.05	0.29	0.30
2	178	0	556	21	255.0	8.5	0.0	26.5	0.70	0.00	2.17	0.20	0.00	0.41
3	154	0	543	22	259.0	7.0	0.0	24.7	0.58	0.00	2.05	0.17	0.00	0.37
4	1402	0	1402	21	255.0	66.8	0.0	66.8	6.39	0.00	6.39	0.43	0.00	0.43
5	82	0	82	22	270.0	3.7	0.0	3.7	0.29	0.00	0.29	0.09	0.00	0.09
6	6	0	6	16	210.0	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
7	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	12	0	20	44	375.0	0.3	0.0	0.5	0.03	0.00	0.05	0.01	0.00	0.02
9	3	0	19	22	270.0	0.1	0.0	0.9	0.01	0.00	0.07	0.01	0.00	0.03
10	0	16	16	61	455.0	0.0	0.3	0.3	0.00	0.03	0.03	0.00	0.01	0.01
11	0	48	106	81	562.0	0.0	0.6	1.3	0.00	0.07	0.15	0.00	0.02	0.03
12	0	40	100	60	460.0	0.0	0.7	1.7	0.00	0.09	0.23	0.00	0.03	0.05

BIOYEAR-71

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	5	3	33	60	440.0	0.1	0.1	0.6	0.01	0.01	0.06	0.00	0.00	0.02
2	87	0	87	60	475.0	1.5	0.0	1.5	0.25	0.00	0.25	0.07	0.00	0.07
3	819	0	865	60	462.5	13.7	0.0	14.4	1.93	0.00	2.04	0.29	0.00	0.29
4	2163	0	2322	60	452.5	36.0	0.0	38.7	5.47	0.00	5.87	0.37	0.00	0.38
5	2144	0	2224	60	400.0	35.7	0.0	37.1	6.34	0.00	6.58	0.38	0.00	0.38
6	3279	0	3368	60	450.0	54.6	0.0	56.1	9.62	0.00	9.69	0.43	0.00	0.43
7	762	0	768	60	442.0	12.7	0.0	12.8	1.68	0.00	1.69	0.23	0.00	0.23
8	492	0	596	35	327.5	14.1	0.0	15.9	2.01	0.00	2.27	0.28	0.00	0.30
9	285	0	312	35	335.0	8.1	0.0	8.9	1.13	0.00	1.23	0.18	0.00	0.19
10	0	2246	2521	54	477.5	0.0	41.6	46.7	0.00	4.73	5.30	0.00	0.43	0.43
11	0	749	752	54	292.5	0.0	13.9	13.9	0.00	2.74	2.75	0.00	0.36	0.36
12	0	807	1021	66	387.5	0.0	12.2	15.5	0.00	1.84	2.33	0.00	0.28	0.32

BIOYEAR-72

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	24	15	39	18	90.0	1.3	0.8	2.2	0.27	0.17	0.43	0.08	0.05	0.12
2	366	0	531	86	430.0	4.3	0.0	6.2	0.85	0.00	1.23	0.21	0.00	0.27
3	690	0	856	57	285.0	12.1	0.0	15.0	2.42	0.00	3.00	0.36	0.00	0.41
4	499	0	501	45	225.0	11.1	0.0	11.1	2.22	0.00	2.23	0.23	0.00	0.23
5	204	0	204	45	225.0	4.5	0.0	4.5	0.91	0.00	0.91	0.14	0.00	0.14
6	191	0	191	44	220.0	4.3	0.0	4.3	0.87	0.00	0.87	0.20	0.00	0.20
7	97	0	97	11	55.0	8.8	0.0	8.8	1.76	0.00	1.76	0.25	0.00	0.25
8	212	0	216	47	235.0	4.5	0.0	4.6	0.90	0.00	0.92	0.14	0.00	0.14
9	257	0	301	71	355.0	3.6	0.0	4.2	0.72	0.00	0.85	0.10	0.00	0.11
10	0	208	649	105	695.0	0.0	2.0	6.2	0.00	0.28	0.86	0.00	0.08	0.16
11	0	447	656	65	325.0	0.0	6.9	10.1	0.00	1.36	2.02	0.00	0.22	0.27
12	0	333	343	65	325.0	0.0	5.1	5.3	0.00	1.02	1.06	0.00	0.17	0.17

BIOYEAR-73

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	920	175	1106	79	395.0	11.6	2.2	14.0	2.33	0.44	2.80	0.20	0.07	0.22
2	4914	0	5137	79	395.0	62.2	0.0	65.0	12.44	0.00	13.01	0.68	0.00	0.69
3	428	0	428	74	370.0	5.8	0.0	5.8	1.16	0.00	1.16	0.15	0.00	0.15
4	11741	0	11741	125	625.0	93.6	0.0	93.9	18.72	0.00	18.79	0.44	0.00	0.44
5	3053	0	3054	75	375.0	40.6	0.0	40.5	8.99	0.00	8.99	0.60	0.00	0.60
11	0	433	516	30	253.0	0.0	8.7	10.3	0.00	1.73	2.06	0.00	0.23	0.25
12	0	1164	1242	25	125.0	0.0	46.6	49.7	0.00	9.31	9.94	0.00	0.37	0.38

BIOYEAR-74

BIO MONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	24	26	13	65.0	0.1	1.8	2.0	0.02	0.37	0.40	0.01	0.08	0.09
5	11271	0	11282	134	670.0	84.1	0.0	84.2	16.82	0.00	16.84	0.37	0.00	0.37
6	2823	0	2834	80	400.0	35.3	0.0	35.4	7.06	0.00	7.09	0.29	0.00	0.29
7	9324	0	9447	16	80.0	582.7	0.0	590.4	116.04	0.00	117.57	1.02	0.00	1.02
11	0	10626	11685	217	1085.0	0.0	49.0	53.8	0.00	9.79	10.77	0.00	0.72	0.75

ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
5	5766	0	5770	140	700.0	41.2	0.0	41.2	8.26	0.00	8.26	0.24	0.00	0.24
6	3	0	3	77	385.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
7	4916	0	4979	23	115.0	213.7	0.0	213.7	42.75	0.00	43.30	0.71	0.00	0.71
11	0	5609	6471	359	1795.0	0.0	15.6	15.6	0.00	3.12	3.61	0.00	0.36	0.39

BIOYEAR=76

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
7	39	0	39	174	870.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
11	0	243	410	354	1770.0	0.0	0.7	1.2	0.00	0.14	0.23	0.00	0.04	0.06
12	0	155	157	45	225.0	0.0	3.4	3.5	0.00	0.69	0.70	0.00	0.16	0.16

BIOYEAR=77

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
5	2	0	2	48	240.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
6	814	0	814	165	825.0	4.9	0.0	4.9	0.99	0.00	0.99	0.12	0.00	0.12
7	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	27	64	317.0	0.0	0.0	0.4	0.00	0.00	0.08	0.00	0.00	0.03
11	0	62	88	252	1260.0	0.0	0.2	0.3	0.00	0.05	0.07	0.00	0.02	0.02
12	0	36	86	27	135.0	0.0	1.3	3.2	0.00	0.27	0.64	0.00	0.08	0.15

BIOYEAR=78

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	6547	0	6560	87	435.0	75.3	0.0	75.4	15.05	0.00	15.08	0.84	0.00	0.84
5	25853	0	25853	282	1410.0	91.7	0.0	91.7	18.34	0.00	18.34	0.53	0.00	0.53
6	7056	0	7069	70	350.0	100.8	0.0	101.0	20.16	0.00	20.20	0.64	0.00	0.64
7	92	0	92	76	380.0	1.2	0.0	1.2	0.24	0.00	0.24	0.05	0.00	0.05
9	121	0	121	26	130.0	4.7	0.0	4.7	0.93	0.00	0.93	0.12	0.00	0.12
10	0	5	310	32	160.0	0.0	0.2	9.7	0.00	0.03	1.94	0.00	0.01	0.20
11	0	303	459	39	194.0	0.0	7.8	11.8	0.00	1.56	2.36	0.00	0.27	0.34
12	0	368	432	32	160.0	0.0	11.5	13.5	0.00	2.30	2.70	0.00	0.38	0.41

BIOYEAR=79

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	88	222	316	32	160.0	2.7	6.9	9.9	0.55	1.39	1.97	0.14	0.25	0.31
2	358	0	497	31	155.0	11.5	0.0	16.0	2.31	0.00	3.21	0.39	0.00	0.47
3	1197	0	1438	32	160.0	37.4	0.0	44.9	7.48	0.00	8.99	0.61	0.00	0.67
4	1342	0	1596	37	184.0	36.3	0.0	43.1	7.43	0.00	8.83	0.64	0.00	0.68
5	1921	0	1924	28	140.0	68.6	0.0	68.7	13.72	0.00	13.74	0.66	0.00	0.66
6	223	0	223	46	230.0	4.8	0.0	4.8	0.97	0.00	0.97	0.16	0.00	0.16
7	99	0	99	42	210.0	2.4	0.0	2.4	0.47	0.00	0.47	0.13	0.00	0.13
8	74	0	74	15	75.0	4.9	0.0	4.9	0.99	0.00	0.99	0.23	0.00	0.23
9	843	0	843	36	170.0	24.8	0.0	24.0	4.96	0.00	4.96	0.35	0.00	0.35
10	0	491	745	35	175.0	0.0	14.0	21.3	0.00	2.81	4.26	0.00	0.23	0.28
11	0	306	337	35	175.0	0.0	8.7	9.6	0.00	1.75	1.93	0.00	0.28	0.29
12	0	156	181	34	170.0	0.0	4.6	5.3	0.00	0.92	1.06	0.00	0.20	0.22

BIOYEAR=80

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	47	173	294	53	265.0	0.9	3.3	5.5	0.18	0.65	1.11	0.06	0.16	0.23
2	161	0	260	25	125.0	6.4	0.0	10.4	1.29	0.00	2.08	0.27	0.00	0.36
3	3021	0	3277	36	180.0	83.9	0.0	91.0	15.50	0.00	16.81	0.67	0.00	0.69
4	1620	0	1651	49	245.0	33.1	0.0	33.7	6.61	0.00	6.74	0.56	0.00	0.56
5	196	0	196	43	215.0	4.6	0.0	4.6	0.91	0.00	0.91	0.14	0.00	0.14
6	0	0	0	31	152.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	17	85.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	8	0	37	36	178.0	0.2	0.0	1.0	0.04	0.00	0.21	0.02	0.00	0.06
10	0	2	49	35	175.0	0.0	0.1	1.4	0.00	0.01	0.28	0.00	0.00	0.07
11	0	31	69	38	191.0	0.0	0.8	1.8	0.00	0.16	0.36	0.00	0.06	0.11
12	0	30	51	24	120.0	0.0	1.3	2.1	0.00	0.25	0.43	0.00	0.08	0.13

BIOYEAR=81

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	36	40	85	37	185.0	1.0	1.1	2.3	0.19	0.22	0.46	0.05	0.05	0.08
2	156	0	172	38	190.0	4.1	0.0	4.5	0.82	0.00	0.91	0.17	0.00	0.18
3	1703	0	1703	37	182.5	46.0	0.0	46.0	9.22	0.00	9.22	0.60	0.00	0.60
4	714	0	714	47	235.0	15.2	0.0	15.2	3.04	0.00	3.04	0.31	0.00	0.31
5	27	0	27	11	55.0	2.5	0.0	2.5	0.49	0.00	0.49	0.15	0.00	0.15
6	4	0	4	48	240.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
7	0	0	0	46	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	4	0	8	52	260.0	0.1	0.0	0.2	0.02	0.00	0.03	0.01	0.00	0.01
9	6	0	14	37	185.0	0.2	0.0	0.4	0.03	0.00	0.08	0.01	0.00	0.03
10	0	0	32	38	190.0	0.0	0.0	0.8	0.00	0.00	0.17	0.00	0.00	0.05
11	0	320	377	38	190.0	0.0	8.4	9.9	0.00	1.68	1.98	0.00	0.26	0.28
12	0	349	377	46	230.0	0.0	7.6	8.2	0.00	1.52	1.64	0.00	0.26	0.27



ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=82

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	20	234	263	48	238.0	0.4	4.9	5.5	0.08	0.97	1.10	0.03	0.19	0.20
2	119	0	119	48	236.0	2.5	0.0	7.3	0.51	0.00	1.49	0.14	0.00	0.27
3	1219	0	1364	47	235.0	25.9	0.0	29.1	5.19	0.00	5.81	0.55	0.00	0.58
4	5612	0	6648	48	240.0	116.9	0.0	138.5	23.38	0.00	27.70	0.60	0.00	0.64
5	3726	0	3751	32	160.0	116.4	0.0	117.2	23.29	0.00	23.44	0.70	0.00	0.70
6	1094	0	1094	54	270.0	20.3	0.0	20.3	4.05	0.00	4.05	0.34	0.00	0.34
7	3203	0	3241	14	70.0	228.8	0.0	231.5	45.76	0.00	46.30	0.76	0.00	0.76
8	124	0	124	15	75.0	8.3	0.0	8.3	1.65	0.00	1.65	0.27	0.00	0.27
9	1036	0	1173	40	200.0	25.9	0.0	29.3	5.18	0.00	5.87	0.37	0.00	0.39
10	0	2622	2632	39	195.0	0.0	67.2	72.6	0.00	13.45	14.52	0.00	0.84	0.84
11	0	4064	4149	39	195.0	0.0	104.2	106.4	0.00	20.84	21.28	0.00	1.00	1.01
12	0	423	432	38	184.0	0.0	11.1	11.4	0.00	2.26	2.31	0.00	0.41	0.41

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	270	306	38	192.0	0.0	7.1	8.1	0.01	1.40	1.59	0.00	0.29	0.31
2	555	0	1740	45	325.0	8.5	0.0	26.8	1.71	0.00	5.35	0.37	0.00	0.67
3	2511	0	3201	50	250.0	50.2	0.0	64.0	10.04	0.00	12.80	0.75	0.00	0.83
4	4797	0	5666	39	194.0	123.0	0.0	145.3	24.62	0.00	29.08	1.03	0.00	1.09
5	128	0	128	19	95.0	6.7	0.0	6.7	1.35	0.00	1.35	0.19	0.00	0.19
6	1	0	1	13	65.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
7	39	0	39	38	190.0	1.0	0.0	1.0	0.21	0.00	0.21	0.05	0.00	0.05
8	190	0	338	45	222.5	4.2	0.0	7.5	0.85	0.00	1.50	0.05	0.00	0.06
9	39	0	39	50	250.0	0.8	0.0	0.8	0.16	0.00	0.16	0.04	0.00	0.04
10	0	71	674	48	237.5	0.0	1.5	14.1	0.00	0.30	2.84	0.00	0.08	0.30
11	0	438	655	47	235.0	0.0	9.3	13.9	0.00	1.86	2.79	0.00	0.30	0.37
12	0	752	854	46	230.0	0.0	16.3	18.6	0.00	3.27	3.71	0.00	0.41	0.43

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	53	558	625	37	185.0	1.4	15.1	16.9	0.25	3.02	3.38	0.10	0.47	0.49
2	11399	0	14726	49	245.0	232.6	0.0	300.5	44.53	0.00	80.11	1.06	0.00	1.15
3	15284	0	16597	49	245.0	318.0	0.0	338.7	63.61	0.00	67.74	1.36	0.00	1.38
4	1446	0	1446	12	60.0	120.5	0.0	120.5	24.10	0.00	24.10	1.00	0.00	1.00
5	11074	0	11074	36	180.0	307.6	0.0	307.6	61.52	0.00	61.52	1.07	0.00	1.07
6	9	0	9	26	131.0	0.3	0.0	0.3	0.07	0.00	0.07	0.02	0.00	0.02
7	285	0	285	26	130.0	11.0	0.0	11.0	2.19	0.00	2.19	0.33	0.00	0.33
8	180	0	180	26	130.0	6.9	0.0	6.9	1.38	0.00	1.38	0.18	0.00	0.18
9	259	0	592	35	175.0	7.4	0.0	16.9	1.46	0.00	3.38	0.23	0.00	0.35
10	0	326	440	12	60.0	0.0	27.2	36.7	0.00	5.43	7.33	0.00	0.47	0.54
11	0	550	618	38	189.0	0.0	14.5	16.3	0.00	2.91	3.27	0.00	0.37	0.39
12	0	164	224	22	110.0	0.0	7.5	10.2	0.00	1.49	2.04	0.00	0.34	0.41

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	11093	2864	14536	27	135.0	410.9	106.1	538.4	82.17	21.21	107.67	1.20	0.77	1.29
2	9400	0	11992	45	225.0	208.9	0.0	266.5	41.78	0.00	53.30	1.38	0.00	1.48
3	440	0	440	22	110.0	20.0	0.0	20.0	4.00	0.00	4.00	0.32	0.00	0.32
4	209	0	209	24	120.0	8.7	0.0	8.7	1.76	0.00	1.74	0.21	0.00	0.21
5	93	0	101	25	125.0	3.7	0.0	4.0	0.76	0.00	0.81	0.17	0.00	0.17
6	52	0	96	24	120.0	2.2	0.0	4.0	0.43	0.00	0.80	0.10	0.00	0.14
7	354	0	928	37	185.0	9.6	0.0	25.1	1.91	0.00	5.02	0.34	0.00	0.55
8	0	1534	1796	35	175.0	0.0	43.8	51.3	0.00	8.77	10.26	0.00	0.63	0.67
9	0	587	630	37	185.0	0.0	15.9	17.0	0.00	3.17	3.41	0.00	0.38	0.39
10	0	128	182	39	196.0	0.0	3.3	4.7	0.00	0.66	0.93	0.00	0.15	0.18

BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	36	63	35	175.0	0.0	1.0	1.8	0.00	0.21	0.36	0.00	0.07	0.10
2	2180	0	2200	37	185.0	58.9	0.0	59.5	11.78	0.00	11.89	0.86	0.00	0.86
3	4896	0	4906	36	180.0	136.0	0.0	136.3	27.23	0.00	27.26	0.87	0.00	0.87
4	3902	0	3902	23	115.0	169.7	0.0	169.7	33.93	0.00	33.93	1.00	0.00	1.00
5	624	0	624	23	115.0	27.1	0.0	27.1	5.43	0.00	5.43	0.52	0.00	0.52
6	240	0	240	24	120.0	10.0	0.0	10.0	2.00	0.00	2.00	0.24	0.00	0.24
7	312	0	401	23	115.0	13.6	0.0	17.4	2.71	0.00	3.49	0.28	0.00	0.31
8	229	0	230	24	120.0	9.5	0.0	9.6	1.91	0.00	1.92	0.16	0.00	0.16
9	1936	0	2082	36	180.0	53.8	0.0	57.8	10.76	0.00	11.57	0.51	0.00	0.53
10	0	3991	4064	37	185.0	0.0	107.9	109.8	0.00	21.57	21.97	0.00	0.72	0.73
11	0	946	1006	33	165.0	0.0	28.7	30.5	0.00	5.73	6.10	0.00	0.47	0.48
12	0	131	145	34	161.0	0.0	3.9	4.3	0.00	0.77	0.85	0.00	0.20	0.21

BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	356	93	468	32	160.0	11.1	2.9	14.6	2.23	0.58	2.93	0.28	0.13	0.32
2	916	0	956	34	170.0	26.9	0.0	28.1	5.39	0.00	5.62	0.49	0.00	0.50
3	1539	0	1542	34	170.0	45.3	0.0	45.4	9.05	0.00	9.07	0.65	0.00	0.65
4	189	0	308	34	170.0	5.6	0.0	5.6	1.11	0.00	1.81	0.11	0.00	0.14
10	0	289	390	34	170.0	0.0	8.5	11.5	0.00	1.70	2.29	0.00	0.18	0.21
11	0	774	966	34	170.0	0.0	22.8	28.4	0.00	4.55	5.68	0.00	0.34	0.36
12	0	130	135	34	170.0	0.0	3.8	4.0	0.00	0.76	0.79	0.00	0.15	0.15

ATLANTIC CROAKER INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=88

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	251	32	307	34	170.0	7.4	0.9	9.0	1.48	0.19	1.81	0.22	0.06	0.24
2	1259	0	1311	34	170.0	37.0	0.0	38.6	7.41	0.00	7.71	0.46	0.00	0.46
3	2358	0	2358	32	160.0	73.7	0.0	73.7	16.74	0.00	16.74	0.62	0.00	0.62
4	843	0	843	21	105.0	40.1	0.0	40.1	8.03	0.00	8.03	0.68	0.00	0.68
5	350	0	350	25	125.0	14.0	0.0	14.0	2.80	0.00	2.80	0.34	0.00	0.34
6	251	0	251	25	125.0	10.0	0.0	10.0	2.01	0.00	2.01	0.29	0.00	0.29
7	314	0	315	25	125.0	12.6	0.0	12.6	2.51	0.00	2.52	0.23	0.00	0.23
8	485	0	485	25	125.0	19.4	0.0	19.4	3.88	0.00	3.88	0.25	0.00	0.25
9	441	0	493	34	170.0	13.0	0.0	14.5	2.39	0.00	2.90	0.26	0.00	0.27
10	0	301	305	34	170.0	0.0	8.9	11.3	0.00	1.77	2.26	0.00	0.20	0.22
11	0	460	473	34	170.0	0.0	13.5	13.9	0.00	2.71	2.78	0.00	0.29	0.29
12	0	236	242	34	170.0	0.0	6.9	7.1	0.00	1.39	1.42	0.00	0.19	0.19

BIOYEAR=89

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3447	222	3680	34	170.0	101.4	6.5	108.2	20.28	1.31	21.65	0.55	0.20	0.57
2	7162	0	7270	34	170.0	210.6	0.0	213.8	42.13	0.00	42.76	0.90	0.00	0.91
3	8502	0	8604	34	170.0	250.1	0.0	253.1	50.01	0.00	50.61	0.98	0.00	0.98
4	7185	0	7197	23	115.0	312.4	0.0	312.9	62.48	0.00	62.58	0.93	0.00	0.93
5	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	1	0	1	25	125.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
7	317	0	326	25	125.0	12.7	0.0	13.0	2.54	0.00	2.61	0.25	0.00	0.25
8	61	0	74	25	125.0	2.4	0.0	3.0	0.49	0.00	0.59	0.11	0.00	0.12
9	184	0	435	34	170.0	5.4	0.0	12.8	1.08	0.00	2.56	0.14	0.00	0.22
10	0	350	350	34	170.0	0.0	9.7	9.7	0.00	1.94	1.94	0.00	0.16	0.16
11	0	160	161	35	175.0	0.0	4.6	4.6	0.00	0.91	0.92	0.00	0.14	0.14
12	0	101	213	34	170.0	0.0	3.0	6.3	0.00	0.59	1.25	0.00	0.08	0.13

BIOYEAR=90

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	5	24	32	34	170.0	0.1	0.7	0.9	0.03	0.14	0.19	0.01	0.04	0.05
2	3798	0	3920	27	135.0	140.7	0.0	145.2	28.13	0.00	29.04	0.44	0.00	0.45
3	8908	0	9016	34	170.0	262.0	0.0	265.2	52.40	0.00	53.04	0.63	0.00	0.63
4	3213	0	3215	22	110.0	146.0	0.0	146.1	29.21	0.00	29.23	0.98	0.00	0.98

YOY ATLANTIC CROAKER INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	4	7	120.0	0.0	0.6	0.00	0.02	0.00	0.01
55	162	318	26	362.5	6.2	12.2	0.42	0.82	0.10	0.15
56	2119	2333	85	1136.5	24.9	27.4	2.31	2.35	0.26	0.26
57	861	1366	102	1200.0	8.4	13.4	0.75	1.23	0.14	0.18
58	273	391	58	690.0	4.7	6.7	0.50	0.72	0.10	0.12
59	341	429	44	517.5	7.7	8.3	0.98	1.23	0.13	0.14
60	132	152	16	202.5	8.3	6.3	0.55	0.95	0.07	0.07
61	97	117	53	592.5	1.8	2.2	0.20	0.23	0.04	0.05
62	22	62	46	555.0	0.5	1.3	0.03	0.09	0.01	0.03
63	81	88	73	852.5	1.1	1.2	0.13	0.14	0.03	0.03
64	1205	1635	119	1557.0	10.1	12.1	0.92	1.11	0.14	0.16
65	997	1038	145	1942.5	6.9	7.2	0.62	0.64	0.09	0.10
66	506	546	139	1802.5	3.6	3.9	0.31	0.34	0.07	0.07
67	4	9	157	2027.0	0.0	0.1	0.00	0.00	0.00	0.00
68	1138	1169	195	2463.0	5.8	6.0	0.44	0.45	0.05	0.06
69	3135	3314	190	2275.5	16.5	17.4	1.59	1.68	0.16	0.17
70	1871	2978	212	2424.0	8.8	14.0	0.81	1.24	0.10	0.17
71	10036	10535	490	3804.5	20.5	21.5	3.32	3.48	0.25	0.25
72	2540	2926	424	2120.0	6.0	6.9	1.20	1.38	0.19	0.22
73	20995	21446	432	2160.0	48.6	49.6	9.72	9.93	0.42	0.42
74	23419	23589	243	1215.0	96.4	97.1	19.34	19.38	0.37	0.37
75	10685	10752	240	1200.0	44.5	44.8	8.90	8.96	0.21	0.21
76	39	39	174	870.0	0.2	0.2	0.04	0.04	0.01	0.01
77	816	816	260	1300.0	3.1	3.1	0.63	0.63	0.08	0.08
78	39669	39695	541	2705.0	73.3	73.4	14.67	14.67	0.51	0.51
79	6145	7010	297	1484.0	20.7	23.6	4.16	4.75	0.36	0.40
80	5053	5715	325	1620.0	15.5	17.6	2.97	3.36	0.21	0.25
81	2650	2727	353	1762.5	7.5	7.7	1.50	1.55	0.14	0.14
82	16153	18009	346	1724.0	46.7	52.0	9.34	10.41	0.39	0.44
83	8261	11458	357	1783.5	23.1	32.1	4.63	6.42	0.31	0.42
84	40289	45534	296	1481.0	136.1	153.8	27.22	30.77	0.66	0.74
85	21641	28302	204	1020.0	106.1	138.7	21.22	27.75	0.62	0.69
86	14319	14668	261	1305.0	54.9	56.1	10.97	11.22	0.51	0.53
87	3000	3274	134	470.0	22.4	24.4	4.48	4.69	0.39	0.40
88	6552	6713	255	1275.0	25.7	26.3	5.14	5.27	0.37	0.37
89	26859	27587	259	1295.0	103.7	106.5	20.74	21.30	0.46	0.47
90	15926	16183	117	585.0	136.1	136.3	27.22	27.46	0.47	0.48

## AGE 1+ ATLANTIC CROAKER INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

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BIOYEAR	NUMBER AGE 1	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 1 / HAUL	TOT NUM / HAUL	NUM AGE 1 / MINUTE	TOT NUM / MINUTE	NUM AGE 1 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	296	15	157.5	0.0	19.7	0.00	1.87	0.00	0.33
55	64	66	27	405.0	2.4	2.4	0.16	0.16	0.06	0.06
56	440	679	23	307.5	19.1	29.5	1.76	2.72	0.31	0.38
57	558	759	45	532.5	12.4	16.9	1.10	1.53	0.21	0.24
58	61	151	48	570.0	1.3	3.1	0.13	0.28	0.03	0.07
59	273	274	38	472.5	7.2	7.2	0.48	0.49	0.10	0.10
60	21	30	18	202.5	1.2	1.7	0.08	0.11	0.03	0.04
61	416	451	24	270.0	17.3	18.8	1.27	1.38	0.21	0.23
62	38	44	24	285.0	1.6	1.8	0.11	0.13	0.03	0.04
63	205	288	48	627.5	4.3	6.0	0.28	0.41	0.07	0.09
64	607	895	56	727.0	10.8	16.0	0.97	1.46	0.17	0.22
65	1	31	63	840.0	0.0	0.5	0.00	0.03	0.00	0.01
66	227	334	68	876.5	3.3	4.9	0.28	0.42	0.08	0.10
67	21	79	88	1059.0	0.2	0.9	0.02	0.06	0.01	0.02
68	155	169	86	1046.5	1.8	2.0	0.16	0.18	0.05	0.05
69	82	122	88	1066.0	0.9	1.4	0.07	0.11	0.02	0.03
70	422	572	224	1737.0	1.9	2.6	0.17	0.25	0.04	0.06
71	3805	4327	234	1617.5	16.3	18.5	2.24	2.53	0.26	0.28
72	1003	1687	253	1435.0	4.0	6.7	0.74	1.18	0.14	0.19
73	1772	2864	154	773.0	11.5	18.6	2.30	3.72	0.17	0.26
74	10650	11711	230	1150.0	46.3	50.9	9.26	10.18	0.69	0.71
75	5609	6471	359	1795.0	15.6	18.0	3.12	3.61	0.36	0.39
76	398	507	399	1995.0	1.0	1.4	0.20	0.28	0.06	0.07
77	98	201	343	1712.0	0.3	0.6	0.06	0.12	0.02	0.03
78	676	1201	103	514.0	6.6	11.7	1.31	2.33	0.22	0.32
79	1175	1579	136	680.0	8.6	11.6	1.73	2.32	0.24	0.27
80	236	463	150	751.0	1.6	3.1	0.31	0.62	0.09	0.14
81	709	871	159	795.0	4.5	5.5	0.89	1.10	0.15	0.18
82	7343	7676	164	814.0	44.8	46.8	8.96	9.37	0.59	0.60
83	1531	2491	179	894.5	8.6	13.9	1.71	2.78	0.27	0.35
84	1598	1907	109	544.0	14.7	17.5	2.96	3.50	0.41	0.45
85	5113	17144	138	691.0	37.1	124.2	7.41	24.85	0.45	0.58
86	5104	5278	139	686.0	36.7	38.0	7.34	7.59	0.37	0.39
87	1286	1959	134	670.0	9.6	14.6	1.92	2.92	0.20	0.26
88	1029	1407	136	680.0	7.6	10.3	1.51	2.07	0.18	0.24
89	813	4384	137	685.0	5.9	32.0	1.19	6.40	0.14	0.25
90	24	32	34	170.0	0.7	0.9	0.14	0.19	0.04	0.05

Table 8

SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
11	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	1	30.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=55

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	1	1	3	45.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
3	6	11	17	4	75.0	1.5	2.7	4.2	0.08	0.14	0.21	0.03	0.05	0.08
4	41	10	51	11	82.5	3.7	0.9	4.6	0.50	0.12	0.62	0.16	0.05	0.18
6	56	45	101	3	45.0	18.7	15.0	33.7	1.25	1.00	2.24	0.27	0.24	0.38

BIOYEAR=56

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	11	137.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	189	338	527	12	180.0	15.8	28.2	43.9	1.05	1.88	2.93	0.12	0.17	0.21
4	177	46	223	12	180.0	14.8	3.8	18.6	0.98	0.26	1.24	0.25	0.09	0.29
5	674	213	887	12	180.0	39.5	17.8	57.2	2.63	1.18	3.82	0.38	0.25	0.45
6	454	364	818	12	180.0	37.8	30.3	68.2	2.52	2.02	4.55	0.37	0.33	0.49
7	100	63	163	11	165.0	9.1	5.7	14.8	0.61	0.38	0.99	0.17	0.12	0.24
8	724	88	812	11	154.0	65.8	8.0	73.8	4.39	0.53	4.92	0.50	0.15	0.33
9	29	6	35	11	142.5	2.6	0.5	3.2	0.18	0.04	0.21	0.06	0.01	0.07
10	0	0	0	11	105.0	0.0	0.0	1.6	0.00	0.00	0.10	0.00	0.00	0.04
11	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=57

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	1	260	261	11	127.5	0.1	23.6	23.7	0.01	1.88	1.89	0.00	0.32	0.32
5	20	0	103	11	127.5	1.8	0.0	9.4	0.13	0.00	0.66	0.05	0.00	0.19
6	16	0	63	11	127.5	1.5	0.0	5.7	0.10	0.00	0.40	0.04	0.00	0.12
7	47	0	73	11	127.5	4.3	0.0	6.6	0.42	0.00	0.65	0.11	0.00	0.14
8	19	0	32	11	127.5	1.7	0.0	2.9	0.18	0.00	0.30	0.05	0.00	0.08
9	18	0	18	11	127.5	1.6	0.0	1.6	0.11	0.00	0.11	0.03	0.00	0.03
10	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=58

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	1	4	5	14	172.5	0.1	0.3	0.4	0.01	0.02	0.02	0.00	0.01	0.01
3	202	349	551	11	135.0	18.4	31.7	50.1	1.75	3.03	4.78	0.24	0.32	0.39
4	540	142	682	11	127.5	49.1	12.9	62.0	4.19	1.10	5.30	0.35	0.26	0.61
5	276	122	398	12	142.5	23.0	10.2	33.2	2.38	1.05	3.43	0.33	0.20	0.40
6	56	42	98	11	127.5	5.1	3.8	8.9	0.45	0.36	0.79	0.14	0.11	0.20
7	36	24	60	11	127.5	3.3	2.2	5.5	0.23	0.15	0.38	0.07	0.05	0.10
8	92	11	103	11	127.5	8.4	1.0	9.4	0.62	0.07	0.70	0.17	0.03	0.18
9	1	0	1	12	142.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00

BIOYEAR=59

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	10	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	1	116	120	3	45.0	0.3	38.7	40.0	0.02	2.58	2.66	0.01	0.48	0.49
3	37	30	110	11	127.5	3.4	2.7	10.0	0.30	0.24	0.88	0.10	0.08	0.21
4	463	0	475	15	187.5	30.9	0.0	31.7	2.16	0.00	2.21	0.38	0.00	0.38
5	49	0	58	11	127.5	4.5	0.0	5.3	0.36	0.00	0.43	0.12	0.00	0.13
6	48	0	52	11	127.5	4.4	0.0	4.7	0.30	0.00	0.32	0.10	0.00	0.11
7	24	0	39	11	127.5	2.2	0.0	3.5	0.18	0.00	0.28	0.06	0.00	0.09
8	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=60

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	1	5	6	10	135.0	0.1	0.5	0.6	0.01	0.03	0.04	0.00	0.01	0.02
4	57	16	73	9	112.5	6.3	1.8	8.1	0.42	0.12	0.54	0.12	0.04	0.15
5	36	15	51	8	97.5	4.5	1.9	6.4	0.30	0.12	0.43	0.09	0.05	0.12
10	0	0	0	6	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=61

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	1	1	4	60.0	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
2	2	0	2	6	67.5	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
3	0	2	2	6	67.5	0.0	0.3	0.3	0.00	0.03	0.03	0.00	0.01	0.01
4	3	0	3	6	67.5	0.5	0.0	0.5	0.03	0.00	0.03	0.01	0.00	0.01
5	107	0	141	6	67.5	17.8	0.0	23.5	1.19	0.00	1.57	0.25	0.00	0.30
6	0	0	11	6	67.5	0.0	0.0	1.8	0.00	0.00	0.12	0.00	0.00	0.04
7	6	0	44	6	67.5	1.0	0.0	7.3	0.07	0.00	0.49	0.03	0.00	0.13
8	3	0	4	6	67.5	0.5	0.0	0.7	0.03	0.00	0.05	0.01	0.00	0.02
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	5	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	39	6	45	6	67.5	6.5	1.0	7.5	0.31	0.12	0.93	0.14	0.04	0.16
3	8	7	17	6	67.5	1.3	1.2	2.8	0.09	0.08	0.19	0.03	0.03	0.07
4	632	0	687	6	67.5	105.3	0.0	114.5	7.02	0.00	7.63	0.51	0.00	0.52
5	119	0	155	6	67.5	19.8	0.0	25.8	1.34	0.00	1.76	0.25	0.00	0.29
6	37	0	106	3	37.5	12.3	0.0	35.3	0.91	0.00	2.60	0.27	0.00	0.53
7	17	0	32	3	45.0	5.7	0.0	10.7	0.36	0.00	0.71	0.12	0.00	0.19
8	10	0	10	5	60.0	2.0	0.0	2.0	0.13	0.00	0.13	0.03	0.00	0.05
9	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	4	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=63

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	1	1	7	82.5	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
4	177	0	182	7	82.5	25.3	0.0	26.0	1.69	0.00	1.73	0.30	0.00	0.30
5	124	0	155	7	82.5	17.7	0.0	22.1	1.23	0.00	1.53	0.30	0.00	0.35
6	22	0	64	7	82.5	3.1	0.0	9.1	0.21	0.00	0.63	0.07	0.00	0.18
7	28	17	45	7	82.5	4.0	2.4	6.4	0.27	0.16	0.43	0.09	0.06	0.14
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	18	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=64

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	55	31	116	15	200.0	3.7	2.1	7.7	0.28	0.16	0.59	0.09	0.06	0.17
4	481	0	535	14	187.5	34.4	0.0	38.2	2.29	0.00	2.55	0.34	0.00	0.36
5	44	0	74	12	157.5	3.7	0.0	6.2	0.26	0.00	0.43	0.09	0.00	0.14
6	83	0	180	12	157.5	6.9	0.0	15.0	0.48	0.00	1.04	0.14	0.00	0.26
7	88	0	147	12	157.5	7.3	0.0	12.3	0.49	0.00	0.83	0.16	0.00	0.19
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	11	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	20	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	17	217.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	14	184.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	2	3	5	13	172.5	0.2	0.2	0.4	0.01	0.02	0.03	0.00	0.01	0.01
3	0	21	21	12	157.5	0.0	1.8	1.8	0.00	0.12	0.12	0.00	0.04	0.04
4	5	0	15	13	149.5	0.4	0.0	1.2	0.03	0.00	0.08	0.01	0.00	0.03
5	26	0	49	19	262.5	1.4	0.0	2.6	0.09	0.00	0.17	0.03	0.00	0.05
6	11	0	32	14	210.0	0.8	0.0	2.3	0.05	0.00	0.15	0.02	0.00	0.05
7	5	0	19	15	195.0	0.3	0.0	1.3	0.02	0.00	0.08	0.01	0.00	0.03
8	0	0	0	11	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	21	262.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	22	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=66

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	7	0	7	15	202.5	0.5	0.0	0.5	0.03	0.00	0.03	0.01	0.00	0.01
3	856	46	914	15	210.0	57.1	3.1	60.9	3.80	0.21	4.06	0.39	0.07	0.40
4	710	0	711	14	180.0	50.7	0.0	50.8	3.50	0.00	3.51	0.53	0.00	0.53
5	559	0	622	20	260.0	28.0	0.0	31.1	1.89	0.00	2.11	0.28	0.00	0.30
6	73	0	96	11	120.0	6.6	0.0	8.7	0.51	0.00	0.68	0.16	0.00	0.19
7	695	0	809	16	210.0	43.4	0.0	50.6	3.01	0.00	3.50	0.44	0.00	0.47
8	67	0	68	14	180.0	4.8	0.0	4.9	0.32	0.00	0.32	0.09	0.00	0.09
9	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	15	197.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	25	345.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=67

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	64	64	15	195.0	0.0	4.3	4.3	0.00	0.28	0.28	0.00	0.05	0.05
2	0	396	396	15	195.0	0.0	26.4	26.4	0.00	1.77	1.77	0.00	0.28	0.28
3	0	105	105	19	247.5	0.0	5.5	5.5	0.00	0.39	0.39	0.00	0.12	0.12
4	10	0	204	19	254.0	0.5	0.0	10.7	0.04	0.00	0.73	0.01	0.00	0.17
5	16	0	108	19	255.0	0.8	0.0	5.7	0.06	0.00	0.39	0.02	0.00	0.12
6	21	0	56	19	255.0	1.1	0.0	2.9	0.07	0.00	0.20	0.03	0.00	0.06
7	12	0	18	19	249.0	0.6	0.0	0.9	0.04	0.00	0.06	0.01	0.00	0.02
8	0	0	0	19	247.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	19	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	12	176.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	13	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	14	169.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	21	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	0	21	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	132	1	137	21	270.0	6.3	0.0	6.5	0.47	0.00	0.49	0.10	0.00	0.11
4	1927	0	1943	19	240.0	101.4	0.0	102.3	8.48	0.00	8.55	0.63	0.00	0.63
5	1500	0	1758	29	294.0	51.7	0.0	60.6	4.26	0.00	4.97	0.46	0.00	0.49
6	477	0	641	21	261.5	22.7	0.0	30.5	1.59	0.00	2.14	0.34	0.00	0.40
7	301	0	516	21	270.0	14.3	0.0	14.6	1.10	0.00	1.88	0.26	0.00	0.35
8	440	0	445	21	270.0	21.0	0.0	21.2	1.40	0.00	1.42	0.13	0.00	0.13
9	13	0	14	24	285.0	0.5	0.0	0.6	0.04	0.00	0.04	0.01	0.00	0.01
10	0	0	0	21	272.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	21	267.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	22	282.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	5	5	22	265.0	0.0	0.2	0.2	0.00	0.02	0.02	0.00	0.01	0.01
2	1	47	48	22	270.0	0.0	2.1	2.2	0.00	0.16	0.16	0.00	0.05	0.05
3	590	149	743	22	257.5	26.8	6.8	33.8	2.96	0.75	3.73	0.27	0.13	0.30
4	3502	0	3560	22	277.5	159.2	0.0	161.8	11.43	0.00	11.64	0.89	0.00	0.89
5	2018	0	2065	21	250.0	96.1	0.0	96.3	7.67	0.00	7.85	0.65	0.00	0.65
6	1890	0	2064	22	266.0	85.9	0.0	93.8	6.27	0.00	6.85	0.58	0.00	0.60
7	1236	0	1438	22	253.5	56.2	0.0	65.4	4.09	0.00	4.76	0.53	0.00	0.57
8	825	0	838	22	271.0	37.5	0.0	38.1	2.75	0.00	2.79	0.34	0.00	0.35
9	334	0	334	22	270.0	15.2	0.0	15.2	1.16	0.00	1.16	0.19	0.00	0.19
10	0	0	0	15	186.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	22	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	21	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	9	9	22	262.5	0.0	0.4	0.4	0.00	0.03	0.03	0.00	0.01	0.01
2	5	1152	1157	22	264.0	0.2	52.4	52.6	0.02	3.52	3.53	0.01	0.31	0.31
3	0	33	33	22	260.0	0.0	1.5	1.5	0.00	0.10	0.10	0.00	0.04	0.04
4	0	0	127	22	270.0	0.4	0.0	5.8	0.03	0.00	0.46	0.01	0.00	0.11
5	49	0	183	22	270.0	2.2	0.0	8.3	0.15	0.00	0.58	0.04	0.00	0.11
6	13	0	184	22	260.0	0.6	0.0	8.4	0.05	0.00	0.64	0.02	0.00	0.17
7	5	0	174	21	255.0	0.2	0.0	8.3	0.02	0.00	0.62	0.01	0.00	0.17
8	0	0	0	22	259.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	1	21	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	16	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	44	375.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	0	2	2	22	270.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
3	410	824	1234	61	455.0	6.7	13.5	20.2	1.34	2.70	4.04	0.19	0.27	0.32
4	5144	0	5231	61	362.0	83.5	0.0	84.6	8.73	0.00	8.88	0.64	0.00	0.65
5	7638	0	8032	60	460.0	127.3	0.0	133.9	10.06	0.00	10.58	0.55	0.00	0.56
6	3180	0	3688	60	460.0	53.0	0.0	61.5	5.20	0.00	6.03	0.53	0.00	0.57
7	1600	0	1847	60	475.0	26.7	0.0	30.8	3.05	0.00	3.52	0.38	0.00	0.41
8	1636	0	1723	60	462.5	27.3	0.0	28.7	3.23	0.00	3.40	0.39	0.00	0.40
9	292	0	292	60	452.5	4.9	0.0	4.9	0.44	0.00	0.94	0.05	0.00	0.05
10	0	0	447	60	400.0	0.0	0.0	7.5	0.00	0.00	0.88	0.00	0.00	0.08
11	0	0	35	60	450.0	0.0	0.0	0.6	0.00	0.00	0.07	0.00	0.00	0.02
12	0	11	11	60	442.0	0.0	0.2	0.2	0.00	0.03	0.03	0.00	0.01	0.01

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	121	121	35	327.5	0.0	3.5	3.5	0.00	0.30	0.30	0.00	0.05	0.05
2	16	187	203	35	335.0	0.5	5.3	5.8	0.07	0.81	0.88	0.02	0.12	0.13
3	86	428	567	54	477.5	1.6	7.9	10.5	0.15	0.77	1.02	0.05	0.17	0.20
4	863	0	906	54	292.5	16.0	0.0	16.8	2.70	0.00	2.83	0.37	0.00	0.37
5	889	0	1032	61	362.0	14.6	0.0	15.4	1.34	0.00	2.44	0.36	0.00	0.39
6	150	0	156	18	90.0	8.3	0.0	8.7	1.67	0.00	1.73	0.30	0.00	0.30
7	2304	0	2526	86	430.0	26.8	0.0	29.4	5.36	0.00	5.87	0.54	0.00	0.56
8	548	0	566	57	285.0	9.6	0.0	9.9	1.92	0.00	1.99	0.31	0.00	0.32
9	2	0	2	45	225.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
10	0	0	3	5	225.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.01
11	0	0	6	44	220.0	0.0	0.0	0.1	0.00	0.00	0.03	0.00	0.00	0.01
12	0	0	0	11	55.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	5018	421	5439	71	355.0	70.7	5.9	76.6	14.14	1.19	15.32	0.64	0.21	0.67
3	4887	2136	7086	105	695.0	46.5	20.3	67.5	6.00	2.63	8.71	0.67	0.31	0.56
4	1967	0	1994	65	325.0	30.3	0.0	30.7	6.05	0.00	6.16	0.50	0.00	0.50
5	1243	0	1279	65	325.0	19.1	0.0	19.7	3.82	0.00	3.94	0.33	0.00	0.34
6	1426	0	1493	79	395.0	18.1	0.0	18.9	3.61	0.00	3.78	0.36	0.00	0.36
7	1242	0	1309	79	395.0	15.7	0.0	16.6	3.14	0.00	3.31	0.41	0.00	0.42
10	0	0	72	74	370.0	0.0	0.0	1.0	0.00	0.00	0.19	0.00	0.00	0.05
11	0	0	672	125	625.0	0.0	0.0	5.4	0.00	0.00	1.08	0.00	0.00	0.12
12	0	2140	2149	75	375.0	0.0	28.5	28.7	0.00	5.71	5.73	0.00	0.23	0.23

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	1836	0	3314	50	253.0	36.8	0.0	66.3	7.35	0.00	13.25	0.39	0.00	0.50
5	70	0	94	25	125.0	2.8	0.0	3.8	0.56	0.00	0.75	0.14	0.00	0.17
6	614	0	720	13	65.0	47.2	0.0	55.4	9.45	0.00	11.08	0.58	0.00	0.62
10	0	0	302	134	670.0	0.0	0.0	2.3	0.00	0.00	0.45	0.00	0.00	0.07
11	0	0	88	80	400.0	0.0	0.0	1.1	0.00	0.00	0.22	0.00	0.00	0.04
12	0	33	33	16	80.0	0.0	2.1	2.1	0.00	0.64	0.64	0.00	0.09	0.09

SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=75

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	11515	0	13045	217	1085.0	53.1	0.0	60.1	10.61	0.00	12.02	0.69	0.00	0.73
10	0	0	0	5	700.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00
11	0	0	0	77	385.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	153	158	23	115.0	0.0	6.7	6.9	0.00	1.33	1.37	0.00	0.21	0.21

BIOYEAR=76

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	25232	0	26717	359	1795.0	70.3	0.0	74.4	14.06	0.00	16.88	0.70	0.00	0.71
12	0	105	105	174	870.0	0.0	0.6	0.6	0.00	0.12	0.12	0.00	0.01	0.01

BIOYEAR=77

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	32656	0	34249	354	1770.0	92.2	0.0	96.7	18.45	0.00	19.35	0.77	0.00	0.78
5	2690	0	2726	45	225.0	59.8	0.0	60.6	11.96	0.00	12.12	0.80	0.00	0.81
10	0	0	0	48	240.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	165	825.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=78

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	1	4	4	64	317.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00
4	7458	0	7926	252	1260.0	29.6	0.0	31.5	5.92	0.00	6.29	0.41	0.00	0.42
5	1864	0	2106	27	135.0	69.0	0.0	78.0	13.81	0.00	15.60	0.76	0.00	0.79
9	483	0	489	87	435.0	5.6	0.0	5.6	1.11	0.00	1.12	0.14	0.00	0.14
10	0	0	549	282	1410.0	0.0	0.0	1.9	0.00	0.00	0.39	0.00	0.00	0.07
11	0	0	17	70	350.0	0.0	0.0	0.2	0.00	0.00	0.05	0.00	0.00	0.02
12	0	166	180	76	380.0	0.0	2.2	2.4	0.00	0.44	0.47	0.00	0.03	0.03

BIOYEAR=79

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	14	0	14	26	130.0	0.5	0.0	0.5	0.11	0.00	0.11	0.04	0.00	0.04
3	606	219	838	32	160.0	18.9	6.8	26.2	3.79	1.37	5.24	0.52	0.30	0.60
4	2836	0	3434	39	194.0	72.7	0.0	88.1	14.56	0.00	17.62	0.82	0.00	0.88
5	1298	0	1403	32	160.0	40.6	0.0	43.8	8.11	0.00	8.77	0.69	0.00	0.71
6	1574	0	1612	32	160.0	49.2	0.0	59.4	9.84	0.00	10.08	0.80	0.00	0.81
7	1661	0	1954	31	155.0	53.6	0.0	59.8	10.72	0.00	11.96	0.60	0.00	0.62
8	4642	0	4833	32	160.0	145.1	0.0	151.0	29.01	0.00	30.21	0.95	0.00	0.96
9	8753	0	8892	37	184.0	236.6	0.0	240.3	47.32	0.00	48.07	0.93	0.00	0.94
10	0	0	261	28	140.0	0.0	0.0	9.3	0.00	0.00	1.86	0.00	0.00	0.24
11	0	0	14	46	230.0	0.0	0.0	0.3	0.00	0.00	0.06	0.00	0.00	0.02
12	0	0	2	42	210.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=80

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	42	47	15	75.0	0.1	2.8	3.1	0.01	0.56	0.63	0.01	0.07	0.08
2	1862	101	1979	34	170.0	54.8	3.0	58.2	10.95	0.59	11.64	0.38	0.10	0.39
3	901	373	1275	35	175.0	25.7	10.7	36.4	5.15	2.13	7.29	0.50	0.32	0.58
4	1187	0	1430	35	175.0	33.9	0.0	40.9	6.78	0.00	8.17	0.31	0.00	0.34
5	387	0	423	34	170.0	11.4	0.0	12.4	2.28	0.00	2.49	0.38	0.00	0.39
6	2292	0	2762	53	265.0	43.2	0.0	52.1	8.45	0.00	10.42	0.68	0.00	0.73
7	960	0	1308	25	125.0	38.4	0.0	52.3	7.68	0.00	10.46	0.75	0.00	0.86
8	16767	0	18383	36	180.0	465.8	0.0	510.6	92.84	0.00	101.79	1.26	0.00	1.29
9	1228	0	1252	49	245.0	25.1	0.0	25.6	5.01	0.00	5.11	0.45	0.00	0.46
10	0	0	55	43	215.0	0.0	0.0	1.3	0.00	0.00	0.26	0.00	0.00	0.06
11	0	0	0	31	152.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=81

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	4	6	17	85.0	0.1	0.2	0.4	0.02	0.05	0.07	0.01	0.02	0.02
2	86	120	206	36	178.0	2.4	3.3	5.7	0.48	0.66	1.14	0.14	0.18	0.26
3	1866	1405	3281	35	175.0	53.3	40.1	93.7	10.66	8.03	18.75	0.54	0.48	0.66
4	7038	0	7366	38	191.0	185.2	0.0	193.8	37.03	0.00	38.76	1.08	0.00	1.09
5	727	0	759	24	120.0	30.3	0.0	31.6	6.06	0.00	6.32	0.59	0.00	0.60
6	2044	0	2674	37	185.0	55.2	0.0	72.3	11.05	0.00	14.45	0.83	0.00	0.91
7	1966	0	2363	38	190.0	51.7	0.0	62.2	10.35	0.00	12.44	0.91	0.00	0.98
8	4551	0	5043	37	182.5	123.0	0.0	136.3	24.78	0.00	27.46	1.22	0.00	1.26
9	7	0	7	47	235.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
10	0	0	0	11	55.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	48	240.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	46	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=82

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	101	127	228	52	260.0	1.9	2.4	4.4	0.39	0.49	0.88	0.08	0.10	0.14
2	299	426	725	37	185.0	8.1	11.5	19.6	1.62	2.30	3.92	0.24	0.29	0.37
3	572	328	905	38	190.0	15.1	8.6	23.8	3.01	1.73	4.76	0.48	0.35	0.61
4	3917	0	4344	38	190.0	103.1	0.0	114.3	20.62	0.00	22.86	0.99	0.00	1.02
5	4966	0	5638	46	230.0	107.5	0.0	122.6	21.50	0.00	24.31	0.84	0.00	0.87
6	2366	0	3036	48	238.0	49.3	0.0	63.2	9.86	0.00	12.65	0.72	0.00	0.79
7	4096	0	4964	48	236.0	85.3	0.0	103.4	17.25	0.00	20.90	0.98	0.00	1.05
8	4443	0	4867	47	235.0	94.5	0.0	103.6	18.91	0.00	20.71	0.93	0.00	0.96
9	5080	0	5444	48	240.0	105.8	0.0	113.4	21.17	0.00	22.68	0.92	0.00	0.94
10	0	0	1277	32	160.0	0.0	0.0	39.9	0.00	0.00	7.98	0.00	0.00	0.31
11	0	0	215	54	270.0	0.0	0.0	4.0	0.00	0.00	0.80	0.00	0.00	0.08
12	0	0	0	14	70.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00



## SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

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## BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	3	3	15	75.0	0.0	0.2	0.2	0.00	0.06	0.06	0.00	0.02	0.02
2	79	689	768	40	200.0	2.0	17.2	19.2	0.39	3.44	3.84	0.11	0.40	0.42
3	198	1726	1930	39	195.0	5.1	44.3	49.5	1.02	8.85	9.90	0.19	0.85	0.69
4	1228	0	1228	39	195.0	31.3	0.0	49.1	6.30	0.00	6.30	0.54	0.00	0.65
5	2599	0	2599	38	186.0	68.4	0.0	78.3	13.78	0.00	15.78	0.92	0.00	0.96
6	2270	0	3015	38	192.0	59.7	0.0	79.3	11.68	0.00	15.51	0.98	0.00	1.09
7	5176	0	5967	65	325.0	79.6	0.0	91.6	15.93	0.00	18.36	0.94	0.00	0.99
8	7123	0	7607	50	250.0	142.5	0.0	152.1	28.49	0.00	30.43	1.11	0.00	1.13
9	7871	0	8169	39	194.0	201.8	0.0	209.5	40.37	0.00	41.89	0.94	0.00	0.94
10	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	108	111	38	190.0	0.0	2.8	2.9	0.00	0.57	0.58	0.00	0.06	0.06

## BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	156	606	762	45	222.5	3.5	13.5	16.9	0.73	2.82	3.55	0.08	0.13	0.14
2	11420	475	11895	50	250.0	228.4	9.5	237.9	45.68	1.90	47.58	0.87	0.22	0.88
3	25439	2126	27982	48	237.5	530.0	44.3	583.0	109.92	9.19	120.90	1.49	0.65	1.52
4	9368	0	9368	47	235.0	199.3	0.0	203.3	39.86	0.00	40.66	1.16	0.00	1.17
5	10099	0	10966	46	230.0	219.5	0.0	238.4	43.91	0.00	47.68	1.23	0.00	1.25
6	7882	0	9046	37	185.0	213.0	0.0	244.5	42.61	0.00	48.90	1.23	0.00	1.28
7	7906	0	8327	49	245.0	161.3	0.0	169.9	32.27	0.00	33.99	1.28	0.00	1.30
8	19356	0	19974	49	245.0	395.0	0.0	407.6	79.00	0.00	81.53	1.44	0.00	1.45
9	78	0	78	12	60.0	6.5	0.0	6.5	1.30	0.00	1.30	0.23	0.00	0.23
10	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	108	111	38	190.0	0.0	2.8	2.9	0.00	0.57	0.58	0.00	0.06	0.06

## BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	156	606	762	45	222.5	3.5	13.5	16.9	0.73	2.82	3.55	0.08	0.13	0.14
2	11420	475	11895	50	250.0	228.4	9.5	237.9	45.68	1.90	47.58	0.87	0.22	0.88
3	25439	2126	27982	48	237.5	530.0	44.3	583.0	109.92	9.19	120.90	1.49	0.65	1.52
4	9368	0	9368	47	235.0	199.3	0.0	203.3	39.86	0.00	40.66	1.16	0.00	1.17
5	10099	0	10966	46	230.0	219.5	0.0	238.4	43.91	0.00	47.68	1.23	0.00	1.25
6	7882	0	9046	37	185.0	213.0	0.0	244.5	42.61	0.00	48.90	1.23	0.00	1.28
7	7906	0	8327	49	245.0	161.3	0.0	169.9	32.27	0.00	33.99	1.28	0.00	1.30
8	19356	0	19974	49	245.0	395.0	0.0	407.6	79.00	0.00	81.53	1.44	0.00	1.45
9	78	0	78	12	60.0	6.5	0.0	6.5	1.30	0.00	1.30	0.23	0.00	0.23
10	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	4	4	26	130.0	0.0	0.2	0.2	0.00	0.03	0.03	0.00	0.01	0.01

## BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	395	102	497	26	130.0	15.2	3.9	19.1	3.04	0.78	3.82	0.19	0.10	0.20
2	151	161	312	35	175.0	4.3	4.6	8.9	0.86	0.92	1.78	0.18	0.20	0.28
3	738	117	1394	12	60.0	61.5	9.8	116.2	12.30	1.95	23.23	0.99	0.41	1.24
4	2694	0	2794	36	185.0	70.9	0.0	73.5	14.18	0.00	14.71	0.79	0.00	0.80
5	305	0	305	22	110.0	10.27	0.0	48.7	7.32	0.00	9.34	0.66	0.00	0.72
6	421	0	557	27	135.0	15.6	0.0	20.6	3.12	0.00	4.13	0.42	0.00	0.48
7	2772	0	3189	45	225.0	61.6	0.0	70.9	12.32	0.00	14.17	0.86	0.00	0.90
10	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	1	24	120.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	48	6	54	24	120.0	2.0	0.2	2.2	0.40	0.05	0.45	0.10	0.02	0.11
2	500	184	687	37	185.0	13.5	5.0	18.6	2.70	0.99	3.71	0.35	0.19	0.41
3	1536	262	2031	35	175.0	43.9	7.5	56.0	8.78	1.50	11.61	0.73	0.30	0.82
4	1707	0	1737	37	185.0	46.1	0.0	46.9	9.23	0.00	9.39	0.73	0.00	0.73
5	963	0	1143	39	194.0	24.7	0.0	29.3	4.93	0.00	5.86	0.54	0.00	0.58
6	3270	0	3671	35	175.0	93.4	0.0	104.9	18.69	0.00	20.98	1.03	0.00	1.07
7	2731	0	3107	37	185.0	73.8	0.0	84.0	14.76	0.00	16.79	0.97	0.00	1.01
8	1324	0	1357	36	180.0	36.8	0.0	37.7	7.36	0.00	7.54	0.53	0.00	0.53
9	993	0	994	23	115.0	43.2	0.0	43.2	8.63	0.00	8.64	0.42	0.00	0.42
10	0	0	107	23	115.0	0.0	0.0	0.0	0.00	0.00	0.93	0.00	0.00	0.16
11	0	0	0	24	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	167	168	24	120.0	0.0	7.0	7.0	0.01	1.39	1.40	0.00	0.11	0.11
2	201	565	766	36	180.0	5.6	15.7	21.3	1.12	3.14	4.26	0.25	0.45	0.53
3	859	109	976	37	185.0	23.2	2.9	26.4	4.64	0.59	5.28	0.40	0.13	0.42
4	1242	0	1284	33	165.0	37.6	0.0	38.9	7.53	0.00	7.78	0.72	0.00	0.73
5	1330	0	2019	34	161.0	33.8	0.0	59.4	15.11	0.00	16.69	0.99	0.00	0.92
6	3528	0	4520	32	160.0	110.2	0.0	141.3	22.05	0.00	28.25	0.47	0.00	0.52
7	1272	0	1638	34	170.0	37.4	0.0	48.2	7.48	0.00	9.64	0.72	0.00	0.79
8	816	0	818	34	170.0	24.0	0.0	24.1	4.80	0.00	4.81	0.48	0.00	0.48

SPOT INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=88

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	2264	853	3206	34	170.0	64.6	25.1	94.3	13.32	5.02	18.86	0.45	0.30	0.50
3	3239	402	4105	34	170.0	95.3	11.8	120.7	19.05	2.36	26.15	0.67	0.30	0.72
4	4653	0	4695	34	170.0	136.9	0.0	136.1	27.37	0.00	27.62	0.78	0.00	0.78
5	6656	0	6847	34	170.0	195.8	0.0	201.4	39.15	0.00	40.28	0.87	0.00	0.88
6	3532	0	3720	34	170.0	103.9	0.0	109.4	20.78	0.00	21.88	0.63	0.00	0.64
7	2955	0	3106	34	170.0	86.9	0.0	91.4	17.38	0.00	18.27	0.65	0.00	0.65
8	15282	0	15453	32	160.0	477.6	0.0	482.9	95.31	0.00	96.58	1.12	0.00	1.13
9	475	0	479	21	105.0	22.4	0.0	22.8	4.52	0.00	4.56	0.41	0.00	0.41
10	0	0	17	25	125.0	0.0	0.0	0.7	0.00	0.00	0.14	0.00	0.00	0.04
11	0	0	389	25	125.0	0.0	0.0	15.6	0.00	0.00	3.11	0.00	0.00	0.28
12	0	216	217	25	125.0	0.0	8.6	8.7	0.00	1.73	3.11	0.00	0.15	0.15

BIOYEAR=89

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	1942	2523	25	125.0	0.0	77.7	100.9	0.00	15.54	20.18	0.00	0.28	0.31
2	147	700	850	34	170.0	4.3	20.6	25.0	0.86	4.12	5.00	0.14	0.28	0.30
3	1336	522	2130	34	170.0	39.3	15.4	62.6	7.86	3.07	12.53	0.47	0.31	0.55
4	2669	0	2833	34	170.0	78.5	0.0	83.3	15.70	0.00	16.66	0.72	0.00	0.73
5	2738	0	2897	34	170.0	80.5	0.0	85.2	16.11	0.00	17.04	0.73	0.00	0.74
6	1293	0	1400	34	170.0	38.0	0.0	41.2	7.61	0.00	8.24	0.51	0.00	0.53
7	1788	0	2002	34	170.0	52.6	0.0	58.9	10.52	0.00	11.78	0.70	0.00	0.73
8	3072	0	3220	34	170.0	90.4	0.0	94.7	18.07	0.00	18.94	0.63	0.00	0.64
9	11	0	11	23	115.0	0.5	0.0	0.5	0.10	0.00	0.10	0.03	0.00	0.03
10	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	2	56	25	125.0	0.0	0.1	2.2	0.00	0.02	0.45	0.00	0.01	0.10

BIOYEAR=90

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	56	16	72	25	125.0	2.2	0.6	2.9	0.45	0.13	0.58	0.12	0.04	0.14
2	575	144	780	34	170.0	16.9	4.2	22.9	3.38	0.85	4.59	0.35	0.17	0.40
3	2801	90	3197	34	170.0	82.4	2.6	94.0	16.48	0.53	18.81	0.64	0.13	0.67
4	2483	0	2577	35	175.0	70.9	0.0	73.6	14.19	0.00	14.73	0.63	0.00	0.63
5	2306	0	2916	34	170.0	67.8	0.0	85.8	13.56	0.00	17.15	0.60	0.00	0.64
6	2884	0	3628	34	170.0	84.8	0.0	106.7	16.96	0.00	21.34	0.71	0.00	0.76
7	2231	0	2966	27	135.0	82.6	0.0	109.9	16.53	0.00	21.97	0.77	0.00	0.84
8	2208	0	2552	34	170.0	64.9	0.0	75.1	12.99	0.00	15.01	0.56	0.00	0.59
9	1444	0	1666	22	110.0	65.6	0.0	75.7	13.13	0.00	15.15	0.29	0.00	0.30

YOY SPOT INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	103	170	21	247.5	4.9	8.1	0.45	0.69	0.13	0.17
56	2147	3265	92	1319.0	23.3	35.5	1.56	2.37	0.23	0.29
57	121	550	66	765.0	1.8	8.3	0.16	0.67	0.05	0.15
58	1204	1898	104	1237.5	11.6	18.3	1.04	1.66	0.16	0.21
59	622	854	83	990.0	7.5	10.3	0.54	0.75	0.12	0.16
60	94	130	38	480.0	2.5	3.4	0.17	0.23	0.05	0.06
61	121	208	52	600.0	2.3	4.0	0.16	0.27	0.04	0.06
62	862	1052	45	525.0	19.2	23.4	1.34	1.64	0.16	0.19
63	351	447	61	690.0	5.8	7.3	0.39	0.50	0.09	0.11
64	751	1052	97	1250.0	7.7	10.8	0.53	0.74	0.11	0.15
65	49	141	132	1751.5	0.4	1.1	0.02	0.07	0.01	0.02
66	2907	3227	134	1717.5	22.1	24.1	1.51	1.65	0.22	0.23
67	59	951	163	2128.0	0.4	5.8	0.02	0.40	0.01	0.09
68	4790	5454	198	2433.0	24.2	27.5	1.92	2.18	0.22	0.24
69	10396	11095	197	2400.5	52.8	56.3	4.02	4.31	0.38	0.40
70	80	1868	196	2355.5	0.4	9.5	0.03	0.67	0.01	0.10
71	19900	22049	508	3972.0	39.2	43.4	4.21	4.79	0.35	0.38
72	4858	6079	450	2850.0	10.8	13.5	2.02	2.39	0.26	0.30
73	15783	18600	511	2725.0	30.9	36.4	5.50	6.30	0.41	0.44
74	2522	4128	88	443.0	28.7	46.9	5.73	9.38	0.35	0.42
75	11515	13045	217	1085.0	53.1	60.1	10.61	12.02	0.69	0.73
76	25232	26717	359	1795.0	70.3	74.4	14.06	14.86	0.70	0.71
77	35346	36975	399	1995.0	88.6	92.7	17.72	18.53	0.77	0.78
78	9806	10525	430	2147.0	22.8	24.5	4.56	4.90	0.32	0.33
79	21384	22880	261	1303.0	81.9	87.7	16.39	17.54	0.69	0.72
80	23585	28859	316	1580.0	81.0	91.3	16.16	18.23	0.56	0.60
81	18287	21705	309	1541.5	59.2	70.2	11.86	14.07	0.62	0.67
82	25820	30151	402	2004.0	64.2	75.0	12.87	15.03	0.69	0.75
83	26544	32350	363	1812.0	73.1	89.1	16.61	17.80	0.71	0.84
84	91704	98586	383	1910.0	239.4	257.4	48.38	52.04	1.07	1.10
85	7976	9770	205	1024.0	38.9	47.7	7.78	9.53	0.57	0.63
86	13072	14781	303	1516.0	43.1	48.8	8.63	9.76	0.63	0.66
87	9749	12189	264	1311.0	36.9	46.2	7.94	9.85	0.51	0.58
88	39056	41611	237	1285.0	152.0	161.9	30.39	32.30	0.71	0.73
89	13054	17866	286	1430.0	45.6	62.5	9.13	12.49	0.46	0.53
90	16988	20354	279	1395.0	60.9	73.0	12.18	14.59	0.53	0.57

AGE 1+ SPOT INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 1	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 1 / HAUL	TOT NUM / HAUL	NUM AGE 1 / MINUTE	TOT NUM / MINUTE	NUM AGE 1 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	0	1	30.0	0.0	0.0	0.00	0.00	0.00	0.00
55	12	18	7	120.0	1.7	2.6	0.09	0.13	0.03	0.05
56	338	527	34	445.0	9.9	15.5	0.66	1.03	0.06	0.07
57	260	261	22	255.0	11.8	11.9	0.94	0.94	0.16	0.16
58	353	536	36	442.5	9.8	15.4	0.93	1.47	0.10	0.12
59	144	230	24	292.5	6.1	9.6	0.43	0.74	0.10	0.16
60	5	6	21	270.0	0.2	0.3	0.02	0.02	0.01	0.01
61	3	5	22	262.5	0.1	0.2	0.01	0.02	0.01	0.01
62	13	62	24	270.0	0.5	2.6	0.05	0.28	0.02	0.06
63	1	1	27	315.0	0.0	0.0	0.00	0.00	0.00	0.00
64	31	116	46	582.5	0.7	2.5	0.05	0.19	0.02	0.05
65	24	26	61	814.5	0.4	0.4	0.03	0.03	0.01	0.01
66	44	921	69	937.5	0.7	13.3	0.04	0.89	0.01	0.09
67	565	565	63	807.0	9.0	9.0	0.61	0.61	0.12	0.12
68	1	137	85	1094.5	0.0	1.6	0.00	0.12	0.00	0.03
69	201	796	87	1050.0	2.3	9.1	0.23	0.99	0.05	0.09
70	1194	1199	88	1056.5	13.6	13.6	0.91	0.92	0.09	0.09
71	837	1247	167	1542.0	4.5	6.7	0.89	1.33	0.09	0.11
72	736	891	135	1195.0	5.5	6.6	0.60	0.71	0.11	0.13
73	4697	14674	298	1660.0	15.8	49.2	2.64	8.16	0.22	0.41
74	33	33	16	80.0	2.1	2.1	0.64	0.64	0.09	0.09
75	153	158	23	115.0	6.7	6.9	1.33	1.37	0.21	0.21
76	105	105	174	870.0	0.6	0.6	0.12	0.12	0.01	0.01
77	0	0	47	235.0	0.0	0.0	0.00	0.00	0.00	0.00
78	170	184	140	697.0	1.2	1.3	0.24	0.26	0.02	0.02
79	219	854	100	500.0	2.2	8.5	0.44	1.71	0.10	0.20
80	516	3301	119	595.0	4.3	27.7	0.87	5.55	0.13	0.29
81	1529	3493	134	668.0	11.4	26.1	2.28	5.21	0.18	0.25
82	881	1858	141	705.0	6.2	13.2	1.25	2.64	0.20	0.31
83	2526	2812	132	660.0	19.1	21.3	3.83	4.26	0.33	0.35
84	3211	40643	169	840.0	19.0	240.5	3.93	49.37	0.29	0.73
85	380	2203	98	490.0	3.9	22.5	0.78	4.50	0.15	0.31
86	452	2772	119	595.0	3.8	23.3	0.76	4.66	0.15	0.39
87	841	1910	97	485.0	8.7	19.7	1.73	3.94	0.25	0.38
88	1471	7528	93	465.0	15.8	80.9	3.16	16.19	0.26	0.49
89	3166	5559	118	590.0	26.8	47.1	5.37	9.42	0.23	0.33
90	250	4049	93	465.0	2.7	43.5	0.54	6.71	0.12	0.43

Table 9

WEAKFISH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
8	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
9	0	0	0	1	30.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
10	0	0	3	3	45.0	0.0	0.0	1.0	0.00	0.00	0.07	0.00	0.00	0.03	
12	0	0	92	4	75.0	0.0	0.0	23.0	0.00	0.00	1.53	0.00	0.00	0.33	

BIOYEAR=55															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	51	20	71	11	82.5	4.6	1.8	6.5	0.62	0.24	0.86	0.19	0.09	0.24	
3	75	43	118	3	45.0	25.0	14.3	39.3	1.67	0.96	2.62	0.61	0.28	0.54	
10	0	0	0	11	137.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	114	114	12	180.0	0.0	9.5	9.5	0.00	0.63	0.63	0.00	0.16	0.16	

BIOYEAR=56															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	94	37	131	12	180.0	7.8	3.1	10.9	0.52	0.21	0.73	0.14	0.07	0.18	
2	328	151	479	12	180.0	27.3	12.6	39.9	1.62	0.84	2.46	0.28	0.18	0.35	
3	668	367	1035	12	180.0	55.7	32.2	87.9	3.71	2.15	5.86	0.65	0.34	0.56	
4	119	24	143	11	165.0	10.8	2.2	13.0	0.72	0.15	0.87	0.18	0.05	0.20	
5	12	3	15	11	154.0	1.1	0.3	1.4	0.07	0.02	0.09	0.03	0.01	0.03	
6	0	0	0	11	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
7	0	0	0	7	105.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
8	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
9	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	62	64	11	127.5	0.0	5.6	5.6	0.00	0.41	0.42	0.00	0.13	0.13	

BIOYEAR=57															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
2	584	0	617	11	127.5	53.1	0.0	56.1	4.46	0.00	4.72	0.62	0.00	0.63	
3	307	0	322	11	127.5	27.9	0.0	29.3	2.56	0.00	2.69	0.44	0.00	0.45	
4	155	0	216	11	127.5	14.1	0.0	19.6	1.16	0.00	1.62	0.22	0.00	0.27	
5	0	0	30	11	127.5	0.0	0.0	2.7	0.00	0.00	0.19	0.00	0.00	0.05	
6	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
7	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
8	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
9	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
10	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	6	6	14	172.5	0.0	0.4	0.4	0.00	0.03	0.03	0.00	0.01	0.01	
12	0	26	26	11	135.0	0.0	2.4	2.4	0.00	0.16	0.16	0.00	0.05	0.05	

BIOYEAR=58															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	22	7	29	11	127.5	2.0	0.6	2.6	0.17	0.06	0.23	0.06	0.02	0.07	
2	42	20	62	12	142.5	3.5	1.7	5.2	0.27	0.13	0.41	0.09	0.05	0.13	
3	201	114	315	11	127.5	18.3	10.4	28.6	2.29	1.30	3.59	0.29	0.21	0.35	
4	22	4	26	11	127.5	2.0	0.4	2.4	0.15	0.03	0.18	0.04	0.01	0.07	
5	19	3	22	11	127.5	1.7	0.3	2.0	0.12	0.02	0.13	0.04	0.01	0.04	
6	1	0	1	12	142.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00	
10	0	0	0	10	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	11	16	3	45.0	0.0	3.7	3.7	0.00	0.24	0.35	0.00	0.09	0.12	
12	0	48	48	11	127.5	0.0	4.4	4.4	0.00	0.30	0.30	0.00	0.10	0.10	

BIOYEAR=59															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	28	210	238	15	187.5	1.9	14.0	15.9	0.12	0.93	1.06	0.04	0.17	0.19	
2	44	0	49	11	127.5	4.2	0.0	4.5	0.51	0.00	0.55	0.11	0.00	0.12	
3	354	0	357	11	127.5	32.2	0.0	32.5	2.84	0.00	2.86	0.41	0.00	0.41	
4	192	0	201	11	127.5	17.5	0.0	18.3	1.21	0.00	1.27	0.28	0.00	0.29	
5	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	3	3	11	135.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01	
12	0	3	3	10	135.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01	

BIOYEAR=60															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	60	22	82	9	112.5	6.7	2.4	9.1	0.48	0.18	0.66	0.13	0.06	0.16	
2	112	52	164	8	97.5	14.0	6.5	20.5	1.09	0.51	1.60	0.26	0.15	0.32	
7	0	0	0	6	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
10	0	1	1	4	60.0	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01	
11	0	41	42	6	67.5	0.0	6.8	7.0	0.00	0.44	0.47	0.00	0.13	0.13	
12	0	54	72	6	67.5	0.0	9.0	12.0	0.00	0.61	0.81	0.00	0.17	0.20	

BIOYEAR=61															
BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED	
1	1	24	25	6	67.5	0.2	4.0	4.2	0.01	0.27	0.28	0.00	0.08	0.08	
2	39	0	135	6	67.5	6.5	0.0	22.5	0.56	0.00	1.91	0.16	0.00	0.35	
3	93	0	100	6	67.5	15.5	0.0	16.7	1.97	0.00	2.11	0.28	0.00	0.29	
4	36	0	36	6	67.5	6.0	0.0	6.0	0.44	0.00	0.44	0.14	0.00	0.14	
5	12	0	12	6	67.5	2.0	0.0	2.0	0.17	0.00	0.17	0.04	0.00	0.06	
6	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
7	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
10	0	0	0	5	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	
11	0	3	3	3	67.5	0.0	0.3	0.5	0.00	0.03	0.03	0.00	0.01	0.01	
12	0	3	3	6	67.5	0.0	0.5	0.5	0.00	0.03	0.03	0.00	0.01	0.01	

WEAFISH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	3	2	5	6	67.5	0.5	0.3	0.8	0.06	0.03	0.09	0.02	0.01	0.03
2	81	0	81	6	67.5	13.5	0.0	13.5	1.10	0.00	1.10	0.25	0.00	0.25
3	113	0	114	3	37.5	37.7	0.0	38.0	3.06	0.00	3.09	0.57	0.00	0.57
4	16	0	16	3	45.0	5.3	0.0	5.3	0.35	0.00	0.35	0.11	0.00	0.11
5	2	0	2	5	60.0	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
6	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	4	52.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	20	23	6	67.5	0.0	3.3	3.8	0.00	0.23	0.27	0.00	0.07	0.08
12	0	9	9	7	82.5	0.0	1.3	1.3	0.00	0.09	0.09	0.00	0.03	0.03

BIOYEAR=63

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	61	11	72	7	82.5	8.7	1.6	10.3	0.92	0.16	1.08	0.19	0.06	0.21
2	46	0	54	7	82.5	6.6	0.0	7.7	0.70	0.00	0.81	0.16	0.00	0.18
3	150	0	177	7	82.5	21.4	0.0	25.3	1.73	0.00	2.05	0.37	0.00	0.41
4	63	13	76	7	82.5	9.0	1.9	10.9	0.61	0.13	0.73	0.18	0.05	0.20
5	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	18	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	54	55	7	82.5	0.0	7.7	7.9	0.00	0.52	0.53	0.00	0.14	0.14
12	0	227	271	15	200.0	0.0	15.1	16.1	0.00	1.01	1.20	0.00	0.23	0.26

BIOYEAR=64

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	36	113	149	14	187.5	2.6	8.1	10.6	0.17	0.54	0.71	0.06	0.16	0.20
2	2	0	74	12	157.5	0.2	0.0	6.2	0.01	0.00	0.41	0.00	0.00	0.12
3	408	0	500	12	157.5	34.0	0.0	41.7	2.41	0.00	2.95	0.42	0.00	0.47
4	163	0	174	12	157.5	13.6	0.0	14.5	0.96	0.00	1.01	0.24	0.00	0.25
5	67	0	67	7	82.5	9.6	0.0	9.6	0.64	0.00	0.64	0.12	0.00	0.12
6	0	0	0	11	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	20	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	17	217.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	1	14	184.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
11	0	250	268	13	172.5	0.0	19.2	20.6	0.00	1.29	1.38	0.00	0.21	0.22
12	0	59	173	12	157.5	0.0	4.9	14.4	0.00	0.33	0.96	0.00	0.10	0.20

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	30	68	98	13	149.5	2.3	5.2	7.5	0.20	0.44	0.63	0.07	0.13	0.17
2	224	0	303	19	262.5	11.8	0.0	15.9	0.79	0.00	1.07	0.17	0.00	0.20
3	450	0	500	14	210.0	32.1	0.0	35.7	2.14	0.00	2.38	0.39	0.00	0.42
4	176	0	182	15	195.0	11.7	0.0	12.1	0.85	0.00	0.88	0.20	0.00	0.20
5	0	0	0	11	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	2	0	2	21	262.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
7	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	53	53	15	202.5	0.0	3.5	3.5	0.00	0.24	0.24	0.00	0.06	0.06
12	0	26	40	15	210.0	0.0	1.7	2.7	0.00	0.12	0.18	0.00	0.04	0.06

BIOYEAR=66

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	17	18	14	180.0	0.1	1.2	1.3	0.01	0.08	0.09	0.00	0.03	0.03
2	25	0	47	20	240.0	1.3	0.0	2.3	0.08	0.00	0.16	0.03	0.00	0.05
3	409	0	420	11	120.0	37.2	0.0	38.2	2.64	0.00	2.70	0.39	0.00	0.39
4	320	0	332	16	210.0	20.0	0.0	20.8	1.44	0.00	1.50	0.31	0.00	0.31
5	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	15	197.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	345.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	574	602	15	195.0	0.0	38.3	40.1	0.00	2.60	2.73	0.00	0.32	0.33
12	0	404	530	19	247.5	0.0	21.3	27.9	0.00	1.43	1.88	0.00	0.26	0.30

BIOYEAR=67

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	102	226	328	19	254.0	5.4	11.9	17.3	0.36	0.80	1.16	0.11	0.20	0.25
2	80	0	299	19	255.0	4.2	0.0	15.7	0.29	0.00	1.08	0.09	0.00	0.21
3	53	0	116	19	255.0	2.8	0.0	6.1	0.22	0.00	0.49	0.08	0.00	0.15
4	48	0	49	19	249.0	2.5	0.0	2.6	0.20	0.00	0.21	0.07	0.00	0.07
5	6	0	6	19	247.5	0.3	0.0	0.4	0.02	0.00	0.03	0.01	0.00	0.01
6	0	0	0	19	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	12	176.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	14	169.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	4	21	265.0	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.01
11	0	98	109	21	277.5	0.0	4.7	5.2	0.00	0.31	0.35	0.00	0.10	0.11
12	0	63	127	21	270.0	0.0	4.0	6.0	0.00	0.27	0.41	0.00	0.08	0.11

WEAKFISH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=68

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	43	204	247	19	240.0	2.3	10.7	13.0	0.16	0.76	0.92	0.05	0.17	0.19
2	89	0	132	29	294.0	3.1	0.0	4.6	0.23	0.00	0.34	0.06	0.00	0.10
3	328	0	390	21	261.5	15.6	0.0	18.4	1.49	0.00	1.78	0.26	0.00	0.28
4	444	0	475	21	270.0	21.1	0.0	22.4	1.97	0.00	1.79	0.27	0.00	0.28
5	358	0	358	21	270.0	17.0	0.0	17.0	1.14	0.00	1.14	0.06	0.00	0.08
6	3	0	3	24	285.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
7	0	0	0	21	272.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	21	267.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	282.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	285.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	48	48	22	270.0	0.0	2.2	2.2	0.00	0.16	0.16	0.00	0.06	0.06
12	0	198	229	22	257.5	0.0	9.0	10.4	0.00	0.73	0.84	0.00	0.19	0.21

BIOYEAR=69

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	16	78	94	22	277.5	0.7	3.5	4.3	0.05	0.25	0.30	0.02	0.08	0.09
2	68	0	124	21	250.0	3.2	0.0	5.9	0.25	0.00	0.45	0.07	0.00	0.10
3	273	0	292	22	266.0	12.4	0.0	13.3	1.07	0.00	1.14	0.26	0.00	0.25
4	689	0	740	22	253.5	31.3	0.0	33.6	2.30	0.00	2.46	0.35	0.00	0.36
5	98	0	105	22	271.0	4.5	0.0	4.8	0.34	0.00	0.34	0.06	0.00	0.08
6	1	0	1	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	15	186.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	22	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	21	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	5	22	262.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.01
11	0	357	358	22	264.0	0.0	16.2	16.3	0.00	1.12	1.12	0.00	0.19	0.19
12	0	231	290	22	260.0	0.0	10.5	13.2	0.00	0.75	0.95	0.00	0.18	0.20

BIOYEAR=70

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	482	779	1261	22	270.0	21.9	35.4	57.3	1.71	2.77	4.48	0.33	0.43	0.53
2	208	0	351	22	270.0	9.5	0.0	16.0	0.69	0.00	1.16	0.17	0.00	0.24
3	680	0	942	22	260.0	30.9	0.0	42.8	2.63	0.00	3.65	0.43	0.00	0.51
4	1467	0	1743	21	255.0	69.9	0.0	83.0	5.36	0.00	6.56	0.58	0.00	0.62
5	148	0	203	22	259.0	6.7	0.0	9.2	0.30	0.00	0.68	0.13	0.00	0.17
6	5	0	5	21	255.0	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
7	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	16	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	44	375.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	68	68	22	270.0	0.0	3.0	3.1	0.00	0.23	0.24	0.00	0.07	0.07
12	0	164	167	61	455.0	0.0	2.7	2.7	0.00	0.19	0.19	0.00	0.04	0.04

BIOYEAR=71

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	226	102	328	81	562.0	2.8	1.3	4.0	0.43	0.20	0.62	0.08	0.05	0.11
2	664	0	753	60	460.0	11.1	0.0	12.6	1.54	0.00	1.74	0.26	0.00	0.27
3	1482	0	1734	60	480.0	24.4	0.0	28.9	3.58	0.00	4.25	0.37	0.00	0.40
4	318	0	391	60	475.0	5.3	0.0	6.5	0.50	0.00	0.98	0.17	0.00	0.19
5	385	0	440	60	462.5	6.1	0.0	7.3	0.66	0.00	0.79	0.14	0.00	0.16
6	4	0	4	60	452.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
7	0	0	14	60	400.0	0.0	0.0	0.2	0.00	0.00	0.03	0.00	0.00	0.01
8	0	0	0	60	450.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	60	442.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	5	35	327.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.01
11	0	24	24	35	335.0	0.0	0.7	0.7	0.00	0.09	0.09	0.00	0.03	0.03
12	0	55	76	54	477.5	0.0	1.0	1.4	0.00	0.10	0.14	0.00	0.04	0.05

BIOYEAR=72

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	210	13	223	54	292.5	3.9	0.2	4.1	0.76	0.05	0.81	0.17	0.02	0.18
2	216	0	273	66	307.5	3.3	0.0	3.7	0.56	0.00	0.62	0.15	0.00	0.16
3	37	0	37	18	90.0	2.1	0.0	2.1	0.41	0.00	0.41	0.14	0.00	0.14
4	422	0	427	86	430.0	4.9	0.0	5.0	0.98	0.00	0.99	0.17	0.00	0.17
5	123	0	123	57	285.0	2.2	0.0	2.2	0.43	0.00	0.43	0.08	0.00	0.08
6	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	44	220.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	11	35.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	16	16	71	355.0	0.0	0.2	0.2	0.00	0.05	0.05	0.00	0.02	0.02
12	0	201	208	105	695.0	0.0	1.9	2.0	0.00	0.22	0.23	0.00	0.06	0.06

BIOYEAR=73

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	6	6	65	325.0	0.0	0.1	0.1	0.00	0.02	0.02	0.00	0.01	0.01
2	118	0	119	65	325.0	1.8	0.0	1.8	0.36	0.00	0.37	0.09	0.00	0.09
3	56	0	56	18	90.0	3.1	0.0	3.1	1.42	0.00	1.42	0.22	0.00	0.22
4	73	0	73	79	395.0	0.9	0.0	0.9	0.18	0.00	0.18	0.06	0.00	0.06
7	0	0	0	74	370.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	125	625.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	75	375.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=74

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	12	12	50	253.0	0.0	0.2	0.2	0.00	0.05	0.05	0.00	0.02	0.02
2	56	0	56	25	125.0	2.2	0.0	2.2	0.45	0.00	0.45	0.10	0.00	0.10
3	41	0	41	13	65.0	3.2	0.0	3.2	0.63	0.00	0.63	0.14	0.00	0.14
7	0	0	0	134	670.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	80	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	16	80.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00





WEAKFISH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=83

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	26	187	211	39	195.0	0.6	4.8	5.4	0.12	0.96	1.08	0.04	0.20	0.21
2	1010	0	1077	38	186.0	26.6	0.0	26.3	5.51	0.00	5.88	0.59	0.00	0.61
3	3309	0	3708	38	192.0	87.1	0.0	97.6	17.26	0.00	19.31	0.90	0.00	0.93
4	3534	0	3732	65	325.0	54.4	0.0	57.4	10.87	0.00	11.48	0.84	0.00	0.86
5	356	0	582	50	250.0	17.1	0.0	17.6	3.42	0.00	3.53	0.36	0.00	0.36
6	678	0	683	39	194.0	17.4	0.0	17.5	3.48	0.00	3.50	0.27	0.00	0.27
7	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	45	222.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	58	61	50	250.0	0.0	1.2	1.2	0.00	0.23	0.23	0.00	0.05	0.06
12	0	91	109	48	237.3	0.0	1.9	2.3	0.00	0.38	0.45	0.00	0.10	0.12

BIOYEAR=84

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	104	118	47	235.0	0.3	2.2	2.5	0.06	0.44	0.50	0.02	0.13	0.14
2	282	0	422	46	230.0	6.1	0.0	9.2	1.23	0.00	1.83	0.26	0.00	0.33
3	3167	0	3370	37	185.0	85.6	0.0	91.1	17.12	0.00	18.22	0.96	0.00	0.98
4	1200	0	1286	49	245.0	24.5	0.0	24.2	4.90	0.00	5.25	0.61	0.00	0.63
5	446	0	451	49	245.0	9.1	0.0	9.2	1.82	0.00	1.84	0.25	0.00	0.25
6	0	0	0	12	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	19	95.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	45	222.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	58	61	50	250.0	0.0	1.2	1.2	0.00	0.23	0.23	0.00	0.05	0.06
12	0	91	109	48	237.3	0.0	1.9	2.3	0.00	0.38	0.45	0.00	0.10	0.12

BIOYEAR=84

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	104	118	47	235.0	0.3	2.2	2.5	0.06	0.44	0.50	0.02	0.13	0.14
2	282	0	422	46	230.0	6.1	0.0	9.2	1.23	0.00	1.83	0.26	0.00	0.33
3	3167	0	3370	37	185.0	85.6	0.0	91.1	17.12	0.00	18.22	0.96	0.00	0.98
4	1200	0	1286	49	245.0	24.5	0.0	24.2	4.90	0.00	5.25	0.61	0.00	0.63
5	446	0	451	49	245.0	9.1	0.0	9.2	1.82	0.00	1.84	0.25	0.00	0.25
6	0	0	0	12	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	2	36	180.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
8	0	0	0	26	131.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	26	130.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	2	36	130.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
11	0	36	37	35	175.0	0.0	1.0	1.1	0.00	0.21	0.21	0.00	0.07	0.07
12	0	30	74	12	60.0	0.0	2.5	6.2	0.00	0.50	1.23	0.00	0.14	0.25

BIOYEAR=85

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	299	28	327	38	189.0	7.9	0.7	8.6	1.57	0.15	1.72	0.25	0.05	0.26
2	1932	0	2024	22	110.0	87.6	0.0	92.0	17.56	0.00	18.40	0.93	0.00	0.94
3	1326	0	1363	27	135.0	49.1	0.0	50.5	9.82	0.00	10.10	0.84	0.00	0.85
4	3226	0	3432	45	225.0	71.7	0.0	76.3	14.34	0.00	15.25	0.97	0.00	0.99
5	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	24	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	2	120.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	2	24	120.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
11	0	503	504	37	185.0	0.0	13.6	13.6	0.00	2.72	2.72	0.00	0.43	0.43
12	0	501	520	35	175.0	0.0	14.3	14.9	0.00	2.86	2.97	0.00	0.44	0.44

BIOYEAR=86

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	231	111	342	37	185.0	6.2	3.0	9.2	1.25	0.60	1.85	0.27	0.16	0.35
2	3196	0	3275	39	196.0	81.9	0.0	84.0	16.36	0.00	16.77	0.91	0.00	0.92
3	322	0	746	35	175.0	9.2	0.0	21.3	1.84	0.00	4.26	0.34	0.00	0.33
4	21	0	182	37	185.0	0.6	0.0	4.9	0.11	0.00	0.98	0.04	0.00	0.21
5	49	0	55	36	180.0	1.4	0.0	1.5	0.27	0.00	0.31	0.07	0.00	0.07
6	9	0	10	23	115.0	0.4	0.0	0.4	0.08	0.00	0.09	0.03	0.00	0.03
7	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	24	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	2	24	120.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
11	0	203	207	36	180.0	0.0	5.6	5.7	0.00	1.13	1.15	0.00	0.21	0.21
12	0	37	38	37	185.0	0.0	1.0	1.0	0.00	0.20	0.21	0.00	0.07	0.07

BIOYEAR=87

BIMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	409	73	482	33	165.0	12.4	2.2	14.6	2.48	0.44	2.92	0.35	0.12	0.38
2	2479	0	2512	34	161.0	72.9	0.0	73.9	24.22	0.00	24.57	1.13	0.00	1.13
3	922	0	1016	32	160.0	28.8	0.0	31.8	5.76	0.00	6.35	0.61	0.00	0.64
4	740	0	850	34	170.0	21.8	0.0	25.0	4.35	0.00	5.00	0.37	0.00	0.61
5	222	0	229	34	170.0	6.5	0.0	6.7	1.31	0.00	1.35	0.24	0.00	0.25
11	0	70	70	34	170.0	0.0	2.1	2.1	0.00	0.41	0.41	0.00	0.10	0.10
12	0	23	23	34	170.0	0.0	0.7	0.7	0.00	0.14	0.14	0.00	0.04	0.04

WEAKFISH INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=88

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	250	21	271	34	170.0	7.4	0.6	8.0	1.47	0.12	1.59	0.22	0.04	0.23
2	3594	0	3599	34	170.0	105.7	0.0	107.6	21.14	0.00	21.52	0.72	0.00	0.72
3	3914	0	4062	34	170.0	115.1	0.0	119.5	23.02	0.00	23.89	0.70	0.00	0.70
4	1541	0	1572	34	170.0	45.3	0.0	46.2	9.06	0.00	9.25	0.47	0.00	0.47
5	292	0	292	32	160.0	9.1	0.0	9.1	1.83	0.00	1.83	0.21	0.00	0.21
6	7	0	7	21	105.0	0.3	0.0	0.3	0.07	0.00	0.07	0.02	0.00	0.02
7	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	16	16	34	170.0	0.0	0.5	0.5	0.00	0.09	0.09	0.00	0.03	0.03
12	0	16	16	34	170.0	0.0	0.5	0.5	0.00	0.09	0.09	0.00	0.03	0.03

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	38	8	46	34	170.0	1.1	0.2	1.4	0.22	0.05	0.27	0.06	0.02	0.06
2	1228	0	1249	34	170.0	36.1	0.0	36.7	7.22	0.00	7.35	0.56	0.00	0.56
3	1454	0	1472	34	170.0	42.8	0.0	43.3	8.55	0.00	8.66	0.55	0.00	0.56
4	3117	0	3210	34	170.0	91.7	0.0	94.4	18.34	0.00	18.68	0.67	0.00	0.67
5	189	0	189	34	170.0	5.6	0.0	5.6	1.11	0.00	1.11	0.15	0.00	0.15
6	0	0	0	23	115.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	2	25	125.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
11	0	52	52	34	170.0	0.0	1.5	1.5	0.00	0.31	0.31	0.00	0.08	0.08
12	0	85	97	34	170.0	0.0	2.5	2.9	0.00	0.50	0.57	0.00	0.12	0.13

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	362	60	422	35	175.0	10.3	1.7	12.1	2.07	0.34	2.41	0.27	0.09	0.29
2	2510	0	2545	34	170.0	73.8	0.0	75.4	14.76	0.00	15.09	0.65	0.00	0.65
3	2453	0	2544	34	170.0	72.1	0.0	74.9	14.43	0.00	14.98	0.68	0.00	0.69
4	1729	0	1866	27	135.0	64.0	0.0	69.1	12.81	0.00	13.82	0.62	0.00	0.63
5	198	0	200	34	170.0	5.8	0.0	5.9	1.16	0.00	1.18	0.20	0.00	0.20
6	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

YOY WEAFISH INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	126	169	14	127.5	9.0	13.5	0.84	1.24	0.26	0.30
56	1221	1823	69	1001.5	17.7	26.4	1.18	1.76	0.19	0.23
57	1046	1185	55	637.5	19.0	21.5	1.64	1.84	0.26	0.28
58	307	455	68	795.0	4.5	6.7	0.49	0.74	0.09	0.11
59	620	845	59	697.5	10.5	14.3	0.88	1.14	0.16	0.20
60	172	246	17	210.0	10.1	14.5	0.77	1.10	0.19	0.24
61	181	308	36	405.0	5.0	8.6	0.52	0.82	0.11	0.15
62	215	218	28	337.5	7.7	7.8	0.62	0.63	0.13	0.14
63	320	379	41	457.5	7.8	9.2	0.68	0.80	0.15	0.17
64	676	964	68	885.0	9.9	14.2	0.69	0.98	0.14	0.20
65	882	1085	93	1237.0	9.5	11.7	0.65	0.81	0.14	0.16
66	755	817	90	1125.0	8.4	9.1	0.60	0.64	0.11	0.12
67	289	800	114	1490.5	2.5	7.0	0.18	0.49	0.06	0.12
68	1265	1605	135	1620.5	9.4	11.9	0.74	0.94	0.12	0.15
69	1145	1556	131	1586.0	8.7	10.4	0.67	0.79	0.13	0.15
70	2990	4505	130	1549.0	23.0	34.7	1.83	2.74	0.27	0.35
71	3039	3650	381	2872.0	8.0	9.6	1.13	1.36	0.17	0.18
72	1008	1057	326	1710.0	3.1	3.2	0.59	0.62	0.12	0.13
73	753	760	288	1440.0	2.6	2.6	0.52	0.53	0.10	0.10
74	97	109	88	443.0	1.1	1.2	0.22	0.25	0.05	0.06
75	14	239	217	1085.0	0.1	1.1	0.01	0.22	0.00	0.06
76	732	1016	359	1795.0	2.0	2.8	0.41	0.57	0.07	0.09
77	509	572	399	1995.0	1.3	1.4	0.26	0.29	0.06	0.07
78	1671	1749	366	1830.0	4.6	4.8	0.91	0.96	0.15	0.16
79	5441	5948	203	1013.0	26.8	29.3	5.36	5.86	0.34	0.40
80	5029	5218	232	1160.0	21.7	22.5	4.31	4.47	0.60	0.42
81	2613	3267	221	1103.5	11.8	14.6	2.36	2.96	0.29	0.34
82	6051	6847	275	1369.0	22.0	24.9	4.61	4.99	0.43	0.44
83	9411	10293	269	1342.0	35.0	38.3	7.00	7.65	0.53	0.56
84	5109	5647	240	1200.0	21.3	23.5	4.26	4.71	0.36	0.42
85	6783	7146	132	659.0	51.4	54.1	10.28	10.83	0.73	0.74
86	3828	4610	207	1036.0	18.5	22.3	3.69	4.45	0.30	0.38
87	4772	5089	167	826.0	28.6	30.5	7.68	8.09	0.58	0.60
88	9598	9863	189	945.0	50.8	52.2	10.16	10.44	0.42	0.42
89	6026	6166	193	985.0	31.2	31.9	6.24	6.39	0.35	0.35
90	7252	7599	186	930.0	39.0	40.9	7.80	8.17	0.42	0.43

AGE 1+ WEAKFISH INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 1	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 1 / HAUL	TOT NUM / HAUL	NUM AGE 1 / MINUTE	TOT NUM / MINUTE	NUM AGE 1 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	92	4	75.0	0.0	23.0	0.00	1.53	0.00	0.33
55	134	185	23	262.5	5.8	8.0	0.45	0.74	0.13	0.20
56	99	195	23	307.5	4.3	8.5	0.30	0.58	0.10	0.16
57	32	32	25	307.5	1.3	1.3	0.09	0.09	0.03	0.03
58	66	93	25	300.0	2.6	3.7	0.19	0.27	0.07	0.09
59	216	244	36	457.5	6.0	6.8	0.40	0.45	0.08	0.08
60	117	196	21	247.5	5.6	9.3	0.38	0.65	0.11	0.16
61	30	31	18	202.5	1.7	1.7	0.11	0.11	0.03	0.04
62	31	37	19	217.5	1.6	1.9	0.12	0.14	0.04	0.05
63	292	396	29	365.0	10.1	13.7	0.69	1.01	0.17	0.22
64	422	590	39	517.5	10.8	15.1	0.72	1.01	0.16	0.20
65	147	191	43	562.0	3.4	4.4	0.25	0.34	0.08	0.10
66	995	1150	48	622.5	20.7	26.0	1.40	1.62	0.21	0.23
67	407	564	61	801.5	6.7	9.2	0.45	0.62	0.12	0.15
68	450	524	63	767.5	7.1	8.3	0.54	0.63	0.14	0.15
69	666	742	66	801.5	10.1	11.2	0.71	0.79	0.15	0.16
70	1009	1496	105	995.0	9.6	14.2	0.74	1.10	0.13	0.15
71	181	428	170	1374.5	1.1	2.5	0.14	0.36	0.04	0.07
72	230	447	230	1342.5	1.0	1.9	0.13	0.31	0.04	0.08
73	6	6	65	325.0	0.1	0.1	0.02	0.02	0.01	0.01
74	12	12	50	253.0	0.2	0.2	0.05	0.05	0.02	0.02
75	225	239	217	1085.0	1.0	1.1	0.21	0.22	0.05	0.06
76	284	1016	359	1795.0	0.8	2.8	0.16	0.57	0.04	0.09
77	43	561	418	2087.0	0.2	1.3	0.03	0.27	0.01	0.06
78	142	1318	310	1550.0	0.5	4.3	0.09	0.85	0.03	0.16
79	364	448	108	539.0	3.4	4.1	0.67	0.83	0.15	0.17
80	171	246	106	528.0	1.6	2.3	0.32	0.46	0.10	0.13
81	561	685	113	566.0	5.0	6.1	0.99	1.21	0.21	0.24
82	677	1101	117	585.0	5.8	9.4	1.16	1.88	0.23	0.28
83	336	381	137	682.5	2.5	2.8	0.49	0.56	0.11	0.12
84	170	229	94	470.0	1.8	2.4	0.36	0.49	0.11	0.13
85	1032	1351	110	549.0	9.4	12.3	1.88	2.44	0.30	0.38
86	351	587	110	590.0	3.2	5.3	0.64	1.07	0.15	0.21
87	166	575	101	505.0	1.6	5.7	0.33	1.14	0.09	0.17
88	53	303	102	510.0	0.5	3.0	0.10	0.59	0.03	0.10
89	145	195	102	510.0	1.4	1.9	0.28	0.38	0.07	0.09
90	60	422	35	175.0	1.7	12.1	0.34	2.41	0.09	0.29

Table 10

ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=54														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
3	0	0	126	3	45.0	0.0	0.0	42.0	0.00	0.00	2.80	0.00	0.00	0.50
4	0	0	0	1	30.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	4	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	11	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=55														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
5	0	0	0	11	137.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	12	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	12	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	12	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	12	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	11	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	3	3	11	154.0	0.0	0.3	0.3	0.00	0.02	0.02	0.00	0.01	0.01
BIOYEAR=56														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	16	0	16	11	142.5	1.5	0.0	1.5	0.10	0.00	0.10	0.03	0.00	0.03
2	52	0	52	7	105.0	7.4	0.0	7.4	0.49	0.00	0.49	0.13	0.00	0.13
3	52	0	52	11	135.0	4.7	0.0	4.7	0.32	0.00	0.32	0.09	0.00	0.09
4	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	1	1	11	127.5	0.0	0.0	0.1	0.00	0.01	0.01	0.00	0.00	0.00
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=57														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	10	0	10	11	127.5	0.9	0.0	0.9	0.06	0.00	0.06	0.02	0.00	0.02
2	15	0	15	11	127.5	1.4	0.0	1.4	0.09	0.00	0.09	0.03	0.00	0.03
3	4	0	4	11	127.5	0.4	0.0	0.4	0.02	0.00	0.02	0.01	0.00	0.01
4	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	14	172.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	12	142.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=58														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1069	0	1069	12	142.5	89.1	0.0	89.1	5.94	0.00	5.94	0.24	0.00	0.24
5	0	0	0	10	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	15	187.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	11	127.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=59														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
6	0	0	0	11	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	10	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	9	112.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	8	97.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=60														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	0	0	0	6	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	4	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
BIOYEAR=61														
BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	7	0	7	6	67.5	1.2	0.0	1.2	0.08	0.00	0.08	0.03	0.00	0.03
2	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	19	0	19	6	67.5	3.2	0.0	3.2	0.21	0.00	0.21	0.06	0.00	0.06
4	1	0	1	6	67.5	0.2	0.0	0.2	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	0	5	32.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	3	37.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	3	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	5	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=62

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	0	2	5	60.0	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
2	1	0	1	4	52.5	0.2	0.0	0.2	0.02	0.00	0.02	0.01	0.00	0.01
3	7	0	7	6	67.5	1.2	0.0	1.2	0.08	0.00	0.08	0.03	0.00	0.03
4	3	0	3	7	82.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
5	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	6	67.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=63

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	6	45.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	80	0	80	16	230.0	4.4	0.0	4.4	0.30	0.00	0.30	0.06	0.00	0.06
3	7	0	7	7	82.5	1.0	0.0	1.0	0.07	0.00	0.07	0.02	0.00	0.02
4	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	15	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	14	187.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	12	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	12	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	12	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=64

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	74	0	74	11	142.5	6.7	0.0	6.7	0.45	0.00	0.45	0.07	0.00	0.07
2	42	0	42	20	277.5	2.1	0.0	2.1	0.14	0.00	0.14	0.04	0.00	0.04
3	57	0	57	13	165.0	4.4	0.0	4.4	0.29	0.00	0.29	0.05	0.00	0.05
4	0	0	0	17	217.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	14	184.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	13	172.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	12	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	13	149.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	19	262.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	14	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	11	157.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=65

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	21	262.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	43	0	43	16	180.0	3.1	0.0	3.1	0.21	0.00	0.21	0.06	0.00	0.06
3	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	0	22	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	15	202.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	15	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	20	240.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	11	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	16	210.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	14	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=66

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	12	0	12	15	195.0	0.8	0.0	0.8	0.05	0.00	0.05	0.02	0.00	0.02
2	0	0	0	13	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	15	197.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	44	0	44	25	345.0	1.8	0.0	1.8	0.12	0.00	0.12	0.04	0.00	0.04
5	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	15	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	19	247.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	19	254.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	19	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	19	249.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	3	19	247.5	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.00

BIOYEAR=67

BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	4	19	230.0	0.2	0.0	0.2	0.01	0.00	0.01	0.01	0.00	0.01
2	90	0	90	12	176.0	7.5	0.0	7.5	0.50	0.00	0.50	0.13	0.00	0.13
3	5	0	5	13	157.5	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
4	9	0	9	16	169.5	0.6	0.0	0.6	0.05	0.00	0.05	0.02	0.00	0.02
5	0	1	1	21	265.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00
6	0	0	0	21	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	21	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	19	240.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	29	294.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	21	261.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	21	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	21	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	0	14	24	285.0	0.6	0.0	0.6	0.04	0.00	0.04	0.02	0.00	0.02
2	104	0	104	21	272.5	5.0	0.0	5.0	0.34	0.00	0.34	0.09	0.00	0.09
3	52	0	52	21	267.0	2.5	0.0	2.5	0.17	0.00	0.17	0.05	0.00	0.05
4	27	0	27	22	282.0	1.2	0.0	1.2	0.09	0.00	0.09	0.03	0.00	0.03
5	0	0	0	22	285.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	22	257.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	22	277.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	21	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	266.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	22	253.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	3	3	22	271.0	0.0	0.1	0.1	0.00	0.01	0.01	0.00	0.00	0.00

BIOYEAR=69

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	216	0	216	15	186.0	14.4	0.0	14.4	0.96	0.00	0.96	0.11	0.00	0.11
3	31	0	31	22	265.0	1.4	0.0	1.4	0.09	0.00	0.09	0.03	0.00	0.03
4	20	0	20	21	237.5	1.0	0.0	1.0	0.06	0.00	0.06	0.02	0.00	0.02
5	0	0	0	22	262.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	22	264.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	22	260.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	22	260.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	21	255.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	22	259.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=70

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	18	0	18	21	255.0	0.9	0.0	0.9	0.06	0.00	0.06	0.02	0.00	0.02
2	119	0	119	22	270.0	5.4	0.0	5.4	0.36	0.00	0.36	0.06	0.00	0.06
3	262	0	262	16	210.0	16.4	0.0	16.4	1.11	0.00	1.11	0.20	0.00	0.20
4	41	0	41	22	270.0	1.9	0.0	1.9	0.12	0.00	0.12	0.03	0.00	0.03
5	0	2	2	44	375.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00
6	0	0	0	22	270.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	61	455.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	3	3	81	562.0	0.0	0.0	0.0	0.00	0.01	0.01	0.00	0.00	0.00
9	0	0	0	60	460.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	60	460.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	60	475.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	60	462.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=71

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	2	0	2	60	452.5	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
2	122	0	122	60	400.0	2.0	0.0	2.0	0.41	0.00	0.41	0.08	0.00	0.08
3	110	0	110	60	450.0	1.8	0.0	1.8	0.36	0.00	0.36	0.06	0.00	0.06
4	22	0	22	60	442.0	0.4	0.0	0.4	0.03	0.00	0.03	0.01	0.00	0.01
5	0	0	0	35	327.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	35	335.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	54	477.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	54	292.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	66	387.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	18	90.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	86	430.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	57	285.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=72

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	0	4	45	225.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
2	41	0	41	45	225.0	0.9	0.0	0.9	0.18	0.00	0.18	0.05	0.00	0.05
3	16	0	16	44	220.0	0.4	0.0	0.4	0.07	0.00	0.07	0.02	0.00	0.02
4	0	0	0	11	55.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	71	355.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	105	695.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	65	325.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	65	325.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	79	395.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	79	395.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=73

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	3	0	3	74	370.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
3	18	0	18	125	625.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
4	8	0	8	75	375.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
8	0	0	0	50	253.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	13	65.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=74

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	172	0	172	134	670.0	1.3	0.0	1.3	0.26	0.00	0.26	0.05	0.00	0.05
3	1202	0	1202	80	400.0	15.0	0.0	15.0	3.00	0.00	3.00	0.16	0.00	0.16
4	519	0	519	16	80.0	32.4	0.0	32.4	6.49	0.00	6.49	0.33	0.00	0.33
8	0	0	0	217	1085.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

## BIOYEAR=75

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	127	0	127	140	700.0	0.9	0.0	0.9	0.18	0.00	0.18	0.05	0.00	0.05
3	46	0	46	77	385.0	0.6	0.0	0.6	0.12	0.00	0.12	0.04	0.00	0.04
4	111	0	111	23	115.0	4.8	0.0	4.8	0.97	0.00	0.97	0.11	0.00	0.11
8	0	0	0	359	1795.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=76

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
4	26	0	26	174	870.0	0.1	0.0	0.1	0.03	0.00	0.03	0.01	0.00	0.01
8	0	0	1	354	1770.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=77

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	117	0	117	48	240.0	2.4	0.0	2.4	0.49	0.00	0.49	0.13	0.00	0.13
3	414	0	414	165	825.0	2.5	0.0	2.5	0.50	0.00	0.50	0.11	0.00	0.11
4	2	0	2	47	235.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
7	0	0	0	64	317.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	3	252	1260.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=78

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	87	435.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
2	7303	0	7303	282	1410.0	25.9	0.0	25.9	5.18	0.00	5.18	0.22	0.00	0.22
3	1460	0	1460	70	350.0	20.9	0.0	20.9	4.17	0.00	4.17	0.35	0.00	0.35
4	80	0	80	76	380.0	1.1	0.0	1.1	0.21	0.00	0.21	0.05	0.00	0.05
6	0	0	0	9	130.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	39	194.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	2	31	155.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
12	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=79

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	15	0	15	37	184.0	0.4	0.0	0.4	0.08	0.00	0.08	0.03	0.00	0.03
2	156	0	156	28	140.0	5.6	0.0	5.6	1.11	0.00	1.11	0.08	0.00	0.08
3	378	0	378	46	230.0	8.2	0.0	8.2	1.64	0.00	1.64	0.24	0.00	0.24
4	38	0	38	42	210.0	0.9	0.0	0.9	0.18	0.00	0.18	0.04	0.00	0.04
5	0	0	0	15	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	2	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	2	34	170.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
10	0	0	0	53	265.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	2	25	125.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01
12	0	0	2	36	180.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00

## BIOYEAR=80

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	18	0	18	49	245.0	0.4	0.0	0.4	0.07	0.00	0.07	0.02	0.00	0.02
2	282	0	282	43	215.0	6.6	0.0	6.6	1.31	0.00	1.31	0.18	0.00	0.18
3	65	0	65	31	152.0	2.1	0.0	2.1	0.42	0.00	0.42	0.12	0.00	0.12
4	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	17	85.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	36	178.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	38	191.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	26	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	37	182.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

## BIOYEAR=81

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	833	0	833	47	235.0	17.7	0.0	17.7	3.56	0.00	3.56	0.31	0.00	0.31
2	400	0	400	11	55.0	36.4	0.0	36.4	7.27	0.00	7.27	0.67	0.00	0.67
3	137	0	137	48	240.0	2.9	0.0	2.9	0.57	0.00	0.57	0.12	0.00	0.12
4	204	0	204	46	230.0	4.4	0.0	4.4	0.89	0.00	0.89	0.11	0.00	0.11
5	0	0	0	52	260.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	38	190.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	46	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	2	48	238.0	0.0	0.0	0.0	0.00	0.00	0.00	0.01	0.00	0.00
11	0	0	0	48	236.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	3	47	235.0	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00



ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=82

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	6	0	6	48	240.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
2	64	0	64	32	160.0	2.0	0.0	2.0	0.40	0.00	0.40	0.09	0.00	0.09
3	383	0	383	34	270.0	7.1	0.0	7.1	1.42	0.00	1.42	0.14	0.00	0.14
4	0	0	0	14	70.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	15	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	40	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	39	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	39	195.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	38	186.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	38	192.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	65	325.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	11	0	11	39	194.0	0.3	0.0	0.3	0.06	0.00	0.06	0.02	0.00	0.02
2	222	0	222	19	95.0	11.7	0.0	11.7	2.34	0.00	2.34	0.30	0.00	0.30
3	2	0	2	13	65.0	0.2	0.0	0.2	0.03	0.00	0.03	0.01	0.00	0.01
4	2	0	2	38	190.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	0	45	222.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	50	250.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	48	237.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	47	235.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	46	230.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	49	245.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	49	245.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	0	1	12	60.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
2	1743	0	1743	36	180.0	48.4	0.0	48.4	9.68	0.00	9.68	0.50	0.00	0.50
3	134	0	134	26	131.0	5.2	0.0	5.2	1.02	0.00	1.02	0.13	0.00	0.13
4	2	0	2	26	130.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
5	0	0	0	44	220.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	12	60.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	38	189.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	22	110.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	45	225.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
2	335	0	335	22	110.0	15.2	0.0	15.2	3.05	0.00	3.05	0.27	0.00	0.27
3	19	0	19	24	120.0	0.8	0.0	0.8	0.16	0.00	0.16	0.05	0.00	0.05
4	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	0	24	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	1	35	175.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	39	196.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	36	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=86

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	48	0	48	23	115.0	2.1	0.0	2.1	0.42	0.00	0.42	0.09	0.00	0.09
2	169	0	169	23	115.0	7.3	0.0	7.3	1.47	0.00	1.47	0.25	0.00	0.25
3	352	0	352	24	120.0	14.7	0.0	14.7	2.93	0.00	2.93	0.33	0.00	0.33
4	5	0	5	23	115.0	0.2	0.0	0.2	0.04	0.00	0.04	0.01	0.00	0.01
5	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	36	180.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	37	185.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	33	165.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	34	170.0	0.0	0.0	0.1	0.00	0.00	0.02	0.00	0.00	0.01

BIOYEAR=87

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
6	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	32	160.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=88

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	615	0	615	21	105.0	29.3	0.0	29.3	5.86	0.00	5.86	0.37	0.00	0.37
2	46	0	46	25	125.0	1.8	0.0	1.8	0.37	0.00	0.37	0.08	0.00	0.08
3	135	0	135	25	125.0	5.4	0.0	5.4	1.08	0.00	1.08	0.12	0.00	0.12
4	12	0	12	25	125.0	0.5	0.0	0.5	0.10	0.00	0.10	0.03	0.00	0.03
5	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

ATLANTIC SILVERSIDE INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	43	0	43	23	115.0	1.9	0.0	1.9	0.37	0.00	0.37	0.10	0.00	0.10
2	3	0	3	25	125.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
3	3	0	3	25	125.0	0.1	0.0	0.1	0.02	0.00	0.02	0.01	0.00	0.01
4	1	0	1	25	125.0	0.0	0.0	0.0	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	0	25	125.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	0	35	175.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
9	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	27	135.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	0	34	170.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	5	0	5	22	110.0	0.2	0.0	0.2	0.05	0.00	0.05	0.02	0.00	0.02

YOY ATLANTIC SILVERSIDE INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
54	0	126	4	75.0	0.0	31.5	0.00	2.10	0.00	0.38
56	120	120	40	510.0	3.0	3.0	0.20	0.20	0.06	0.06
57	33	33	44	510.0	0.8	0.8	0.05	0.05	0.02	0.02
58	1069	1069	12	162.5	89.1	89.1	5.96	5.96	0.24	0.24
60	0	0	6	75.0	0.0	0.0	0.00	0.00	0.00	0.00
61	27	27	24	270.0	1.1	1.1	0.08	0.08	0.02	0.02
62	13	13	22	262.5	0.6	0.6	0.04	0.04	0.02	0.02
63	87	87	38	440.0	2.3	2.3	0.15	0.15	0.03	0.03
64	173	173	61	802.5	2.8	2.8	0.19	0.19	0.04	0.04
65	43	43	76	997.5	0.6	0.6	0.04	0.04	0.01	0.01
66	56	56	68	902.5	0.8	0.8	0.05	0.05	0.02	0.02
67	108	108	58	733.0	1.9	1.9	0.13	0.13	0.03	0.03
68	197	197	88	1106.5	2.2	2.2	0.16	0.16	0.05	0.05
69	267	267	80	958.5	3.3	3.3	0.22	0.22	0.03	0.03
70	440	440	81	1005.0	5.4	5.4	0.37	0.37	0.07	0.07
71	256	256	240	1744.5	1.1	1.1	0.20	0.20	0.04	0.04
72	61	61	145	725.0	0.4	0.4	0.08	0.08	0.02	0.02
73	29	29	274	1370.0	0.1	0.1	0.02	0.02	0.01	0.01
74	1893	1893	230	1150.0	8.2	8.2	1.65	1.65	0.11	0.11
75	284	284	240	1200.0	1.2	1.2	0.24	0.24	0.05	0.05
76	26	26	174	870.0	0.1	0.1	0.03	0.03	0.01	0.01
77	533	533	260	1300.0	2.0	2.0	0.41	0.41	0.09	0.09
78	8844	8844	515	2575.0	17.2	17.2	3.43	3.43	0.17	0.17
79	587	587	153	784.0	3.8	3.8	0.77	0.77	0.10	0.10
80	365	365	158	787.0	2.3	2.3	0.46	0.46	0.08	0.08
81	1574	1574	152	760.0	10.4	10.4	2.07	2.07	0.22	0.22
82	453	453	148	740.0	3.1	3.1	0.61	0.61	0.08	0.08
83	237	237	109	544.0	2.2	2.2	0.43	0.43	0.06	0.06
84	1880	1880	100	501.0	18.8	18.8	3.76	3.76	0.22	0.22
85	354	354	71	355.0	5.0	5.0	1.00	1.00	0.10	0.10
86	574	574	93	465.0	6.2	6.2	1.23	1.23	0.17	0.17
88	808	808	96	480.0	8.4	8.4	1.68	1.68	0.14	0.14
89	50	50	98	490.0	0.5	0.5	0.10	0.10	0.03	0.03
90	5	5	22	110.0	0.2	0.2	0.05	0.05	0.02	0.02

Table 11  
 BLUE CRAB INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=55														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
7	258	0	302	22	297.5	11.7	0.0	13.7	0.84	0.00	0.98	0.23	0.00	0.26
8	584	0	667	22	330.0	26.5	0.0	30.3	1.77	0.00	2.02	0.30	0.00	0.32
10	166	5	263	21	315.0	7.9	0.2	11.7	0.53	0.02	0.78	0.15	0.01	0.20
11	0	10	57	16	240.0	0.0	0.6	3.6	0.00	0.04	0.24	0.00	0.02	0.09
12	0	19	104	27	405.0	0.0	0.7	3.9	0.00	0.05	0.26	0.00	0.02	0.09

BIOYEAR=56														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	109	26	172	19	285.0	5.7	1.3	9.1	0.38	0.08	0.60	0.12	0.03	0.18
2	226	10	274	21	304.0	10.8	0.5	13.0	0.72	0.03	0.87	0.18	0.01	0.20
3	36	2	50	18	240.0	2.0	0.1	2.8	0.14	0.01	0.19	0.05	0.00	0.07
4	0	0	0	7	105.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
5	11	0	13	14	180.0	0.8	0.0	0.9	0.05	0.00	0.06	0.02	0.00	0.02
6	92	0	97	17	210.0	5.4	0.0	5.7	0.37	0.00	0.39	0.12	0.00	0.12
8	94	0	140	19	232.5	4.9	0.0	7.4	0.49	0.00	0.72	0.13	0.00	0.17
11	0	30	176	20	217.5	0.0	1.5	8.8	0.00	0.15	0.48	0.00	0.06	0.25
12	0	25	530	24	292.5	0.0	1.0	22.1	0.00	0.07	1.60	0.00	0.03	0.31

BIOYEAR=57														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	49	7	76	20	247.5	2.5	0.3	3.8	0.22	0.03	0.34	0.08	0.01	0.12
2	103	4	123	17	210.0	6.1	0.2	7.2	0.43	0.02	0.51	0.13	0.01	0.15
3	30	1	36	16	195.0	1.9	0.1	2.2	0.13	0.00	0.16	0.05	0.00	0.06
4	0	0	1	11	127.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
5	7	0	7	12	142.5	0.6	0.0	0.6	0.05	0.00	0.05	0.02	0.00	0.02
6	3	0	3	11	127.5	0.3	0.0	0.3	0.02	0.00	0.02	0.01	0.00	0.01
7	324	0	331	22	285.0	14.7	0.0	15.0	1.15	0.00	1.17	0.28	0.00	0.28
8	235	0	275	20	240.0	11.8	0.0	13.8	0.81	0.00	0.95	0.17	0.00	0.19
9	269	0	514	24	300.0	11.2	0.0	21.4	0.86	0.00	1.64	0.22	0.00	0.33
10	93	40	366	22	270.0	4.2	1.8	16.6	0.53	0.14	1.27	0.11	0.05	0.29
11	0	66	171	21	262.5	0.0	2.2	8.1	0.00	0.19	0.68	0.00	0.07	0.19
12	0	24	37	14	172.5	0.0	1.7	2.6	0.00	0.14	0.22	0.00	0.05	0.07

BIOYEAR=58														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	1	8	11	11	127.5	0.1	0.7	1.0	0.01	0.06	0.09	0.00	0.02	0.03
2	37	2	45	17	210.0	2.2	0.1	2.6	0.15	0.01	0.18	0.06	0.00	0.07
7	39	0	48	15	187.5	2.6	0.0	3.2	0.19	0.00	0.23	0.07	0.00	0.08
9	0	0	2	2	127.5	0.0	0.0	0.2	0.00	0.00	0.01	0.00	0.00	0.00
10	72	8	168	20	240.0	3.6	0.4	8.4	0.30	0.03	0.71	0.10	0.01	0.19
11	0	8	41	19	240.0	0.0	0.4	2.2	0.00	0.04	0.18	0.00	0.01	0.07
12	0	15	36	16	195.0	0.0	0.9	2.2	0.00	0.07	0.17	0.00	0.03	0.06

BIOYEAR=59														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	269	18	309	15	180.0	17.9	1.2	20.6	1.22	0.08	1.40	0.23	0.03	0.26
2	31	0	35	14	165.0	2.2	0.0	2.5	0.18	0.00	0.20	0.06	0.00	0.07
8	548	0	558	17	217.5	32.2	0.0	32.8	2.20	0.00	2.24	0.29	0.00	0.29
9	196	0	219	17	240.0	11.5	0.0	12.9	0.84	0.00	0.95	0.22	0.00	0.23
10	328	69	909	22	277.5	14.9	3.1	41.3	1.14	0.24	3.18	0.26	0.08	0.47
11	0	77	323	15	225.0	0.0	5.1	21.5	0.00	0.34	1.43	0.00	0.11	0.32

BIOYEAR=60														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
7	45	0	47	8	120.0	5.6	0.0	5.9	0.38	0.00	0.39	0.13	0.00	0.14
8	72	0	72	7	105.0	10.3	0.0	10.3	0.69	0.00	0.69	0.22	0.00	0.22
9	109	0	153	13	180.0	8.4	0.0	11.8	0.68	0.00	0.95	0.18	0.00	0.23
12	0	11	19	9	135.0	0.0	1.2	2.1	0.00	0.08	0.14	0.00	0.03	0.06

BIOYEAR=61														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	4	13	33	10	150.0	0.4	1.3	3.3	0.03	0.09	0.22	0.01	0.04	0.08
2	6	0	20	7	105.0	0.9	0.9	2.9	0.06	0.06	0.19	0.02	0.02	0.07
3	15	0	38	8	120.0	1.9	0.0	4.7	0.13	0.00	0.32	0.05	0.00	0.11
9	127	0	193	25	337.0	5.1	0.0	7.7	0.36	0.00	0.55	0.11	0.00	0.16
12	0	47	116	24	337.5	0.0	2.0	4.8	0.00	0.14	0.34	0.00	0.05	0.11

BIOYEAR=62														
BIONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAIL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	14	22	77	18	270.0	0.8	1.2	4.3	0.05	0.08	0.29	0.02	0.03	0.10
2	11	0	13	5	75.0	2.2	0.0	2.6	0.15	0.00	0.17	0.06	0.00	0.07
7	90	0	92	9	135.0	10.0	0.0	10.2	0.67	0.00	0.68	0.18	0.00	0.18
8	175	0	242	20	275.0	8.8	0.0	12.1	0.64	0.00	0.92	0.18	0.00	0.23
9	87	0	105	22	327.0	4.0	0.0	4.8	0.27	0.00	0.32	0.09	0.00	0.11
10	16	4	22	10	150.0	1.6	0.4	2.2	0.11	0.03	0.15	0.04	0.01	0.06
12	0	111	156	24	360.0	0.0	4.6	6.5	0.00	0.31	0.43	0.00	0.10	0.13

BLUE CRAB INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=63

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	17	21	8	90.0	0.0	2.1	2.6	0.00	0.25	0.32	0.00	0.09	0.11
2	18	2	27	8	120.0	2.2	3.4	5.6	0.15	0.02	0.23	0.06	0.01	0.08
3	0	0	0	8	75.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
4	1	0	1	12	172.5	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	0	7	82.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	6	0	21	8	120.0	0.8	0.0	2.6	0.05	0.00	0.18	0.02	0.00	0.07
8	172	0	261	29	420.0	5.9	0.0	8.3	0.41	0.00	0.58	0.13	0.00	0.17
9	343	0	370	24	395.0	14.3	0.0	15.4	0.95	0.00	1.03	0.24	0.00	0.26
10	141	0	257	32	435.0	4.4	0.0	8.0	0.38	0.00	0.69	0.12	0.00	0.19
11	0	24	24	24	330.0	0.0	1.0	3.2	0.00	0.08	0.25	0.00	0.03	0.09
12	0	78	209	25	322.5	0.0	3.1	8.4	0.00	0.22	0.59	0.00	0.07	0.14

BIOYEAR=64

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	207	35	281	21	315.0	9.9	1.7	13.4	0.66	0.11	0.89	0.20	0.04	0.24
2	65	7	98	23	322.5	2.8	0.3	4.3	0.19	0.02	0.29	0.07	0.01	0.10
3	107	0	114	20	262.5	5.3	0.0	5.7	0.99	0.00	0.42	0.13	0.00	0.13
7	280	0	304	27	369.0	10.4	0.0	11.3	0.73	0.00	0.79	0.20	0.00	0.21
8	250	0	289	24	330.0	10.4	0.0	12.0	0.72	0.00	0.83	0.20	0.00	0.22
9	440	0	564	29	405.0	15.2	0.0	19.4	1.09	0.00	1.39	0.25	0.00	0.29
10	137	6	233	26	302.5	5.3	0.2	9.0	0.43	0.02	0.74	0.12	0.01	0.17
11	0	136	387	28	390.0	0.0	4.9	13.8	0.00	0.35	0.99	0.00	0.11	0.23
12	0	183	271	25	375.0	0.0	7.3	10.8	0.00	0.69	0.72	0.00	0.10	0.13

BIOYEAR=65

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	29	13	71	27	375.0	1.1	0.5	2.6	0.08	0.04	0.19	0.03	0.02	0.07
2	94	1	108	22	322.5	4.3	0.0	4.9	0.29	0.00	0.33	0.10	0.00	0.12
7	69	0	86	24	322.5	2.9	0.0	3.6	0.22	0.00	0.28	0.08	0.00	0.10
8	213	0	248	28	390.0	7.6	0.0	8.9	0.59	0.00	0.69	0.17	0.00	0.19
9	245	0	282	24	337.5	10.2	0.0	11.8	0.71	0.00	0.82	0.18	0.00	0.20
10	403	11	560	33	427.5	12.2	0.3	17.0	0.97	0.03	1.35	0.23	0.01	0.28
11	0	52	407	39	525.0	0.0	1.3	10.4	0.00	0.11	0.86	0.00	0.04	0.22
12	0	70	477	24	292.5	0.0	2.9	19.9	0.00	0.20	1.41	0.00	0.07	0.31

BIOYEAR=66

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	55	32	148	30	405.0	1.8	1.1	4.9	0.13	0.00	0.37	0.05	0.03	0.13
2	13	4	72	19	255.0	0.7	0.2	3.8	0.05	0.01	0.27	0.02	0.01	0.09
3	13	0	18	16	210.0	0.8	0.0	1.1	0.06	0.00	0.08	0.02	0.00	0.03
4	14	0	15	18	240.0	0.8	0.0	0.8	0.05	0.00	0.06	0.02	0.00	0.02
5	5	0	6	16	212.5	0.3	0.0	0.6	0.02	0.00	0.03	0.01	0.00	0.01
6	84	0	95	20	270.0	4.3	0.0	4.7	0.29	0.00	0.32	0.10	0.00	0.10
7	71	0	76	22	277.5	3.2	0.0	3.5	0.31	0.00	0.34	0.10	0.00	0.10
8	402	0	485	31	420.0	13.0	0.0	15.6	0.90	0.00	1.08	0.22	0.00	0.25
9	253	0	345	28	367.5	9.0	0.0	12.3	0.68	0.00	0.92	0.18	0.00	0.22
10	71	14	230	28	351.5	2.5	0.5	8.2	0.20	0.04	0.65	0.07	0.02	0.17
11	0	27	204	33	427.5	0.0	0.8	6.2	0.00	0.06	0.69	0.00	0.03	0.15
12	0	42	141	29	367.5	0.0	1.4	4.9	0.00	0.12	0.43	0.00	0.05	0.13

BIOYEAR=67

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	15	1	21	20	258.0	0.8	0.1	1.1	0.06	0.01	0.09	0.03	0.00	0.04
2	5	5	23	18	232.5	0.3	0.3	1.3	0.02	0.02	0.09	0.01	0.01	0.04
3	2	7	22	18	212.5	0.1	0.4	1.2	0.01	0.04	0.10	0.00	0.01	0.04
4	1	0	1	9	131.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
5	0	0	3	14	172.5	0.0	0.0	0.2	0.00	0.00	0.02	0.00	0.00	0.00
6	0	0	0	14	169.5	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
7	20	0	26	19	247.5	1.1	0.0	1.4	0.08	0.00	0.11	0.03	0.00	0.04
8	7	0	41	20	270.0	0.3	0.0	2.0	0.02	0.00	0.14	0.01	0.00	0.05
9	27	0	68	19	240.0	1.4	0.0	3.6	0.12	0.00	0.29	0.04	0.00	0.09
10	53	2	86	22	270.0	2.4	0.1	3.9	0.23	0.01	0.37	0.08	0.00	0.12
11	0	54	146	31	375.0	0.0	1.7	4.7	0.00	0.14	0.38	0.00	0.05	0.12
12	0	63	110	34	441.5	0.0	1.9	3.2	0.00	0.13	0.23	0.00	0.05	0.07

BIOYEAR=68

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	112	6	138	30	397.5	3.7	0.2	4.6	0.26	0.01	0.32	0.09	0.01	0.11
2	1259	2	1277	36	487.5	35.0	0.1	35.5	2.36	0.00	2.39	0.31	0.00	0.32
3	236	0	237	29	370.0	8.1	0.0	8.2	0.56	0.00	0.56	0.14	0.00	0.14
4	15	0	24	24	317.5	0.6	0.0	0.6	0.04	0.00	0.07	0.02	0.00	0.03
5	57	0	59	30	399.0	1.9	0.0	2.0	0.13	0.00	0.14	0.05	0.00	0.05
6	59	0	71	33	444.0	1.8	0.0	2.2	0.12	0.00	0.15	0.05	0.00	0.06
7	1462	0	1472	41	547.5	35.7	0.0	35.9	2.62	0.00	2.64	0.44	0.00	0.44
8	2022	0	2057	43	540.0	47.0	0.0	47.8	4.36	0.00	4.43	0.44	0.00	0.44
9	1756	0	1899	43	510.0	40.8	0.0	44.2	3.25	0.00	3.52	0.44	0.00	0.45
10	457	13	834	48	615.0	9.5	0.3	17.4	0.86	0.03	1.57	0.20	0.01	0.30
11	0	786	1945	50	615.0	0.0	15.7	38.9	0.00	1.38	7.42	0.00	0.23	0.42
12	0	194	445	52	678.0	0.0	3.7	8.6	0.00	0.28	0.65	0.00	0.09	0.18

BIOYEAR=69

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	19	102	365	39	484.5	0.5	2.6	9.4	0.04	0.20	0.73	0.01	0.07	0.19
2	7	79	112	40	520.0	0.2	2.0	2.8	0.01	0.14	0.21	0.00	0.05	0.07
3	11	25	73	33	427.5	0.3	0.8	2.2	0.02	0.05	0.16	0.01	0.02	0.06
4	1	0	4	15	186.0	0.1	0.0	0.3	0.00	0.00	0.02	0.00	0.00	0.01
5	2	0	2	23	280.0	0.1	0.0	0.1	0.01	0.00	0.01	0.00	0.00	0.00
6	0	0	3	12	252.5	0.0	0.0	0.1	0.00	0.00	0.01	0.00	0.00	0.00
7	25	0	69	31	382.5	0.8	0.0	2.2	0.06	0.00	0.17	0.02	0.00	0.06
8	191	0	405	43	544.5	4.4	0.0	9.4	0.33	0.00	0.71	0.11	0.00	0.20
9	212	0	350	45	555.0	4.7	0.0	7.8	0.42	0.00	0.70	0.12	0.00	0.18
10	298	59	401	45	577.5	6.6	1.3	8.9	0.66	0.13	0.89	0.16	0.05	0.20
11	0	276	530	50	630.0	0.0	5.5	10.6	0.00	0.41	1.38	0.00	0.21	0.21
12	0	161	811	54	652.5	0.0	3.0	15.0	0.00	0.28	1.42	0.00	0.08	0.25

BLUE CRAB INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=70

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	153	224	529	50	630.0	3.1	4.5	10.6	0.23	0.33	0.80	0.08	0.11	0.22
2	331	73	446	45	559.5	7.4	1.6	10.4	0.65	0.14	0.92	0.18	0.05	0.23
3	402	26	480	38	487.5	10.6	0.7	12.6	0.77	0.05	0.92	0.20	0.02	0.22
4	0	0	18	27	337.5	0.0	0.0	0.7	0.00	0.00	0.06	0.00	0.00	0.02
5	7	1	8	16	210.0	0.4	0.1	0.5	0.03	0.00	0.03	0.01	0.00	0.01
6	139	0	164	53	405.0	4.2	0.0	5.0	0.32	0.00	0.37	0.10	0.00	0.12
7	974	0	1089	50	492.5	19.5	0.0	21.8	2.44	0.00	2.72	0.41	0.00	0.43
8	2101	0	2321	49	500.0	42.9	0.0	47.4	5.98	0.00	6.60	0.62	0.00	0.65
9	2390	0	2843	49	607.5	48.8	0.0	58.4	4.07	0.00	4.87	0.46	0.00	0.49
10	1058	262	1628	58	512.5	18.2	4.5	28.1	2.36	0.58	3.63	0.37	0.15	0.46
11	0	322	876	66	605.0	0.0	4.9	13.3	0.00	0.56	1.52	0.00	0.16	0.33
12	0	478	876	69	780.0	0.0	6.9	12.7	0.00	0.63	1.15	0.00	0.17	0.26

BIOYEAR=71

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	95	191	715	61	577.5	1.6	3.1	11.7	0.17	0.33	1.26	0.06	0.11	0.29
2	328	56	520	50	462.5	6.6	1.1	10.4	0.69	0.11	1.09	0.20	0.04	0.27
3	112	29	284	45	402.5	2.5	0.6	6.3	0.44	0.12	1.12	0.12	0.04	0.22
6	113	0	152	43	444.0	2.6	0.0	3.5	0.27	0.00	0.36	0.09	0.00	0.12
7	49	0	133	41	385.0	1.2	0.0	3.2	0.18	0.00	0.48	0.06	0.00	0.13
8	115	0	145	36	337.5	3.2	0.0	4.0	0.35	0.00	0.44	0.12	0.00	0.14
9	488	0	1020	64	570.0	7.6	0.0	15.9	1.10	0.00	2.30	0.24	0.00	0.38
10	432	162	790	45	277.5	9.6	3.6	17.4	1.66	0.62	3.04	0.35	0.18	0.48
11	0	577	906	35	205.0	0.0	16.5	25.9	0.00	3.24	5.09	0.00	0.47	0.58
12	0	106	305	40	250.0	0.0	2.6	7.6	0.00	0.40	1.15	0.00	0.13	0.28

BIOYEAR=72

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	515	80	705	57	285.0	9.0	1.4	12.4	1.81	0.28	2.47	0.35	0.09	0.42
2	74	4	105	51	275.0	1.3	0.1	1.9	0.27	0.01	0.38	0.09	0.01	0.12
3	515	0	595	48	240.0	10.7	0.0	12.4	2.15	0.00	2.48	0.41	0.00	0.44
8	893	0	1042	51	255.0	17.5	0.0	20.4	3.50	0.00	4.09	0.49	0.00	0.53
10	418	49	583	54	270.0	7.7	0.9	10.8	1.55	0.18	2.16	0.33	0.06	0.40
11	0	51	245	37	185.0	0.0	1.4	6.6	0.00	0.28	1.32	0.00	0.09	0.29
12	0	156	397	57	285.0	0.0	2.7	7.0	0.00	0.55	1.39	0.00	0.16	0.31

BIOYEAR=73

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	58	56	167	48	260.0	1.2	1.2	3.5	0.24	0.23	0.70	0.09	0.08	0.20
2	136	17	219	41	205.0	3.3	0.4	5.3	0.66	0.08	1.07	0.18	0.03	0.25
8	286	0	342	48	240.0	6.0	0.0	7.1	1.19	0.00	1.43	0.28	0.00	0.31
9	857	0	1066	60	300.0	14.3	0.0	17.8	2.86	0.00	3.55	0.43	0.00	0.47
10	820	138	1074	56	280.0	14.6	2.5	19.2	2.93	0.49	3.84	0.46	0.15	0.52
11	0	162	383	37	285.0	0.0	2.0	6.7	0.00	0.57	1.34	0.00	0.17	0.31
12	0	73	118	50	250.0	0.0	1.5	2.6	0.00	0.29	0.47	0.00	0.11	0.16

BIOYEAR=74

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	48	5	73	39	195.0	1.2	0.1	1.9	0.25	0.03	0.37	0.09	0.01	0.12
2	28	2	30	22	110.0	1.3	0.1	1.4	0.25	0.02	0.27	0.09	0.01	0.09
8	186	0	212	36	170.0	5.5	0.0	6.2	1.09	0.00	1.25	0.28	0.00	0.30
9	315	0	335	36	180.0	8.8	0.0	9.9	1.75	0.00	1.97	0.35	0.00	0.37
10	318	5	338	33	165.0	9.6	0.2	10.2	1.93	0.03	2.05	0.36	0.01	0.37
11	0	10	149	28	140.0	0.0	0.4	5.3	0.00	0.07	1.06	0.00	-0.03	0.24
12	0	18	54	28	140.0	0.0	0.6	1.9	0.00	0.13	0.39	0.00	0.05	0.13

BIOYEAR=75

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	13	4	43	14	70.0	0.9	0.3	3.1	0.19	0.06	0.61	0.06	0.02	0.16
2	36	0	57	28	140.0	1.3	0.0	2.0	0.26	0.00	0.41	0.09	0.00	0.13
7	81	0	95	52	260.0	1.6	0.0	1.8	0.31	0.00	0.36	0.10	0.00	0.11
8	330	0	491	66	330.0	5.8	0.0	7.4	1.15	0.00	1.49	0.23	0.00	0.27
9	387	0	492	69	345.0	5.6	0.0	7.1	1.12	0.00	1.43	0.27	0.00	0.31
10	298	48	376	73	365.0	4.1	0.7	5.2	0.82	0.13	1.03	0.21	0.05	0.26
11	0	182	585	99	495.0	0.0	1.8	5.9	0.00	0.37	1.18	0.00	0.12	0.28
12	0	59	149	67	335.0	0.0	0.9	2.2	0.00	0.18	0.44	0.00	0.06	0.14

BIOYEAR=76

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	231	97	421	74	370.0	3.1	1.3	5.7	0.62	0.26	1.14	0.19	0.09	0.29
2	270	29	393	51	255.0	5.3	0.6	7.7	1.06	0.11	1.54	0.24	0.04	0.30
8	139	0	168	25	125.0	5.6	0.0	6.7	1.11	0.00	1.34	0.25	0.00	0.28
9	720	0	978	63	315.0	11.4	0.0	15.5	2.29	0.00	3.10	0.41	0.00	0.49
10	218	220	566	55	275.0	4.0	4.0	10.3	0.79	0.80	2.06	0.20	0.20	0.36
11	0	219	312	62	310.0	0.0	3.5	5.0	0.00	0.71	1.01	0.00	0.20	0.26
12	0	283	364	57	285.0	0.0	5.0	6.4	0.00	0.99	1.28	0.00	0.24	0.28

BIOYEAR=77

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	176	224	628	63	315.0	2.8	3.6	10.0	0.56	0.71	1.99	0.16	0.19	0.38
2	162	117	425	58	290.0	2.4	2.0	7.3	0.49	0.40	1.47	0.14	0.12	0.30
8	261	0	301	42	210.0	6.2	0.0	7.2	1.24	0.00	1.43	0.26	0.00	0.28
9	350	0	539	52	260.0	6.7	0.0	10.4	1.35	0.00	2.07	0.30	0.00	0.39
10	906	157	1234	62	310.0	14.6	2.5	19.9	2.92	0.51	3.98	0.42	0.14	0.50
11	0	192	848	58	290.0	0.0	3.3	14.6	0.00	0.66	2.92	0.00	0.16	0.42
12	0	213	625	69	345.0	0.0	3.1	9.1	0.00	0.62	1.81	0.00	0.18	0.38

BLUE CRAB INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=78

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	72	235	408	61	495.0	1.2	3.9	6.7	0.19	0.61	1.06	0.06	0.17	0.23
2	195	85	450	56	460.0	3.5	1.5	8.0	0.50	0.22	1.16	0.15	0.08	0.28
8	777	0	960	54	270.0	14.4	0.0	17.8	2.88	0.00	3.56	0.41	0.00	0.45
9	1017	0	1740	79	395.0	12.9	0.0	22.0	2.57	0.00	4.41	0.42	0.00	0.55
10	881	478	1521	76	380.0	11.6	6.3	20.0	2.32	1.26	4.00	0.42	0.29	0.55
11	0	417	1083	81	405.0	0.0	5.1	13.4	0.00	1.03	2.67	0.00	0.25	0.46
12	0	299	430	76	380.0	0.0	3.9	5.7	0.00	0.79	1.13	0.00	0.20	0.26

BIOYEAR=79

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	0	79	116	56	280.0	0.0	1.4	2.1	0.00	0.28	0.41	0.00	0.10	0.14
2	26	119	198	58	290.0	0.4	2.1	3.4	0.09	0.41	0.68	0.03	0.13	0.19
8	37	0	117	49	245.0	0.8	0.0	2.4	0.15	0.00	0.48	0.05	0.00	0.14
9	249	0	552	72	360.0	3.5	0.0	7.7	0.69	0.00	1.53	0.20	0.00	0.34
10	732	225	1065	81	405.0	9.0	2.8	13.1	1.81	0.56	2.63	0.36	0.16	0.45
11	0	494	903	88	405.0	0.0	5.6	10.3	0.00	1.12	2.05	0.00	0.28	0.40
12	0	596	996	107	535.0	0.0	5.6	9.3	0.00	1.12	1.66	0.00	0.28	0.38

BIOYEAR=80

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	897	596	1697	96	480.0	9.3	6.2	17.7	1.87	1.24	3.54	0.38	0.29	0.53
2	868	227	1301	82	410.0	10.6	2.8	15.9	2.19	0.57	3.28	0.40	0.17	0.50
8	2613	0	3067	82	412.0	31.9	0.0	37.4	6.35	0.00	7.45	0.60	0.00	0.72
9	2614	0	3650	99	495.0	26.4	0.0	36.9	5.28	0.00	7.37	0.60	0.00	0.70
10	2143	1170	4595	110	552.0	19.7	10.6	41.8	3.83	2.13	8.35	0.52	0.37	0.74
11	0	634	1158	71	355.0	0.0	8.9	16.3	0.00	1.79	3.26	0.00	0.38	0.52
12	0	1350	2500	106	530.0	0.0	12.7	23.6	0.00	2.35	4.72	0.00	0.41	0.57

BIOYEAR=81

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	258	679	1221	108	540.0	2.4	6.3	11.3	0.48	1.26	2.26	0.15	0.30	0.43
2	335	247	777	89	437.5	3.8	2.8	8.7	0.78	0.57	1.80	0.21	0.17	0.38
8	555	0	937	80	400.0	6.9	0.0	11.7	1.39	0.00	2.34	0.28	0.00	0.38
9	838	0	1906	105	525.0	8.0	0.0	18.2	1.60	0.00	3.63	0.34	0.00	0.53
10	407	794	1400	101	505.0	4.0	7.9	13.9	0.81	1.57	2.77	0.23	0.36	0.50
11	0	588	1226	96	480.0	0.0	6.1	12.8	0.00	1.22	2.55	0.00	0.27	0.44
12	0	625	1119	108	534.0	0.0	5.8	10.4	0.00	1.17	2.09	0.00	0.29	0.41

BIOYEAR=82

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	223	244	584	93	461.0	2.4	2.6	6.3	0.48	0.52	1.26	0.14	0.16	0.27
2	205	86	312	75	375.0	2.7	1.1	4.2	0.55	0.23	0.83	0.16	0.08	0.22
8	2324	0	2691	83	415.0	28.0	0.0	32.4	5.60	0.00	6.48	0.58	0.00	0.61
9	1684	0	2384	107	535.0	15.7	0.0	22.3	3.15	0.00	4.44	0.49	0.00	0.59
10	717	226	1211	98	490.0	7.3	2.3	12.4	1.46	0.46	2.47	0.32	0.16	0.43
11	0	962	1771	105	515.0	0.0	9.2	16.9	0.00	1.86	3.41	0.00	0.37	0.51
12	0	514	969	110	556.0	0.0	4.7	8.8	0.00	0.91	1.72	0.00	0.26	0.38

BIOYEAR=83

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	759	271	1168	99	495.0	7.7	2.7	11.8	1.53	0.55	2.36	0.31	0.15	0.40
2	1271	375	1809	104	520.0	12.2	3.6	17.4	2.44	0.72	3.48	0.41	0.19	0.50
3	1133	69	1284	59	293.0	19.2	1.2	21.8	3.85	0.23	4.36	0.43	0.07	0.45
8	1919	0	2080	78	390.0	24.6	0.0	26.7	4.92	0.00	5.33	0.56	0.00	0.58
9	4718	0	4701	92	460.0	45.4	0.0	51.1	9.08	0.00	10.22	0.80	0.00	0.84
10	2080	139	2639	83	415.0	25.1	1.7	32.0	5.01	0.33	6.41	0.58	0.11	0.64
11	0	313	1295	82	410.0	0.0	3.8	15.8	0.00	0.76	3.16	0.00	0.19	0.46
12	0	238	524	66	330.0	0.0	3.6	7.9	0.00	0.72	1.59	0.00	0.21	0.36

BIOYEAR=84

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	227	184	548	81	405.0	2.8	2.3	6.8	0.56	0.45	1.35	0.15	0.13	0.29
2	833	132	1070	84	420.0	9.9	1.6	12.7	1.98	0.31	2.55	0.34	0.09	0.38
8	297	7	336	23	115.0	12.9	0.3	14.6	2.58	0.06	2.92	0.44	0.02	0.48
9	3189	0	3694	88	440.0	36.2	0.0	44.2	7.25	0.00	8.85	0.61	0.00	0.66
10	677	0	963	31	155.0	21.8	0.0	31.1	4.37	0.00	6.21	0.48	0.00	0.57
11	833	184	1322	87	435.0	9.6	2.1	15.2	1.92	0.42	3.05	0.36	0.13	0.46
12	0	352	769	61	305.0	0.0	5.8	12.6	0.00	1.15	2.52	0.00	0.29	0.47
	0	240	545	69	345.0	0.0	3.5	7.9	0.00	0.70	1.58	0.00	0.19	0.33

BIOYEAR=85

BIOMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	817	269	1300	82	410.0	10.0	3.3	15.9	1.99	0.66	3.17	0.37	0.18	0.47
4	7	0	8	23	115.0	0.3	0.0	0.3	0.06	0.00	0.07	0.02	0.00	0.03
5	1	0	5	25	125.0	0.0	0.0	0.2	0.01	0.00	0.04	0.00	0.00	0.02
6	100	0	121	33	165.0	3.0	0.0	3.7	0.61	0.00	0.73	0.17	0.00	0.19
7	121	0	185	35	175.0	3.5	0.0	5.3	0.69	0.00	1.06	0.19	0.00	0.25
8	596	0	761	68	360.0	8.7	0.0	11.2	1.75	0.00	2.24	0.32	0.00	0.37
9	558	0	1036	89	445.0	6.3	0.0	11.6	1.25	0.00	2.33	0.30	0.00	0.42
10	378	275	951	86	430.0	4.4	3.2	11.1	0.88	0.64	2.21	0.21	0.17	0.36
11	0	572	873	103	518.0	0.0	5.6	8.5	0.00	1.10	1.68	0.00	0.28	0.36
12	0	438	617	80	400.0	0.0	5.5	7.7	0.00	1.10	1.54	0.00	0.23	0.29

BLUE CRAB INDEX - MONTHLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR=86

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	TOTAL NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	281	129	425	69	345.0	4.1	1.9	6.2	0.81	0.37	1.23	0.19	0.11	0.25
2	348	82	466	71	355.0	4.9	1.2	6.6	0.98	0.23	1.31	0.23	0.08	0.28
3	76	7	89	32	160.0	2.4	0.2	2.9	0.48	0.04	0.56	0.14	0.02	0.15
4	33	0	37	29	145.0	1.1	0.0	1.3	0.23	0.00	0.26	0.07	0.00	0.08
5	0	0	32	30	150.0	0.0	0.0	1.1	0.00	0.00	0.21	0.00	0.00	0.07
6	177	0	205	40	200.0	4.4	0.0	5.1	0.89	0.00	1.02	0.22	0.00	0.25
7	188	0	276	49	245.0	3.8	0.0	5.6	0.77	0.00	1.13	0.21	0.00	0.28
8	926	0	1113	72	360.0	12.9	0.0	15.5	2.57	0.00	3.09	0.37	0.00	0.61
9	1016	0	1384	86	430.0	11.8	0.0	16.1	2.38	0.00	3.22	0.41	0.00	0.68
10	137	294	439	72	360.0	1.9	4.1	9.2	0.38	0.82	1.83	0.12	0.21	0.35
11	0	603	744	97	458.0	0.0	6.2	7.7	0.00	1.86	2.29	0.00	0.35	0.40
12	0	216	932	68	340.0	0.0	3.2	13.7	0.00	0.64	2.74	0.00	0.16	0.42

BIOYEAR=87

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	743	194	1024	75	375.0	9.9	2.6	13.7	1.98	0.52	2.73	0.36	0.15	0.43
2	289	92	442	62	310.0	4.7	1.5	7.1	0.93	0.30	1.43	0.25	0.10	0.32
3	1311	0	1637	76	390.0	17.3	0.0	21.8	3.45	0.00	4.36	0.46	0.00	0.52
9	418	0	1234	86	430.0	4.9	0.0	14.3	0.97	0.00	2.87	0.24	0.00	0.47
10	525	865	1809	91	455.0	5.8	9.5	19.9	1.15	1.90	3.98	0.28	0.37	0.56
11	0	1437	1737	91	455.0	0.0	15.8	19.1	0.00	3.16	3.82	0.00	0.46	0.51
12	0	488	1223	90	450.0	0.0	5.4	13.6	0.00	1.08	2.72	0.00	0.26	0.46

BIOYEAR=88

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	633	257	1002	72	360.0	8.8	3.6	13.9	1.76	0.71	2.78	0.32	0.18	0.41
2	705	208	1055	70	350.0	10.1	3.0	15.1	2.01	0.59	3.01	0.30	0.13	0.37
3	17	10	27	24	120.0	0.7	0.4	1.1	0.14	0.08	0.23	0.05	0.03	0.08
4	27	0	35	33	165.0	0.8	0.0	1.1	0.16	0.00	0.21	0.06	0.00	0.07
5	39	0	48	31	155.0	1.3	0.0	1.5	0.25	0.00	0.31	0.08	0.00	0.09
6	44	0	71	31	155.0	1.4	0.0	2.3	0.28	0.00	0.46	0.10	0.00	0.13
7	297	0	465	54	270.0	5.5	0.0	8.6	1.10	0.00	1.72	0.25	0.00	0.33
8	887	0	1294	71	355.0	12.5	0.0	18.2	2.50	0.00	3.65	0.39	0.00	0.47
9	1142	0	1852	88	440.0	13.0	0.0	21.0	2.60	0.00	4.21	0.42	0.00	0.54
10	689	464	1500	84	420.0	8.2	5.5	17.9	1.64	1.10	3.57	0.34	0.27	0.53
11	0	1461	2789	99	495.0	0.0	14.8	28.2	0.00	2.95	5.63	0.00	0.45	0.62
12	0	346	1962	87	435.0	0.0	4.0	22.6	0.00	0.80	4.51	0.00	0.19	0.53

BIOYEAR=89

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	801	197	1087	84	420.0	9.5	2.3	12.9	1.91	0.47	2.59	0.36	0.14	0.43
2	430	52	530	64	21857	6.5	0.8	8.0	1.30	0.16	1.61	0.27	0.05	0.31
3	147	18	177	36	180.0	4.1	0.5	4.9	0.82	0.10	0.98	0.19	0.04	0.21
4	20	0	26	29	145.0	0.7	0.0	0.9	0.14	0.00	0.18	0.05	0.00	0.06
5	191	0	237	40	200.0	4.8	0.0	5.9	0.95	0.00	1.18	0.23	0.00	0.26
6	600	0	868	47	235.0	12.8	0.0	18.5	2.55	0.00	3.69	0.42	0.00	0.51
7	1013	0	1111	52	260.0	19.5	0.0	21.4	3.90	0.00	4.27	0.51	0.00	0.53
8	2693	0	3058	72	360.0	37.4	0.0	42.5	7.48	0.00	8.49	0.76	0.00	0.80
9	4819	0	4819	98	490.0	23.1	0.0	49.2	4.63	0.00	9.83	0.55	0.00	0.77
10	1097	1112	2777	94	470.0	11.7	11.8	29.5	2.33	2.37	5.91	0.39	0.39	0.62
11	0	1271	3152	94	470.0	0.0	13.5	33.5	0.00	2.70	6.71	0.00	0.45	0.71
12	0	1292	4018	92	460.0	0.0	14.0	43.7	0.00	2.81	8.73	0.00	0.48	0.81

BIOYEAR=90

BIONMONTH	NUMBER AGE 0	NUMBER AGE 1+	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	NUM AGE 1+ / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	NUM AGE 1+ / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	NUM AGE 1+ / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
1	968	313	1474	75	375.0	12.9	4.2	19.7	2.58	0.83	3.93	0.44	0.21	0.54
2	509	509	1604	79	395.0	6.4	6.4	20.3	1.29	1.29	4.06	0.27	0.27	0.51
3	20	26	69	31	155.0	0.6	0.8	2.2	0.13	0.17	0.45	0.05	0.06	0.14



YOY BLUE CRAB INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 0	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAWL MINUTES	NUM AGE 0 / HAUL	TOT NUM / HAUL	NUM AGE 0 / MINUTE	TOT NUM / MINUTE	NUM AGE 0 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	1008	1214	65	942.5	15.5	18.7	1.05	1.27	0.23	0.26
56	568	746	115	1556.5	4.9	6.5	0.36	0.47	0.10	0.13
57	1113	1732	175	2145.0	6.4	9.9	0.48	0.75	0.13	0.17
58	149	274	74	892.5	2.0	3.7	0.16	0.29	0.05	0.09
59	1372	2030	85	1040.0	16.1	23.9	1.15	1.74	0.22	0.28
60	226	272	28	405.0	8.1	9.7	0.59	0.72	0.16	0.20
61	152	284	50	712.0	3.0	5.7	0.21	0.39	0.07	0.12
62	393	551	84	1232.0	4.7	6.6	0.33	0.47	0.10	0.14
63	681	942	136	1870.0	5.0	6.9	0.36	0.51	0.10	0.14
64	1446	1883	170	2306.5	8.7	11.1	0.62	0.79	0.17	0.20
65	1053	1355	158	2175.0	6.7	8.6	0.30	0.65	0.16	0.17
66	983	1490	228	3009.0	4.3	6.5	0.32	0.48	0.09	0.13
67	130	291	173	2203.5	0.8	1.7	0.06	0.14	0.02	0.05
68	7435	8068	357	4628.0	20.8	22.6	1.66	1.81	0.26	0.26
69	766	1784	336	4210.5	2.3	5.3	0.20	0.45	0.06	0.12
70	7957	9566	415	4742.0	18.2	23.1	2.01	2.50	0.28	0.33
71	1732	3759	385	3456.5	4.5	9.8	0.63	1.34	0.16	0.27
72	2415	3030	265	1325.0	9.1	11.4	1.82	2.29	0.33	0.38
73	2157	2868	253	1265.0	8.5	11.3	1.71	2.27	0.30	0.37
74	895	1008	164	820.0	5.5	6.1	1.09	1.25	0.26	0.26
75	1195	1552	302	1510.0	4.0	5.1	0.79	1.03	0.19	0.23
76	1578	2526	268	1340.0	5.9	9.4	1.18	1.89	0.26	0.35
77	1835	3127	277	1385.0	6.6	11.3	1.32	2.26	0.26	0.38
78	2942	5079	326	2001.0	9.0	15.6	1.76	2.99	0.30	0.43
79	1044	2048	316	1580.0	3.3	6.5	0.66	1.30	0.15	0.27
80	9155	14310	469	2349.0	19.5	30.5	3.91	6.12	0.51	0.64
81	2393	6241	483	2407.5	5.0	12.9	1.00	2.59	0.26	0.45
82	5153	7182	456	2276.0	11.3	15.8	2.26	3.15	0.36	0.43
83	11540	13701	515	2573.0	22.0	26.6	4.40	5.32	0.51	0.57
84	6056	8133	394	1968.0	15.4	20.6	3.08	4.13	0.38	0.46
85	2576	4367	441	2205.0	5.8	9.9	1.17	1.98	0.25	0.34
86	3182	4686	550	2750.0	5.8	8.5	1.16	1.70	0.23	0.30
87	3286	6166	390	1950.0	8.4	15.8	1.69	3.16	0.32	0.47
88	4480	7349	558	2790.0	8.0	13.2	1.61	2.63	0.29	0.38
89	9260	14690	618	2185.7	15.0	23.8	3.00	4.75	0.42	0.52
90	1497	3147	185	925.0	8.1	17.0	1.62	3.40	0.30	0.46

AGE 1+ BLUE CRAB INDEX - YEARLY / UNTRANSFORMED AND TRANSFORMED

BIOYEAR	NUMBER AGE 1	TOTAL NUMBER	NUMBER OF HAULS	TOTAL TRAML MINUTES	NUM AGE 1 / HAUL	TOT NUM / HAUL	NUM AGE 1 / MINUTE	TOT NUM / MINUTE	NUM AGE 1 / MINUTE TRANSFORMED	TOT NUM / MINUTE TRANSFORMED
55	34	406	64	960.0	0.5	6.3	0.06	0.42	0.01	0.13
56	91	1202	102	1339.0	0.9	11.6	0.07	0.66	0.03	0.21
57	122	809	110	1357.5	1.1	7.4	0.09	0.58	0.03	0.16
58	41	301	83	1012.5	0.5	3.6	0.04	0.29	0.02	0.09
59	164	1576	66	847.5	2.5	23.9	0.18	1.75	0.06	0.30
60	11	19	9	135.0	1.2	2.1	0.08	0.14	0.03	0.06
61	66	169	41	592.5	1.6	4.1	0.11	0.28	0.04	0.10
62	137	268	57	855.0	2.4	4.7	0.16	0.31	0.05	0.10
63	121	590	105	1372.5	1.2	5.6	0.09	0.43	0.03	0.13
64	367	1384	143	1967.5	2.6	9.7	0.18	0.69	0.05	0.17
65	147	1623	145	1942.5	1.0	11.2	0.08	0.86	0.03	0.21
66	119	813	155	2016.5	0.8	5.2	0.06	0.41	0.02	0.13
67	132	408	143	1789.5	0.9	2.9	0.07	0.23	0.03	0.08
68	1001	4876	245	3163.0	4.1	19.9	0.35	1.60	0.07	0.26
69	702	2292	261	3292.5	2.7	8.8	0.22	0.76	0.07	0.17
70	1385	4857	326	3574.5	4.2	14.9	0.43	1.55	0.12	0.29
71	1121	3520	276	2175.0	4.1	12.8	0.68	1.96	0.15	0.34
72	340	2035	260	1300.0	1.3	7.8	0.26	1.57	0.08	0.31
73	446	1961	252	1260.0	1.8	7.8	0.35	1.56	0.11	0.30
74	40	644	150	750.0	0.3	4.3	0.05	0.66	0.02	0.19
75	293	1210	281	1405.0	1.0	4.3	0.21	0.86	0.07	0.22
76	848	2056	299	1495.0	2.8	6.9	0.57	1.38	0.15	0.30
77	903	3760	310	1550.0	2.9	12.1	0.58	2.43	0.16	0.40
78	1514	3892	350	2120.0	4.3	11.1	0.82	2.10	0.21	0.37
79	1515	3278	390	1950.0	3.9	8.4	0.78	1.68	0.21	0.34
80	3977	11251	465	2327.0	8.6	24.2	1.71	4.86	0.33	0.58
81	2933	5743	502	2496.5	5.8	11.4	1.17	2.30	0.28	0.43
82	2032	4847	481	2395.0	4.2	10.1	0.84	2.01	0.21	0.37
83	1405	8739	493	2463.0	2.8	17.7	0.57	3.55	0.16	0.47
84	1099	4590	405	2023.0	2.7	11.3	0.54	2.27	0.15	0.39
85	1554	3741	351	1758.0	4.4	10.7	0.88	2.13	0.22	0.36
86	1331	3515	409	2018.0	3.3	8.1	0.80	1.80	0.18	0.33
87	3076	6235	409	2045.0	7.5	15.2	1.50	3.05	0.28	0.46
88	2746	8335	436	2180.0	6.3	19.1	1.26	3.82	0.24	0.48
89	3942	11741	466	2185.7	8.5	25.2	1.69	5.04	0.30	0.57
90	848	3147	185	925.0	4.6	17.0	0.92	3.40	0.21	0.46

## Correlations of Virginia and Maryland Juvenile Indices

Alewife	0.068
Catfish	-0.071
Spot	0.648
Weakfish	0.242
Bay Anchovy	-0.131
Summer Flounder	0.192
Striped Bass	0.614
White perch	0.370
Atlantic Silversides	-0.155
Atlantic Croaker	0.223

Table 13

## Croaker

The regression equation is  $AGE1+ = 0.136 + 0.219 YOY$

Predictor	Coef	Stdev	t-ratio	p
Constant	0.13650	0.04329	3.15	0.003
croy	0.2186	0.1551	1.41	0.168
s = 0.1650		R-sq = 5.7%		R-sq(adj) = 2.8%

## Analysis of Variance

SOURCE	DF	SS	MS	F	p
Regression	1	0.05403	0.05403	1.98	0.168
Error	33	0.89832	0.02722		
Total	34	0.95235			

## Summer Flounder

The regression equation is  $AGE1+ = 0.00417 + 0.173 YOY$

Predictor	Coef	Stdev	t-ratio	p
Constant	0.004169	0.002526	1.65	0.109
floy	0.17261	0.02977	5.80	0.000
s = 0.01201		R-sq = 51.2%		R-sq(adj) = 49.7%

## Analysis of Variance

SOURCE	DF	SS	MS	F	p
Regression	1	0.0048468	0.0048468	33.61	0.000
Error	32	0.0046149	0.0001442		
Total	33	0.0094618			

## Spot

The regression equation is  $AGE1+ = 0.0530 + 0.162 YOY$

Predictor	Coef	Stdev	t-ratio	p
Constant	0.05295	0.02383	2.22	0.033
spoy	0.16187	0.05133	3.15	0.003
s = 0.08373		R-sq = 23.7%		R-sq(adj) = 21.3%

## Analysis of Variance

SOURCE	DF	SS	MS	F	p
Regression	1	0.069742	0.069742	9.95	0.003
Error	32	0.224364	0.007011		
Total	33	0.294106			

## Weakfish

The regression equation is  $AGE1+ = 0.0748 + 0.113 YOY$

Predictor	Coef	Stdev	t-ratio	p
Constant	0.07476	0.01976	3.78	0.001
weay	0.11308	0.07113	1.59	0.122
s = 0.06854		R-sq = 7.3%		R-sq(adj) = 4.4%

## Analysis of Variance

SOURCE	DF	SS	MS	F	p
Regression	1	0.011873	0.011873	2.53	0.122
Error	32	0.150327	0.004698		
Total	33	0.162200			

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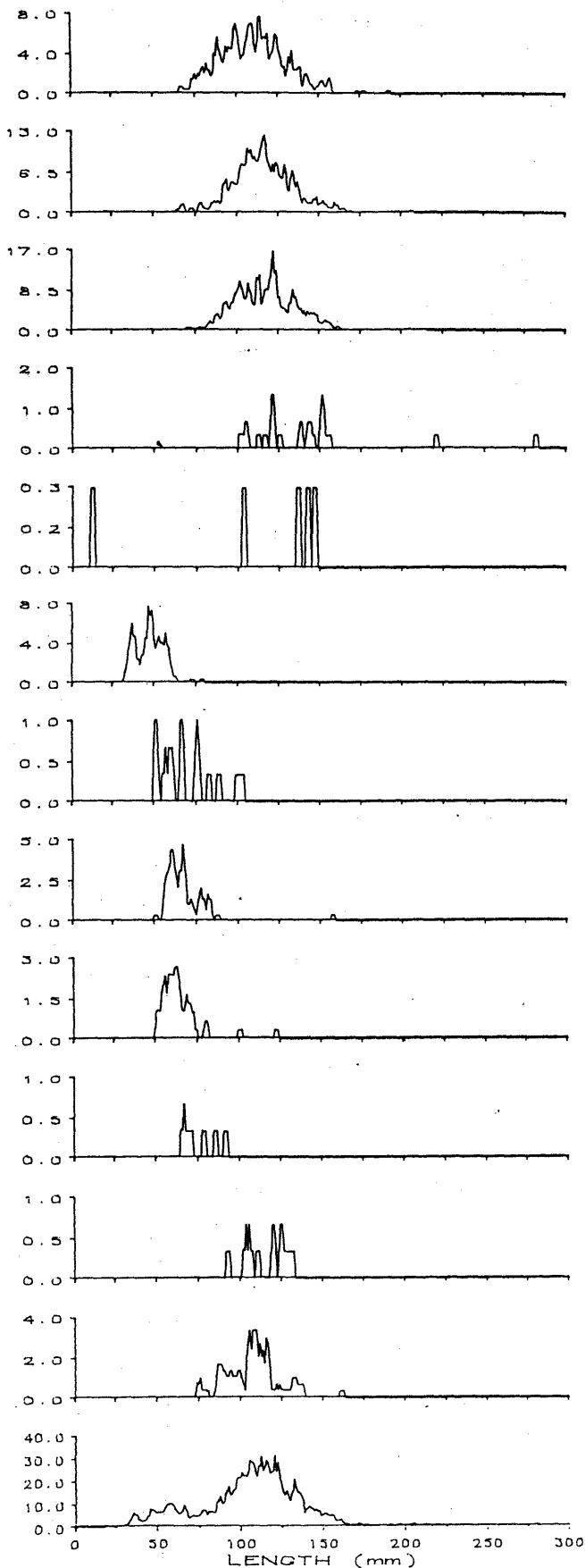
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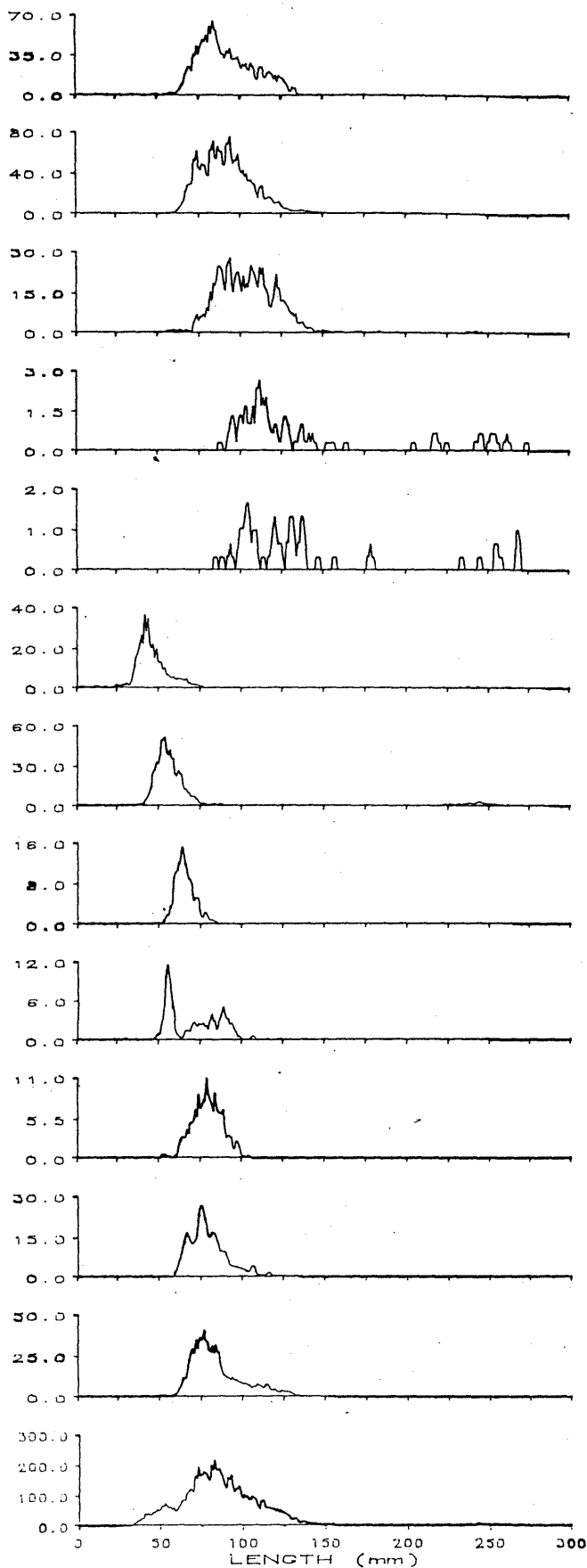
**Figure 1**  
**AMERICAN SHAD**  
**YEARS 1973-1989 POOLED**



<b>JANUARY</b>	730108	-	890117	
NO. COHT.	382	MEAN SIZE	108.2	
NO. MEAS.	290	S.E. SIZE	1.2	
NO. HAULS	1287	MIN. SIZE	64	
CAT./HAUL	0.3	MAX. SIZE	190	
<b>FEBRUARY</b>	730203	-	890218	
NO. COHT.	443	MEAN SIZE	113.6	
NO. MEAS.	386	S.E. SIZE	1	
NO. HAULS	1141	MIN. SIZE	19	
CAT./HAUL	0.4	MAX. SIZE	204	
<b>MARCH</b>	730329	-	890321	
NO. COHT.	671	MEAN SIZE	115.4	
NO. MEAS.	439	S.E. SIZE	0.9	
NO. HAULS	924	MIN. SIZE	68	
CAT./HAUL	0.7	MAX. SIZE	211	
<b>APRIL</b>	730410	-	890418	
NO. COHT.	30	MEAN SIZE	139.4	
NO. MEAS.	22	S.E. SIZE	8.6	
NO. HAULS	393	MIN. SIZE	99	
CAT./HAUL	0.1	MAX. SIZE	279	
<b>MAY</b>	730508	-	890518	
NO. COHT.	14	MEAN SIZE	129.8	
NO. MEAS.	4	S.E. SIZE	9.8	
NO. HAULS	601	MIN. SIZE	101	
CAT./HAUL	0	MAX. SIZE	144	
<b>JUNE</b>	730601	-	890620	
NO. COHT.	128	MEAN SIZE	48.6	
NO. MEAS.	118	S.E. SIZE	3.7	
NO. HAULS	749	MIN. SIZE	30	
CAT./HAUL	0.2	MAX. SIZE	465	
<b>JULY</b>	730709	-	890717	
NO. COHT.	28	MEAN SIZE	67.1	
NO. MEAS.	17	S.E. SIZE	3.9	
NO. HAULS	2373	MIN. SIZE	48	
CAT./HAUL	0	MAX. SIZE	100	
<b>AUGUST</b>	730806	-	890822	
NO. COHT.	86	MEAN SIZE	65.3	
NO. MEAS.	66	S.E. SIZE	1.7	
NO. HAULS	682	MIN. SIZE	48	
CAT./HAUL	0.1	MAX. SIZE	135	
<b>SEPTEMBER</b>	730914	-	890920	
NO. COHT.	49	MEAN SIZE	61.8	
NO. MEAS.	44	S.E. SIZE	1.9	
NO. HAULS	603	MIN. SIZE	48	
CAT./HAUL	0.1	MAX. SIZE	120	
<b>OCTOBER</b>	731010	-	891017	
NO. COHT.	7	MEAN SIZE	74	
NO. MEAS.	6	S.E. SIZE	4.3	
NO. HAULS	813	MIN. SIZE	63	
CAT./HAUL	0	MAX. SIZE	89	
<b>NOVEMBER</b>	781103	-	891122	
NO. COHT.	13	MEAN SIZE	112.6	
NO. MEAS.	11	S.E. SIZE	3.8	
NO. HAULS	485	MIN. SIZE	90	
CAT./HAUL	0	MAX. SIZE	129	
<b>DECEMBER</b>	781218	-	891213	
NO. COHT.	113	MEAN SIZE	104.6	
NO. MEAS.	76	S.E. SIZE	1.8	
NO. HAULS	523	MIN. SIZE	72	
CAT./HAUL	0.2	MAX. SIZE	159	
<b>JAN - DEC</b>	730108	-	891213	
NO. COHT.	1948	MEAN SIZE	103.5	
NO. MEAS.	1477	S.E. SIZE	0.8	
NO. HAULS	10380	MIN. SIZE	19	
CAT./HAUL	0.2	MAX. SIZE	465	

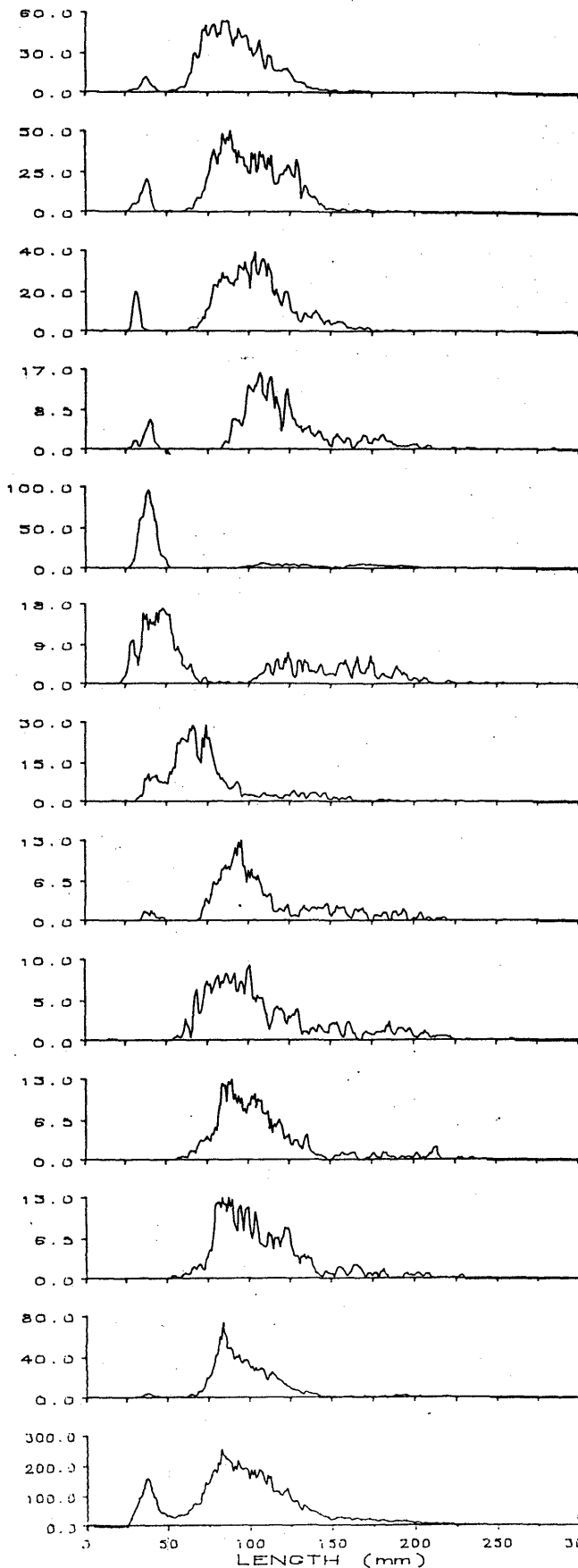


Figure 2  
ALEWIFE  
YEARS 1973-1989 POOLED



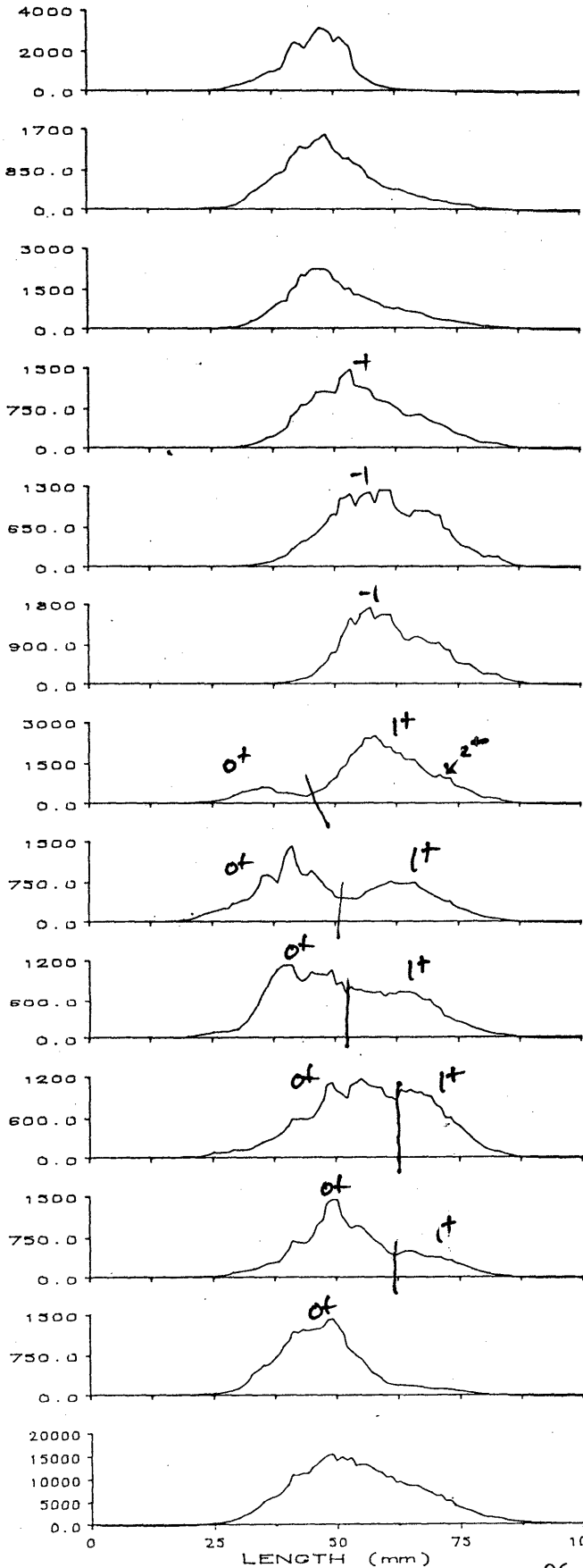
JANUARY	730108	-	890117	
NO. CGHT.	3655		MEAN SIZE	89.9
NO. MEAS.	1985		S.E. SIZE	0.4
NO. HAULS	1287		MIN. SIZE	32
CAT./HAUL	3.1		MAX. SIZE	280
FEBRUARY	730205	-	890218	
NO. CGHT.	3527		MEAN SIZE	90.5
NO. MEAS.	2453		S.E. SIZE	0.4
NO. HAULS	1141		MIN. SIZE	25
CAT./HAUL	3.1		MAX. SIZE	349
MARCH	730329	-	890321	
NO. CGHT.	1941		MEAN SIZE	103.2
NO. MEAS.	1044		S.E. SIZE	0.7
NO. HAULS	924		MIN. SIZE	46
CAT./HAUL	2.1		MAX. SIZE	272
APRIL	730410	-	890418	
NO. CGHT.	95		MEAN SIZE	139.2
NO. MEAS.	73		S.E. SIZE	6.3
NO. HAULS	393		MIN. SIZE	85
CAT./HAUL	0.2		MAX. SIZE	271
MAY	730508	-	890518	
NO. CGHT.	70		MEAN SIZE	139.2
NO. MEAS.	50		S.E. SIZE	7.7
NO. HAULS	801		MIN. SIZE	82
CAT./HAUL	0.1		MAX. SIZE	266
JUNE	730601	-	890620	
NO. CGHT.	532		MEAN SIZE	50.5
NO. MEAS.	496		S.E. SIZE	1.6
NO. HAULS	749		MIN. SIZE	22
CAT./HAUL	0.7		MAX. SIZE	282
JULY	730709	-	890717	
NO. CGHT.	1559		MEAN SIZE	70
NO. MEAS.	850		S.E. SIZE	1.8
NO. HAULS	2375		MIN. SIZE	29
CAT./HAUL	0.7		MAX. SIZE	300
AUGUST	730806	-	890822	
NO. CGHT.	484		MEAN SIZE	67.1
NO. MEAS.	190		S.E. SIZE	1.9
NO. HAULS	682		MIN. SIZE	47
CAT./HAUL	0.7		MAX. SIZE	260
SEPTEMBER	730914	-	890920	
NO. CGHT.	190		MEAN SIZE	69.9
NO. MEAS.	151		S.E. SIZE	1.8
NO. HAULS	605		MIN. SIZE	27
CAT./HAUL	0.3		MAX. SIZE	246
OCTOBER	731010	-	891017	
NO. CGHT.	210		MEAN SIZE	76.7
NO. MEAS.	197		S.E. SIZE	0.7
NO. HAULS	615		MIN. SIZE	50
CAT./HAUL	0.3		MAX. SIZE	102
NOVEMBER	791105	-	891122	
NO. CGHT.	706		MEAN SIZE	77.3
NO. MEAS.	529		S.E. SIZE	0.5
NO. HAULS	485		MIN. SIZE	37
CAT./HAUL	1.5		MAX. SIZE	130
DECEMBER	781218	-	891213	
NO. CGHT.	2213		MEAN SIZE	82.5
NO. MEAS.	1004		S.E. SIZE	0.5
NO. HAULS	523		MIN. SIZE	8
CAT./HAUL	4.2		MAX. SIZE	191
JAN - DEC	730108	-	891213	
NO. CGHT.	15462		MEAN SIZE	85.6
NO. MEAS.	9022		S.E. SIZE	0.3
NO. HAULS	10580		MIN. SIZE	8
CAT./HAUL	1.5		MAX. SIZE	349

Figure 3  
ATLANTIC MENHADEN  
YEARS 1973-1989 POOLED



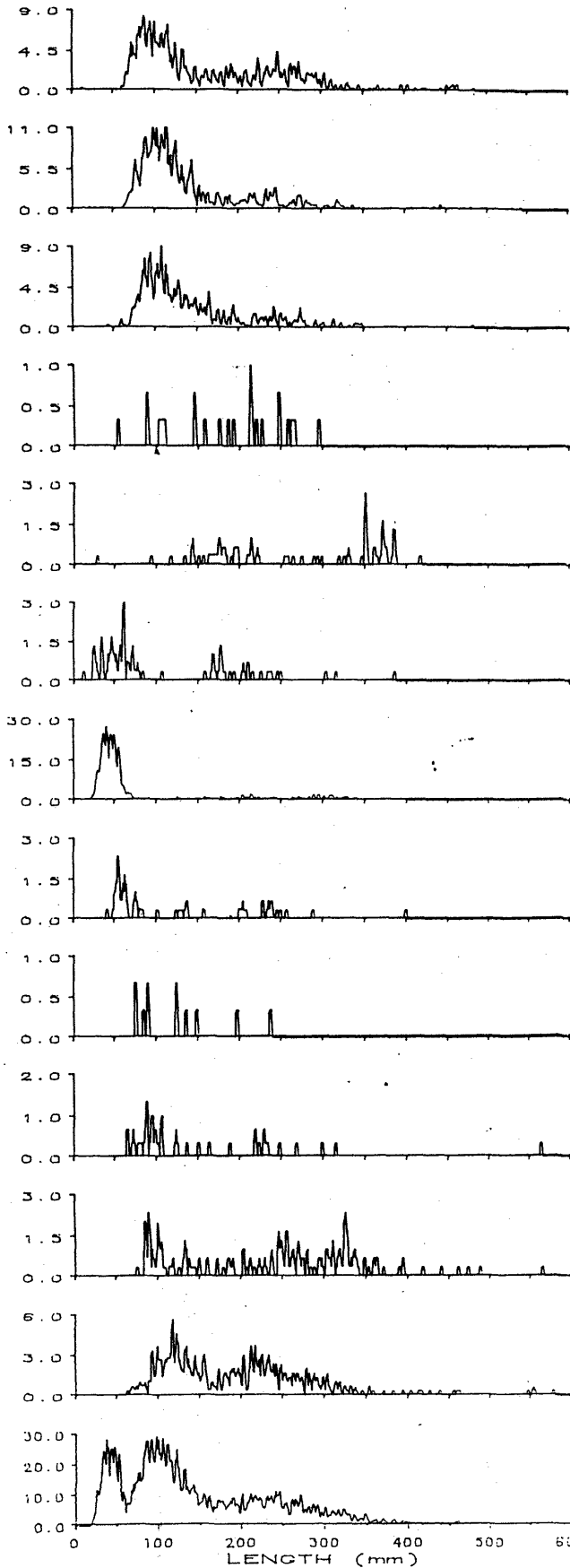
JANUARY	730108	-	890117
NO. CGHT.	19681	MEAN SIZE	90
NO. MEAS.	2433	S.E. SIZE	0.5
NO. HAULS	1287	MIN. SIZE	10
CAT./HAUL	15.3	MAX. SIZE	397
FEBRUARY	730205	-	890218
NO. CGHT.	4798	MEAN SIZE	96.6
NO. MEAS.	2244	S.E. SIZE	0.6
NO. HAULS	1141	MIN. SIZE	23
CAT./HAUL	4.2	MAX. SIZE	228
MARCH	730329	-	890321
NO. CGHT.	11247	MEAN SIZE	99.8
NO. MEAS.	1706	S.E. SIZE	0.7
NO. HAULS	924	MIN. SIZE	24
CAT./HAUL	12.2	MAX. SIZE	270
APRIL	730410	-	890418
NO. CGHT.	769	MEAN SIZE	117.9
NO. MEAS.	651	S.E. SIZE	1.6
NO. HAULS	393	MIN. SIZE	25
CAT./HAUL	2	MAX. SIZE	363
MAY	730508	-	890518
NO. CGHT.	1863	MEAN SIZE	70.7
NO. MEAS.	1478	S.E. SIZE	1.5
NO. HAULS	801	MIN. SIZE	25
CAT./HAUL	3.1	MAX. SIZE	315
JUNE	730601	-	890620
NO. CGHT.	1093	MEAN SIZE	90.2
NO. MEAS.	771	S.E. SIZE	2.1
NO. HAULS	749	MIN. SIZE	20
CAT./HAUL	1.5	MAX. SIZE	295
JULY	730709	-	890717
NO. CGHT.	1713	MEAN SIZE	76.6
NO. MEAS.	1037	S.E. SIZE	1.1
NO. HAULS	2375	MIN. SIZE	13
CAT./HAUL	0.7	MAX. SIZE	268
AUGUST	730806	-	890822
NO. CGHT.	588	MEAN SIZE	108
NO. MEAS.	442	S.E. SIZE	1.8
NO. HAULS	682	MIN. SIZE	9
CAT./HAUL	0.8	MAX. SIZE	272
SEPTEMBER	730914	-	890920
NO. CGHT.	621	MEAN SIZE	108.2
NO. MEAS.	487	S.E. SIZE	1.8
NO. HAULS	605	MIN. SIZE	13
CAT./HAUL	1	MAX. SIZE	257
OCTOBER	731010	-	891017
NO. CGHT.	800	MEAN SIZE	106.3
NO. MEAS.	518	S.E. SIZE	1.5
NO. HAULS	615	MIN. SIZE	20
CAT./HAUL	1.3	MAX. SIZE	240
NOVEMBER	791105	-	891122
NO. CGHT.	1032	MEAN SIZE	105.7
NO. MEAS.	575	S.E. SIZE	1.3
NO. HAULS	485	MIN. SIZE	32
CAT./HAUL	2.1	MAX. SIZE	228
DECEMBER	781218	-	891213
NO. CGHT.	3687	MEAN SIZE	98
NO. MEAS.	1921	S.E. SIZE	0.6
NO. HAULS	523	MIN. SIZE	5
CAT./HAUL	7	MAX. SIZE	245
JAN - DEC	730108	-	891213
NO. CGHT.	47852	MEAN SIZE	93.7
NO. MEAS.	14243	S.E. SIZE	0.5
NO. HAULS	10380	MIN. SIZE	5
CAT./HAUL	4.6	MAX. SIZE	397

Figure 4  
BAY ANCHOVY  
YEARS 1973-1989 POOLED



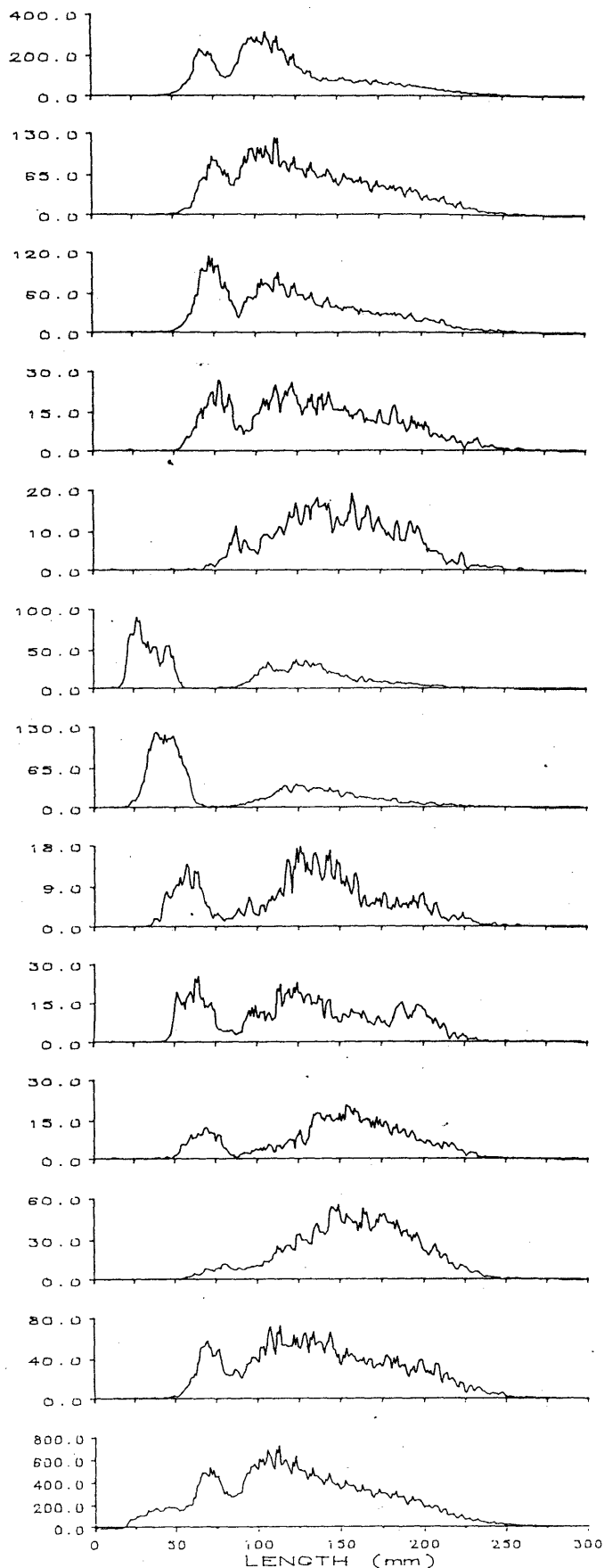
JANUARY	730108	-	890117
NO. COHT.	-333838	MEAN SIZE	- 44.8
NO. MEAS.	- 48043	S.E. SIZE	- 0
NO. HAULS	- 1287	MIN. SIZE	- 11
CAT./HAUL	- 259.2	MAX. SIZE	- 107
FEBRUARY	730205	-	890216
NO. COHT.	-395333	MEAN SIZE	- 48.3
NO. MEAS.	- 32519	S.E. SIZE	- 0.1
NO. HAULS	- 1141	MIN. SIZE	- 17
CAT./HAUL	- 348.5	MAX. SIZE	- 106
MARCH	730329	-	890321
NO. COHT.	-238558	MEAN SIZE	- 50.2
NO. MEAS.	- 47383	S.E. SIZE	- 0.1
NO. HAULS	- 924	MIN. SIZE	- 19
CAT./HAUL	- 258.2	MAX. SIZE	- 103
APRIL	730410	-	890418
NO. COHT.	-108998	MEAN SIZE	- 54
NO. MEAS.	- 31572	S.E. SIZE	- 0.1
NO. HAULS	- 393	MIN. SIZE	- 22
CAT./HAUL	- 277.3	MAX. SIZE	- 396
MAY	730508	-	890518
NO. COHT.	- 91158	MEAN SIZE	- 57.8
NO. MEAS.	- 31702	S.E. SIZE	- 0.1
NO. HAULS	- 801	MIN. SIZE	- 18
CAT./HAUL	- 151.7	MAX. SIZE	- 214
JUNE	730601	-	890620
NO. COHT.	-192434	MEAN SIZE	- 59.9
NO. MEAS.	- 35701	S.E. SIZE	- 0.1
NO. HAULS	- 749	MIN. SIZE	- 6
CAT./HAUL	- 256.9	MAX. SIZE	- 581
JULY	730709	-	890717
NO. COHT.	-245617	MEAN SIZE	- 55.9
NO. MEAS.	- 54500	S.E. SIZE	- 0.1
NO. HAULS	- 2373	MIN. SIZE	- 12
CAT./HAUL	- 103.4	MAX. SIZE	- 195
AUGUST	730806	-	890822
NO. COHT.	-172486	MEAN SIZE	- 48.6
NO. MEAS.	- 33481	S.E. SIZE	- 0.1
NO. HAULS	- 882	MIN. SIZE	- 3
CAT./HAUL	- 252.9	MAX. SIZE	- 188
SEPTEMBER	730914	-	890920
NO. COHT.	-161710	MEAN SIZE	- 49.8
NO. MEAS.	- 34680	S.E. SIZE	- 0.1
NO. HAULS	- 835	MIN. SIZE	- 13
CAT./HAUL	- 267.3	MAX. SIZE	- 600
OCTOBER	731010	-	891017
NO. COHT.	-170487	MEAN SIZE	- 55.1
NO. MEAS.	- 34782	S.E. SIZE	- 0.1
NO. HAULS	- 813	MIN. SIZE	- 6
CAT./HAUL	- 277.2	MAX. SIZE	- 182
NOVEMBER	791105	-	891122
NO. COHT.	-193780	MEAN SIZE	- 51.7
NO. MEAS.	- 27843	S.E. SIZE	- 0.1
NO. HAULS	- 483	MIN. SIZE	- 13
CAT./HAUL	- 398.5	MAX. SIZE	- 215
DECEMBER	781218	-	891213
NO. COHT.	-254852	MEAN SIZE	- 45.9
NO. MEAS.	- 27898	S.E. SIZE	- 0.1
NO. HAULS	- 523	MIN. SIZE	- 4
CAT./HAUL	- 487.3	MAX. SIZE	- 150
JAN - DEC	730108	-	891213
NO. COHT.	2559049	MEAN SIZE	- 51.8
NO. MEAS.	440086	S.E. SIZE	- 0
NO. HAULS	- 10380	MIN. SIZE	- 3
CAT./HAUL	- 248.5	MAX. SIZE	- 600

Figure 5  
 STRIPED BASS  
 YEARS 1973-1989 POOLED



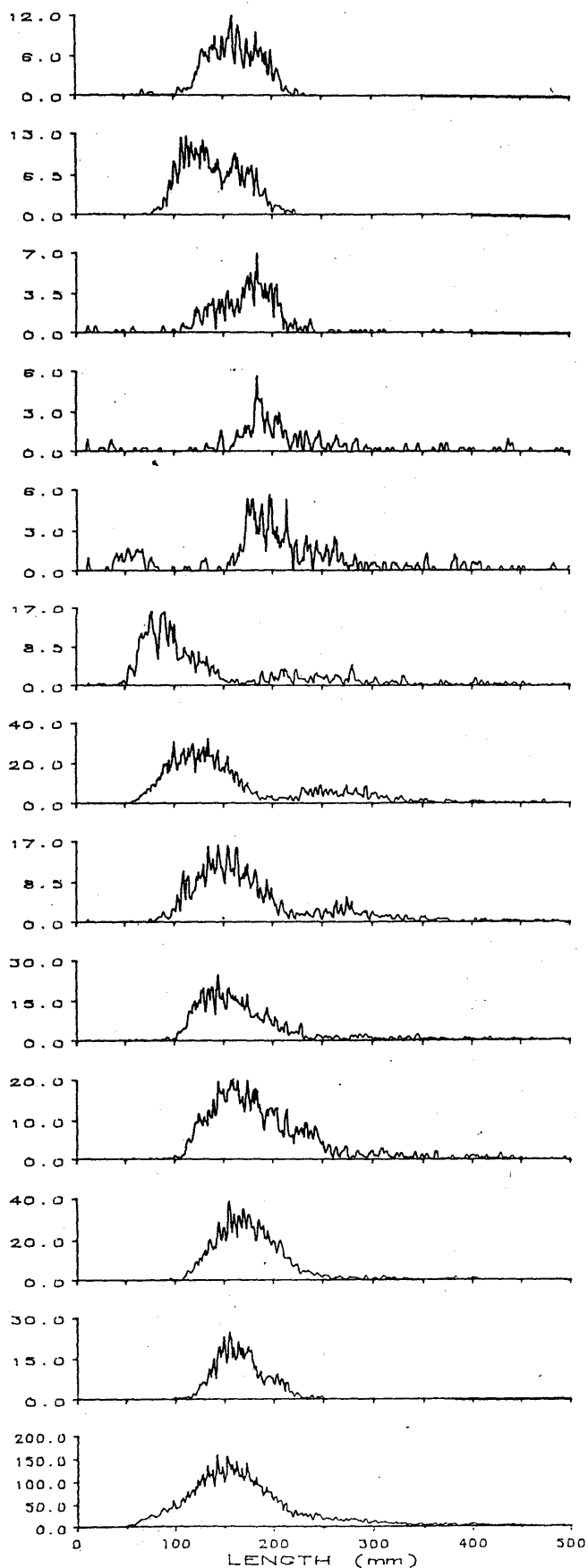
JANUARY	730108	-	890117		
NO. CGHT.	898		MEAN SIZE	-	184.7
NO. MEAS.	659		S.E. SIZE	-	3.5
NO. HAULS	1287		MIN. SIZE	-	38
CAT./HAUL	0.7		MAX. SIZE	-	600
FEBRUARY	730205	-	890218		
NO. CGHT.	884		MEAN SIZE	-	140.9
NO. MEAS.	697		S.E. SIZE	-	2.8
NO. HAULS	1141		MIN. SIZE	-	19
CAT./HAUL	0.8		MAX. SIZE	-	642
MARCH	730329	-	890321		
NO. CGHT.	677		MEAN SIZE	-	141
NO. MEAS.	496		S.E. SIZE	-	2.9
NO. HAULS	924		MIN. SIZE	-	40
CAT./HAUL	0.7		MAX. SIZE	-	478
APRIL	730410	-	890418		
NO. CGHT.	31		MEAN SIZE	-	180.5
NO. MEAS.	23		S.E. SIZE	-	14.2
NO. HAULS	393		MIN. SIZE	-	51
CAT./HAUL	0.1		MAX. SIZE	-	292
MAY	730508	-	890518		
NO. CGHT.	87		MEAN SIZE	-	264.1
NO. MEAS.	69		S.E. SIZE	-	11.6
NO. HAULS	601		MIN. SIZE	-	26
CAT./HAUL	0.1		MAX. SIZE	-	413
JUNE	730601	-	890620		
NO. CGHT.	95		MEAN SIZE	-	105.9
NO. MEAS.	74		S.E. SIZE	-	9.7
NO. HAULS	749		MIN. SIZE	-	21
CAT./HAUL	0.1		MAX. SIZE	-	382
JULY	730709	-	890717		
NO. CGHT.	972		MEAN SIZE	-	77.9
NO. MEAS.	742		S.E. SIZE	-	3.2
NO. HAULS	2375		MIN. SIZE	-	19
CAT./HAUL	0.4		MAX. SIZE	-	632
AUGUST	730806	-	890822		
NO. CGHT.	67		MEAN SIZE	-	122.5
NO. MEAS.	51		S.E. SIZE	-	12
NO. HAULS	682		MIN. SIZE	-	38
CAT./HAUL	0.1		MAX. SIZE	-	396
SEPTEMBER	730914	-	890920		
NO. CGHT.	16		MEAN SIZE	-	122.2
NO. MEAS.	11		S.E. SIZE	-	15.8
NO. HAULS	605		MIN. SIZE	-	72
CAT./HAUL	0		MAX. SIZE	-	234
OCTOBER	731010	-	891017		
NO. CGHT.	51		MEAN SIZE	-	149.3
NO. MEAS.	38		S.E. SIZE	-	16.1
NO. HAULS	613		MIN. SIZE	-	62
CAT./HAUL	0.1		MAX. SIZE	-	561
NOVEMBER	791105	-	891122		
NO. CGHT.	202		MEAN SIZE	-	233.2
NO. MEAS.	155		S.E. SIZE	-	8.3
NO. HAULS	485		MIN. SIZE	-	72
CAT./HAUL	0.4		MAX. SIZE	-	562
DECEMBER	781218	-	891213		
NO. CGHT.	543		MEAN SIZE	-	191.5
NO. MEAS.	428		S.E. SIZE	-	4.2
NO. HAULS	523		MIN. SIZE	-	60
CAT./HAUL	1		MAX. SIZE	-	575
JAN - DEC	730108	-	891213		
NO. CGHT.	4521		MEAN SIZE	-	144.1
NO. MEAS.	3443		S.E. SIZE	-	1.6
NO. HAULS	10380		MIN. SIZE	-	19
CAT./HAUL	0.4		MAX. SIZE	-	642

Figure 6  
WHITE PERCH  
YEARS 1973-1989 POOLED



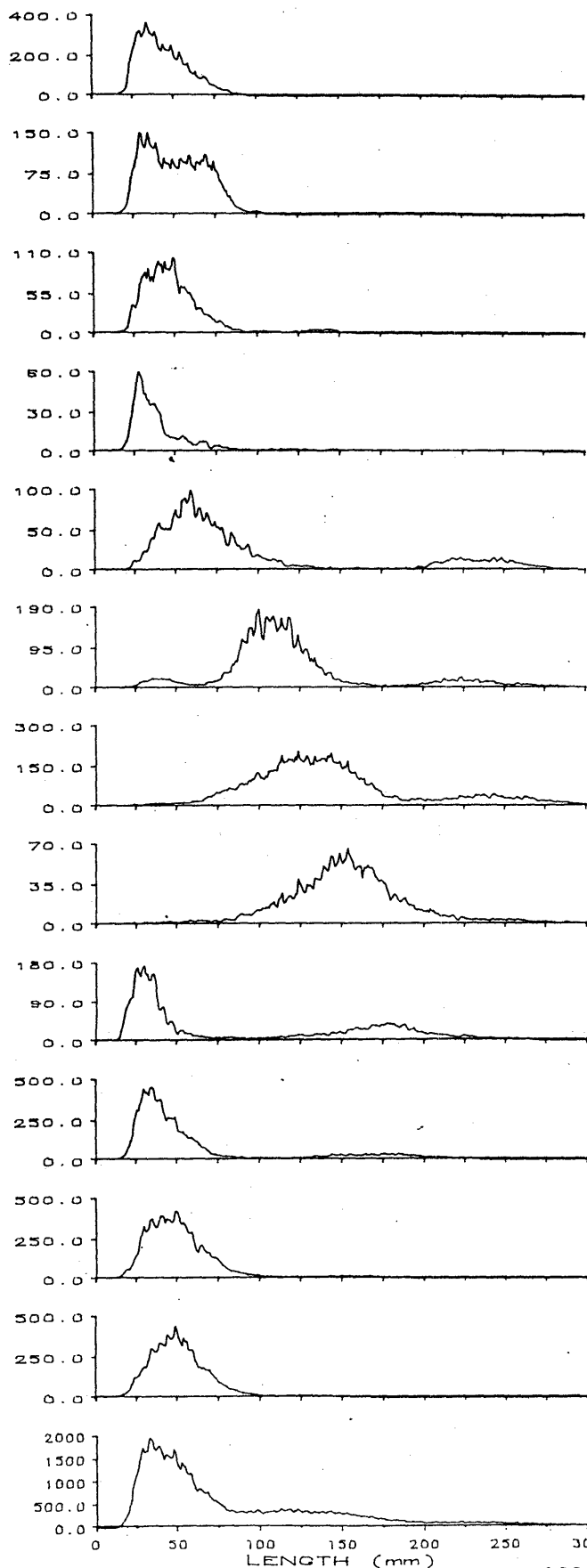
JANUARY	730108	-	890117
NO. CGHT.	97874	MEAN SIZE	118.6
NO. MEAS.	20490	S.E. SIZE	0.3
NO. HAULS	1287	MIN. SIZE	11
CAT./HAUL	76	MAX. SIZE	862
FEBRUARY	730205	-	890216
NO. CGHT.	40902	MEAN SIZE	129.4
NO. MEAS.	9839	S.E. SIZE	0.5
NO. HAULS	1141	MIN. SIZE	4
CAT./HAUL	35.8	MAX. SIZE	725
MARCH	730329	-	890321
NO. CGHT.	20247	MEAN SIZE	120.1
NO. MEAS.	7599	S.E. SIZE	0.5
NO. HAULS	924	MIN. SIZE	10
CAT./HAUL	21.9	MAX. SIZE	385
APRIL	730410	-	890418
NO. CGHT.	2839	MEAN SIZE	131.4
NO. MEAS.	2322	S.E. SIZE	1
NO. HAULS	393	MIN. SIZE	19
CAT./HAUL	7.2	MAX. SIZE	280
MAY	730508	-	890518
NO. CGHT.	2918	MEAN SIZE	147
NO. MEAS.	1442	S.E. SIZE	1
NO. HAULS	801	MIN. SIZE	48
CAT./HAUL	4.9	MAX. SIZE	270
JUNE	730601	-	890620
NO. CGHT.	5238	MEAN SIZE	87.5
NO. MEAS.	3729	S.E. SIZE	0.9
NO. HAULS	749	MIN. SIZE	14
CAT./HAUL	7	MAX. SIZE	368
JULY	730709	-	890717
NO. CGHT.	9244	MEAN SIZE	86.2
NO. MEAS.	5303	S.E. SIZE	0.8
NO. HAULS	2375	MIN. SIZE	16
CAT./HAUL	3.9	MAX. SIZE	731
AUGUST	730806	-	890822
NO. CGHT.	3385	MEAN SIZE	125.8
NO. MEAS.	1316	S.E. SIZE	1.4
NO. HAULS	682	MIN. SIZE	32
CAT./HAUL	5	MAX. SIZE	274
SEPTEMBER	730914	-	890920
NO. CGHT.	6836	MEAN SIZE	125.5
NO. MEAS.	2017	S.E. SIZE	1.1
NO. HAULS	603	MIN. SIZE	41
CAT./HAUL	11.3	MAX. SIZE	290
OCTOBER	731010	-	891017
NO. CGHT.	2208	MEAN SIZE	143.1
NO. MEAS.	1573	S.E. SIZE	1.2
NO. HAULS	615	MIN. SIZE	12
CAT./HAUL	3.6	MAX. SIZE	346
NOVEMBER	791103	-	891122
NO. CGHT.	7349	MEAN SIZE	154.5
NO. MEAS.	4206	S.E. SIZE	0.6
NO. HAULS	485	MIN. SIZE	25
CAT./HAUL	15.2	MAX. SIZE	305
DECEMBER	781218	-	891213
NO. CGHT.	20797	MEAN SIZE	135
NO. MEAS.	6819	S.E. SIZE	0.6
NO. HAULS	523	MIN. SIZE	7
CAT./HAUL	39.8	MAX. SIZE	308
JAN - DEC	730108	-	891213
NO. CGHT.	219837	MEAN SIZE	121.4
NO. MEAS.	86653	S.E. SIZE	0.2
NO. HAULS	10380	MIN. SIZE	4
CAT./HAUL	21.2	MAX. SIZE	862

Figure 7  
SUMMER FLOUNDER  
YEARS 1973-1989 POOLED



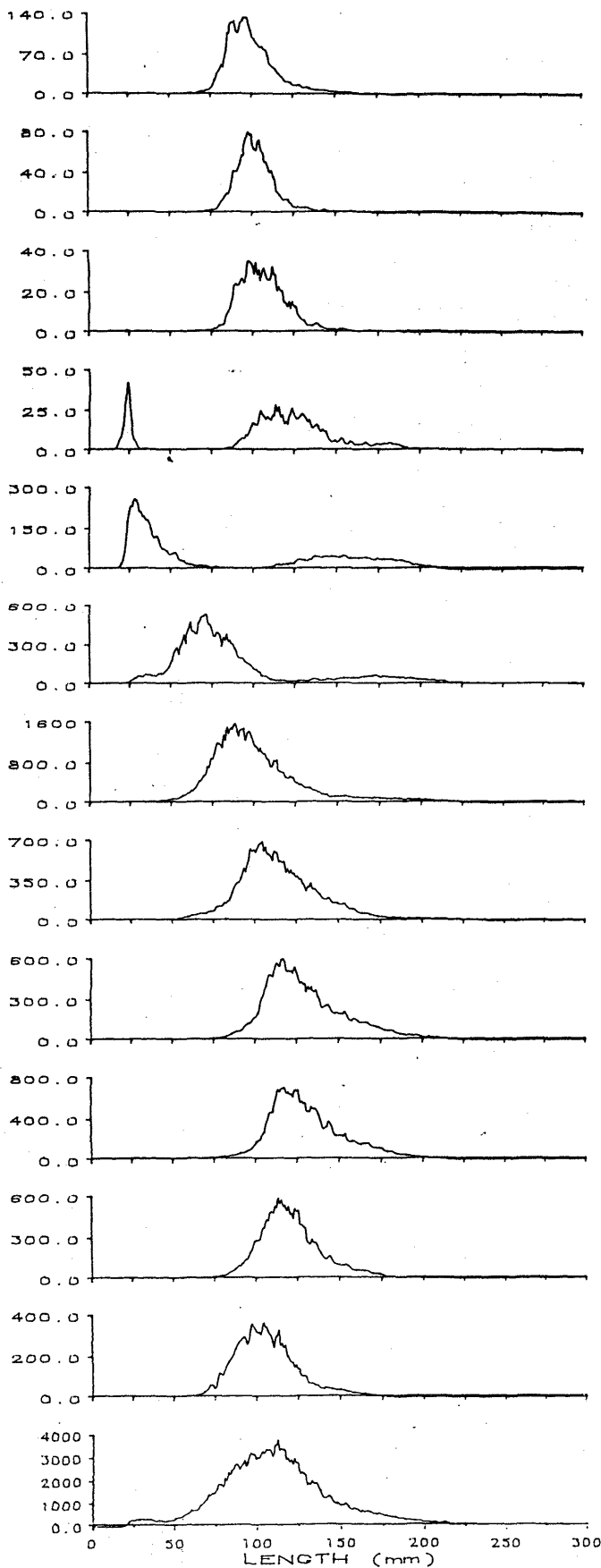
JANUARY	730108	-	890117
NO. CGHT.	755	MEAN SIZE	157.4
NO. MEAS.	806	S.E. SIZE	1.3
NO. HAULS	1287	MIN. SIZE	10
CAT./HAUL	0.6	MAX. SIZE	347
FEBRUARY	730205	-	890218
NO. CGHT.	939	MEAN SIZE	137.2
NO. MEAS.	799	S.E. SIZE	1.2
NO. HAULS	1141	MIN. SIZE	17
CAT./HAUL	0.8	MAX. SIZE	398
MARCH	730329	-	890321
NO. CGHT.	472	MEAN SIZE	172.4
NO. MEAS.	306	S.E. SIZE	2.6
NO. HAULS	924	MIN. SIZE	17
CAT./HAUL	0.3	MAX. SIZE	398
APRIL	730410	-	890418
NO. CGHT.	285	MEAN SIZE	218.2
NO. MEAS.	214	S.E. SIZE	8
NO. HAULS	393	MIN. SIZE	22
CAT./HAUL	0.7	MAX. SIZE	528
MAY	730508	-	890518
NO. CGHT.	423	MEAN SIZE	207.3
NO. MEAS.	354	S.E. SIZE	4.8
NO. HAULS	801	MIN. SIZE	28
CAT./HAUL	0.7	MAX. SIZE	528
JUNE	730601	-	890620
NO. CGHT.	1370	MEAN SIZE	148.1
NO. MEAS.	1070	S.E. SIZE	3.1
NO. HAULS	749	MIN. SIZE	9
CAT./HAUL	1.8	MAX. SIZE	578
JULY	730709	-	890717
NO. CGHT.	3753	MEAN SIZE	188.8
NO. MEAS.	2747	S.E. SIZE	1.7
NO. HAULS	2373	MIN. SIZE	22
CAT./HAUL	1.8	MAX. SIZE	680
AUGUST	730806	-	890822
NO. CGHT.	1510	MEAN SIZE	184.1
NO. MEAS.	1306	S.E. SIZE	2.2
NO. HAULS	682	MIN. SIZE	33
CAT./HAUL	2.2	MAX. SIZE	345
SEPTEMBER	730914	-	890920
NO. CGHT.	2177	MEAN SIZE	179.4
NO. MEAS.	1612	S.E. SIZE	1.9
NO. HAULS	803	MIN. SIZE	10
CAT./HAUL	3.6	MAX. SIZE	583
OCTOBER	731010	-	891017
NO. CGHT.	2588	MEAN SIZE	193.1
NO. MEAS.	1776	S.E. SIZE	1.7
NO. HAULS	813	MIN. SIZE	33
CAT./HAUL	4.2	MAX. SIZE	613
NOVEMBER	791105	-	891122
NO. CGHT.	3938	MEAN SIZE	178.8
NO. MEAS.	2416	S.E. SIZE	1
NO. HAULS	483	MIN. SIZE	42
CAT./HAUL	8.1	MAX. SIZE	583
DECEMBER	781218	-	891213
NO. CGHT.	1662	MEAN SIZE	165.9
NO. MEAS.	1188	S.E. SIZE	0.9
NO. HAULS	523	MIN. SIZE	33
CAT./HAUL	3.2	MAX. SIZE	377
JAN - DEC	730108	-	891213
NO. CGHT.	19852	MEAN SIZE	173.8
NO. MEAS.	14394	S.E. SIZE	0.6
NO. HAULS	10380	MIN. SIZE	9
CAT./HAUL	1.9	MAX. SIZE	680

Figure 8  
ATLANTIC CROAKER  
YEARS 1973-1989 POOLED



JANUARY	730108	-	890117	
NO. CGHT.	63902		MEAN SIZE	41.7
NO. MEAS.	10914		S.E. SIZE	0.1
NO. HAULS	1287		MIN. SIZE	6
CAT./HAUL	49.7		MAX. SIZE	181
FEBRUARY	730205	-	890216	
NO. CGHT.	26321		MEAN SIZE	48.6
NO. MEAS.	6062		S.E. SIZE	0.2
NO. HAULS	1141		MIN. SIZE	14
CAT./HAUL	23.1		MAX. SIZE	243
MARCH	730329	-	890321	
NO. CGHT.	23802		MEAN SIZE	47.4
NO. MEAS.	3452		S.E. SIZE	0.4
NO. HAULS	924		MIN. SIZE	13
CAT./HAUL	25.8		MAX. SIZE	153
APRIL	730410	-	890418	
NO. CGHT.	1792		MEAN SIZE	42.9
NO. MEAS.	1208		S.E. SIZE	0.9
NO. HAULS	393		MIN. SIZE	13
CAT./HAUL	4.8		MAX. SIZE	275
MAY	730508	-	890516	
NO. CGHT.	7018		MEAN SIZE	91.8
NO. MEAS.	4736		S.E. SIZE	1
NO. HAULS	601		MIN. SIZE	13
CAT./HAUL	11.7		MAX. SIZE	338
JUNE	730601	-	890620	
NO. CGHT.	12585		MEAN SIZE	117.4
NO. MEAS.	8613		S.E. SIZE	0.5
NO. HAULS	749		MIN. SIZE	13
CAT./HAUL	16.8		MAX. SIZE	349
JULY	730709	-	890717	
NO. CGHT.	34137		MEAN SIZE	146
NO. MEAS.	16147		S.E. SIZE	0.4
NO. HAULS	2375		MIN. SIZE	20
CAT./HAUL	14.4		MAX. SIZE	584
AUGUST	730806	-	890822	
NO. CGHT.	5695		MEAN SIZE	152.4
NO. MEAS.	3894		S.E. SIZE	0.6
NO. HAULS	682		MIN. SIZE	17
CAT./HAUL	8.4		MAX. SIZE	353
SEPTEMBER	730914	-	890920	
NO. CGHT.	22787		MEAN SIZE	83.9
NO. MEAS.	6029		S.E. SIZE	0.9
NO. HAULS	605		MIN. SIZE	10
CAT./HAUL	37.7		MAX. SIZE	343
OCTOBER	731010	-	891017	
NO. CGHT.	30503		MEAN SIZE	56.8
NO. MEAS.	14474		S.E. SIZE	0.4
NO. HAULS	615		MIN. SIZE	8
CAT./HAUL	82.1		MAX. SIZE	373
NOVEMBER	791105	-	891122	
NO. CGHT.	48537		MEAN SIZE	50
NO. MEAS.	16216		S.E. SIZE	0.2
NO. HAULS	483		MIN. SIZE	7
CAT./HAUL	98		MAX. SIZE	243
DECEMBER	781218	-	891213	
NO. CGHT.	49327		MEAN SIZE	50
NO. MEAS.	14693		S.E. SIZE	0.2
NO. HAULS	323		MIN. SIZE	7
CAT./HAUL	94.7		MAX. SIZE	348
JAN - DEC	730108	-	891213	
NO. CGHT.	344806		MEAN SIZE	77.4
NO. MEAS.	106438		S.E. SIZE	0.2
NO. HAULS	10380		MIN. SIZE	6
CAT./HAUL	33.2		MAX. SIZE	584

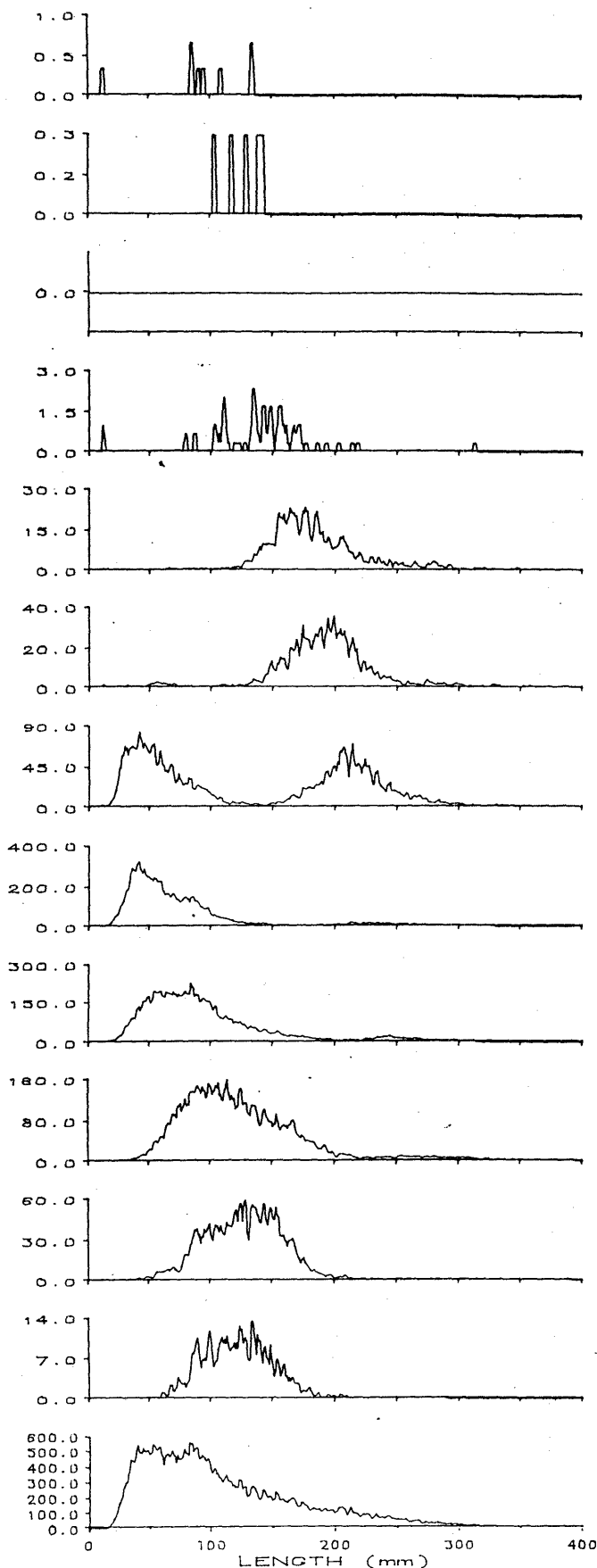
Figure 9  
 SPOT  
 YEARS 1973-1989 POOLED



JANUARY	730108	-	890117
NO. COHT.	6834	MEAN SIZE	98
NO. MEAS.	3920	S.E. SIZE	0.3
NO. HAULS	1287	MIN. SIZE	14
CAT./HAUL	5.3	MAX. SIZE	224
FEBRUARY	730205	-	890218
NO. COHT.	2204	MEAN SIZE	100.1
NO. MEAS.	1836	S.E. SIZE	0.3
NO. HAULS	1141	MIN. SIZE	68
CAT./HAUL	1.9	MAX. SIZE	184
MARCH	730329	-	890321
NO. COHT.	3403	MEAN SIZE	103.9
NO. MEAS.	1102	S.E. SIZE	0.5
NO. HAULS	924	MIN. SIZE	11
CAT./HAUL	3.7	MAX. SIZE	188
APRIL	730410	-	890418
NO. COHT.	5832	MEAN SIZE	108.2
NO. MEAS.	1351	S.E. SIZE	1.2
NO. HAULS	393	MIN. SIZE	15
CAT./HAUL	14.8	MAX. SIZE	276
MAY	730508	-	890518
NO. COHT.	30757	MEAN SIZE	78.9
NO. MEAS.	7820	S.E. SIZE	0.7
NO. HAULS	801	MIN. SIZE	11
CAT./HAUL	31.2	MAX. SIZE	285
JUNE	730601	-	890620
NO. COHT.	109581	MEAN SIZE	86.1
NO. MEAS.	22403	S.E. SIZE	0.3
NO. HAULS	749	MIN. SIZE	17
CAT./HAUL	148.3	MAX. SIZE	300
JULY	730709	-	890717
NO. COHT.	203764	MEAN SIZE	98.9
NO. MEAS.	70233	S.E. SIZE	0.1
NO. HAULS	2375	MIN. SIZE	1
CAT./HAUL	85.8	MAX. SIZE	383
AUGUST	730806	-	890822
NO. COHT.	74473	MEAN SIZE	112.9
NO. MEAS.	30768	S.E. SIZE	0.1
NO. HAULS	882	MIN. SIZE	18
CAT./HAUL	109.2	MAX. SIZE	280
SEPTEMBER	730914	-	890920
NO. COHT.	55016	MEAN SIZE	127.8
NO. MEAS.	25183	S.E. SIZE	0.2
NO. HAULS	805	MIN. SIZE	24
CAT./HAUL	90.9	MAX. SIZE	294
OCTOBER	731010	-	891017
NO. COHT.	65058	MEAN SIZE	128
NO. MEAS.	29286	S.E. SIZE	0.1
NO. HAULS	815	MIN. SIZE	11
CAT./HAUL	105.8	MAX. SIZE	387
NOVEMBER	791105	-	891122
NO. COHT.	112055	MEAN SIZE	118.8
NO. MEAS.	20851	S.E. SIZE	0.1
NO. HAULS	485	MIN. SIZE	13
CAT./HAUL	231	MAX. SIZE	301
DECEMBER	781218	-	891213
NO. COHT.	87949	MEAN SIZE	103.3
NO. MEAS.	14067	S.E. SIZE	0.2
NO. HAULS	523	MIN. SIZE	19
CAT./HAUL	188.2	MAX. SIZE	230
JAN - DEC	730108	-	891213
NO. COHT.	1756904	MEAN SIZE	107.9
NO. MEAS.	228800	S.E. SIZE	0.1
NO. HAULS	10380	MIN. SIZE	1
CAT./HAUL	72.9	MAX. SIZE	387

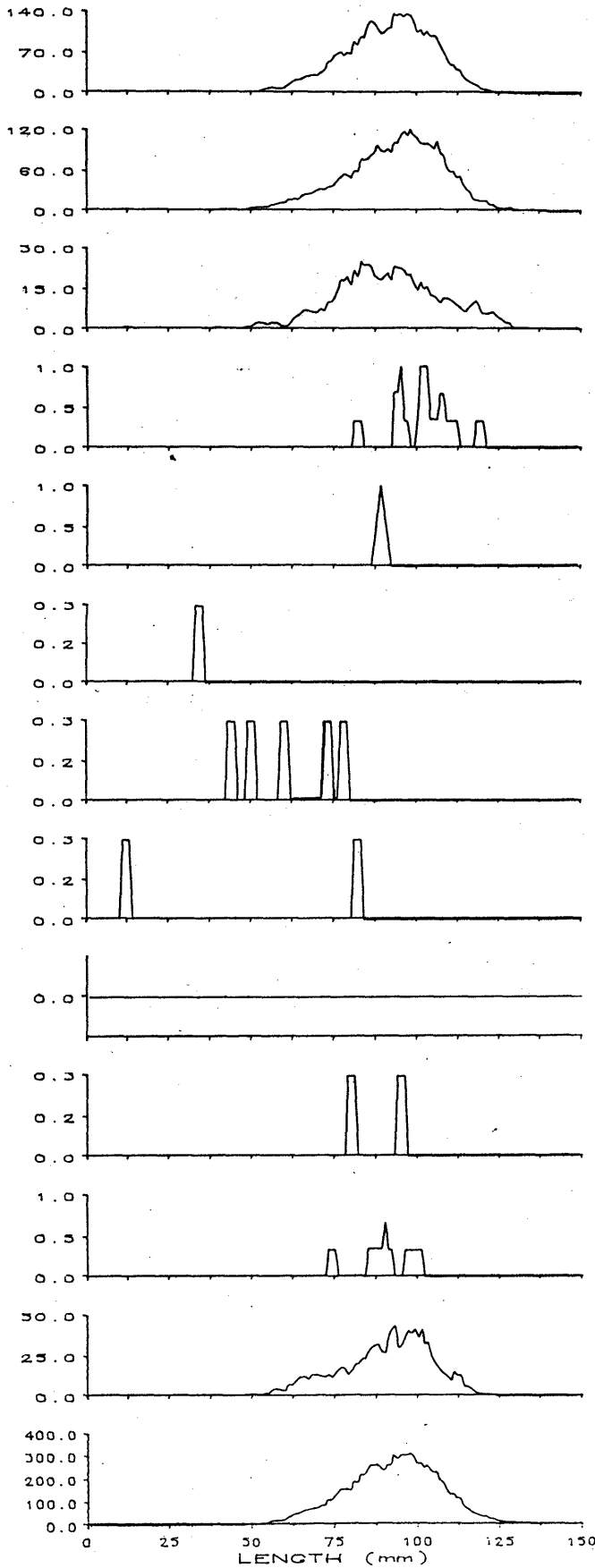


Figure 10  
WEAKFISH  
YEARS 1973-1989 POOLED



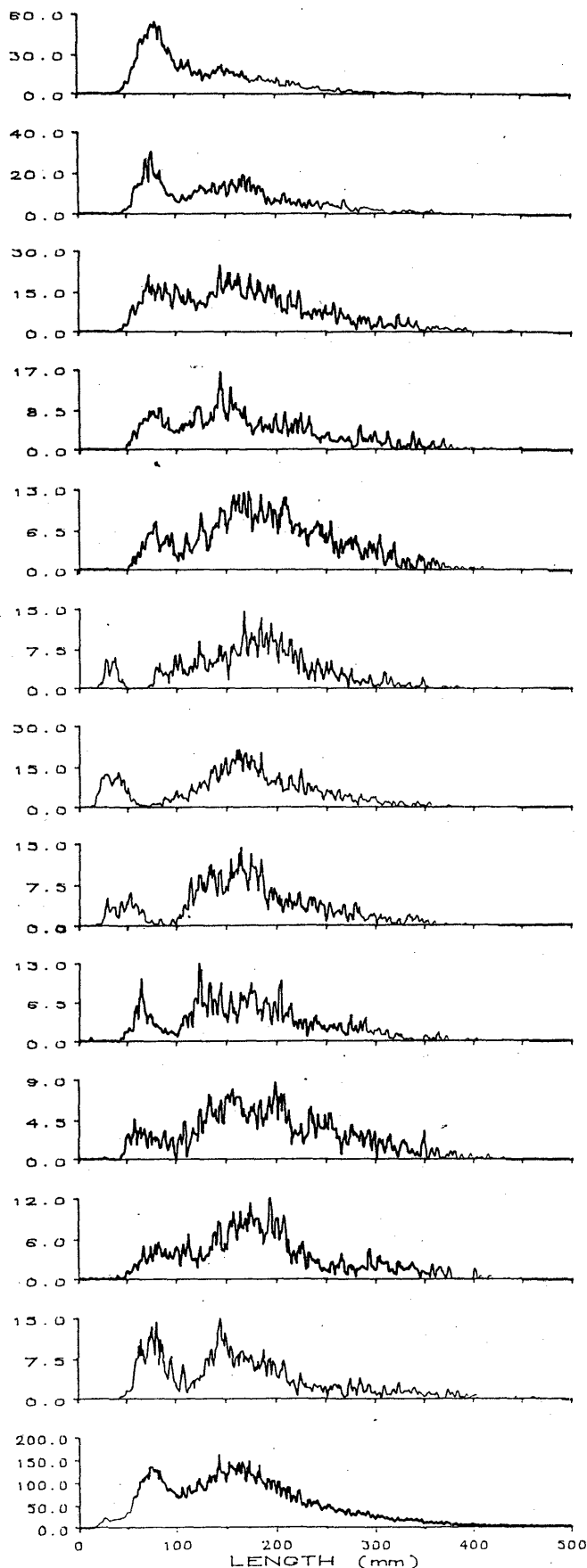
<b>JANUARY</b>	730108	-	890117	
NO. CGHT.	13		MEAN SIZE	102
NO. MEAS.	7		S.E. SIZE	8.2
NO. HAULS	1287		MIN. SIZE	82
CAT./HAUL	0		MAX. SIZE	132
<b>FEBRUARY</b>	730205	-	890218	
NO. CGHT.	11		MEAN SIZE	177.5
NO. MEAS.	6		S.E. SIZE	53.8
NO. HAULS	1141		MIN. SIZE	101
CAT./HAUL	0		MAX. SIZE	445
<b>MARCH</b>	730329	-	890321	
NO. CGHT.	0		MEAN SIZE	.
NO. MEAS.	0		S.E. SIZE	.
NO. HAULS	924		MIN. SIZE	.
CAT./HAUL	0		MAX. SIZE	.
<b>APRIL</b>	730410	-	890418	
NO. CGHT.	442		MEAN SIZE	141.2
NO. MEAS.	68		S.E. SIZE	4.4
NO. HAULS	393		MIN. SIZE	76
CAT./HAUL	1.1		MAX. SIZE	310
<b>MAY</b>	730508	-	890518	
NO. CGHT.	1492		MEAN SIZE	183.1
NO. MEAS.	1333		S.E. SIZE	1.2
NO. HAULS	601		MIN. SIZE	30
CAT./HAUL	2.5		MAX. SIZE	520
<b>JUNE</b>	730601	-	890620	
NO. CGHT.	2188		MEAN SIZE	191.7
NO. MEAS.	1977		S.E. SIZE	1
NO. HAULS	749		MIN. SIZE	27
CAT./HAUL	2.9		MAX. SIZE	538
<b>JULY</b>	730709	-	890717	
NO. CGHT.	8573		MEAN SIZE	132.5
NO. MEAS.	6968		S.E. SIZE	1.1
NO. HAULS	2375		MIN. SIZE	12
CAT./HAUL	3.6		MAX. SIZE	2192
<b>AUGUST</b>	730806	-	890822	
NO. CGHT.	26302		MEAN SIZE	68.3
NO. MEAS.	15397		S.E. SIZE	0.4
NO. HAULS	682		MIN. SIZE	8
CAT./HAUL	38.6		MAX. SIZE	547
<b>SEPTEMBER</b>	730914	-	890920	
NO. CGHT.	30048		MEAN SIZE	91.5
NO. MEAS.	18638		S.E. SIZE	0.4
NO. HAULS	603		MIN. SIZE	13
CAT./HAUL	49.7		MAX. SIZE	488
<b>OCTOBER</b>	731010	-	891017	
NO. CGHT.	27198		MEAN SIZE	122.4
NO. MEAS.	13756		S.E. SIZE	0.4
NO. HAULS	613		MIN. SIZE	10
CAT./HAUL	44.2		MAX. SIZE	608
<b>NOVEMBER</b>	791103	-	891122	
NO. CGHT.	5878		MEAN SIZE	127.2
NO. MEAS.	4081		S.E. SIZE	0.6
NO. HAULS	485		MIN. SIZE	29
CAT./HAUL	12.1		MAX. SIZE	598
<b>DECEMBER</b>	781218	-	891213	
NO. CGHT.	5085		MEAN SIZE	120
NO. MEAS.	743		S.E. SIZE	1.1
NO. HAULS	523		MIN. SIZE	24
CAT./HAUL	9.7		MAX. SIZE	285
<b>JAN - DEC</b>	730108	-	891213	
NO. CGHT.	107230		MEAN SIZE	105.3
NO. MEAS.	60994		S.E. SIZE	0.3
NO. HAULS	10380		MIN. SIZE	8
CAT./HAUL	10.3		MAX. SIZE	2192

Figure 11  
ATLANTIC SILVERSIDE  
YEARS 1973-1989 POOLED



JANUARY	730103	-	890117	
NO. CGHT.	11759	MEAN SIZE	89.8	
NO. MEAS.	4212	S.E. SIZE	0.2	
NO. HAULS	1287	MIN. SIZE	27	
CAT./HAUL	9.1	MAX. SIZE	193	
FEBRUARY	730203	-	890216	
NO. CGHT.	3926	MEAN SIZE	91.2	
NO. MEAS.	3763	S.E. SIZE	0.2	
NO. HAULS	1141	MIN. SIZE	28	
CAT./HAUL	3.2	MAX. SIZE	190	
MARCH	730329	-	890321	
NO. CGHT.	1806	MEAN SIZE	91.1	
NO. MEAS.	854	S.E. SIZE	1.2	
NO. HAULS	924	MIN. SIZE	2	
CAT./HAUL	1.7	MAX. SIZE	210	
APRIL	730410	-	890418	
NO. CGHT.	13	MEAN SIZE	114.7	
NO. MEAS.	13	S.E. SIZE	13.2	
NO. HAULS	393	MIN. SIZE	80	
CAT./HAUL	0	MAX. SIZE	293	
MAY	730508	-	890516	
NO. CGHT.	13	MEAN SIZE	87	
NO. MEAS.	3	S.E. SIZE	0.6	
NO. HAULS	601	MIN. SIZE	86	
CAT./HAUL	0	MAX. SIZE	88	
JUNE	730601	-	890620	
NO. CGHT.	1	MEAN SIZE	32	
NO. MEAS.	1	S.E. SIZE	.	
NO. HAULS	749	MIN. SIZE	32	
CAT./HAUL	0	MAX. SIZE	32	
JULY	730709	-	890717	
NO. CGHT.	9	MEAN SIZE	39	
NO. MEAS.	3	S.E. SIZE	6.3	
NO. HAULS	2373	MIN. SIZE	42	
CAT./HAUL	0	MAX. SIZE	76	
AUGUST	730806	-	890822	
NO. CGHT.	2	MEAN SIZE	80	
NO. MEAS.	1	S.E. SIZE	.	
NO. HAULS	682	MIN. SIZE	80	
CAT./HAUL	0	MAX. SIZE	80	
SEPTEMBER	730914	-	890920	
NO. CGHT.	2	MEAN SIZE	188	
NO. MEAS.	1	S.E. SIZE	.	
NO. HAULS	603	MIN. SIZE	188	
CAT./HAUL	0	MAX. SIZE	188	
OCTOBER	731010	-	891017	
NO. CGHT.	4	MEAN SIZE	83.3	
NO. MEAS.	2	S.E. SIZE	7.3	
NO. HAULS	613	MIN. SIZE	78	
CAT./HAUL	0	MAX. SIZE	93	
NOVEMBER	791103	-	891122	
NO. CGHT.	8	MEAN SIZE	87.5	
NO. MEAS.	6	S.E. SIZE	3.7	
NO. HAULS	483	MIN. SIZE	72	
CAT./HAUL	0	MAX. SIZE	98	
DECEMBER	781218	-	891213	
NO. CGHT.	2502	MEAN SIZE	88.3	
NO. MEAS.	1176	S.E. SIZE	0.4	
NO. HAULS	323	MIN. SIZE	48	
CAT./HAUL	4.8	MAX. SIZE	120	
JAN - DEC	730108	-	891213	
NO. CGHT.	21847	MEAN SIZE	90.3	
NO. MEAS.	10039	S.E. SIZE	0.2	
NO. HAULS	10380	MIN. SIZE	2	
CAT./HAUL	2.1	MAX. SIZE	310	

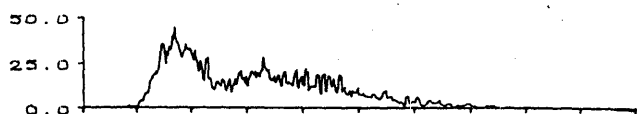
Figure 12  
WHITE CATFISH  
YEARS 1973-1989 POOLED



JANUARY	730108	-	890117
NO. CGHT.	6041	MEAN SIZE	126.6
NO. MEAS.	3801	S.E. SIZE	1.1
NO. HAULS	1287	MIN. SIZE	30
CAT./HAUL	4.7	MAX. SIZE	638
FEBRUARY	730205	-	890218
NO. CGHT.	3607	MEAN SIZE	150.5
NO. MEAS.	2388	S.E. SIZE	1.5
NO. HAULS	1141	MIN. SIZE	23
CAT./HAUL	3.2	MAX. SIZE	650
MARCH	730329	-	890321
NO. CGHT.	4859	MEAN SIZE	167.8
NO. MEAS.	3015	S.E. SIZE	1.4
NO. HAULS	924	MIN. SIZE	18
CAT./HAUL	5.3	MAX. SIZE	660
APRIL	730410	-	890415
NO. CGHT.	2383	MEAN SIZE	169.8
NO. MEAS.	1389	S.E. SIZE	2.1
NO. HAULS	383	MIN. SIZE	20
CAT./HAUL	6.1	MAX. SIZE	443
MAY	730505	-	890518
NO. CGHT.	2479	MEAN SIZE	188.3
NO. MEAS.	1810	S.E. SIZE	1.8
NO. HAULS	601	MIN. SIZE	26
CAT./HAUL	4.1	MAX. SIZE	472
JUNE	730601	-	890620
NO. CGHT.	1882	MEAN SIZE	174.5
NO. MEAS.	1248	S.E. SIZE	2
NO. HAULS	749	MIN. SIZE	18
CAT./HAUL	2.2	MAX. SIZE	473
JULY	730709	-	890717
NO. CGHT.	3697	MEAN SIZE	161.8
NO. MEAS.	2246	S.E. SIZE	1.7
NO. HAULS	2375	MIN. SIZE	11
CAT./HAUL	1.6	MAX. SIZE	580
AUGUST	730806	-	890822
NO. CGHT.	1864	MEAN SIZE	168.2
NO. MEAS.	1302	S.E. SIZE	2.1
NO. HAULS	882	MIN. SIZE	16
CAT./HAUL	2.7	MAX. SIZE	753
SEPTEMBER	730914	-	890920
NO. CGHT.	1819	MEAN SIZE	171
NO. MEAS.	1102	S.E. SIZE	2.3
NO. HAULS	605	MIN. SIZE	35
CAT./HAUL	2.7	MAX. SIZE	523
OCTOBER	731010	-	891017
NO. CGHT.	1759	MEAN SIZE	189
NO. MEAS.	1062	S.E. SIZE	2.4
NO. HAULS	615	MIN. SIZE	24
CAT./HAUL	2.9	MAX. SIZE	520
NOVEMBER	791105	-	891122
NO. CGHT.	1646	MEAN SIZE	184.2
NO. MEAS.	1223	S.E. SIZE	2.2
NO. HAULS	485	MIN. SIZE	32
CAT./HAUL	3.4	MAX. SIZE	444
DECEMBER	781218	-	891213
NO. CGHT.	1908	MEAN SIZE	165.2
NO. MEAS.	1399	S.E. SIZE	2.3
NO. HAULS	523	MIN. SIZE	41
CAT./HAUL	3.6	MAX. SIZE	508
JAN - DEC	730108	-	891213
NO. CGHT.	33344	MEAN SIZE	162.1
NO. MEAS.	21785	S.E. SIZE	0.5
NO. HAULS	10380	MIN. SIZE	11
CAT./HAUL	3.2	MAX. SIZE	753

Figure 13

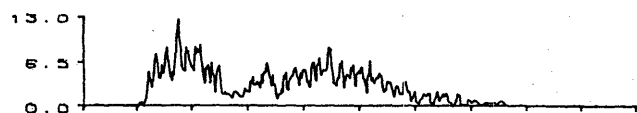
CHANNEL CATFISH  
YEARS 1973-1989 POOLED



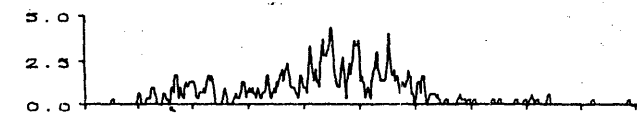
JANUARY		730108	-	890117
NO. COHT.	-	6446	MEAN SIZE	- 155.2
NO. MEAS.	-	4073	S.E. SIZE	- 1.2
NO. HAULS	-	1287	MIN. SIZE	- 30
CAT./HAUL	-	3	MAX. SIZE	- 320



FEBRUARY		730205	-	890218
NO. COHT.	-	7179	MEAN SIZE	- 148.7
NO. MEAS.	-	3386	S.E. SIZE	- 1.4
NO. HAULS	-	1141	MIN. SIZE	- 38
CAT./HAUL	-	6.3	MAX. SIZE	- 333



MARCH		730329	-	890321
NO. COHT.	-	1419	MEAN SIZE	- 178.7
NO. MEAS.	-	1110	S.E. SIZE	- 2.6
NO. HAULS	-	924	MIN. SIZE	- 30
CAT./HAUL	-	1.3	MAX. SIZE	- 607



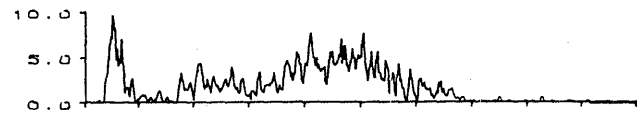
APRIL		730410	-	890418
NO. COHT.	-	425	MEAN SIZE	- 214.9
NO. MEAS.	-	336	S.E. SIZE	- 4.3
NO. HAULS	-	393	MIN. SIZE	- 23
CAT./HAUL	-	1.1	MAX. SIZE	- 313



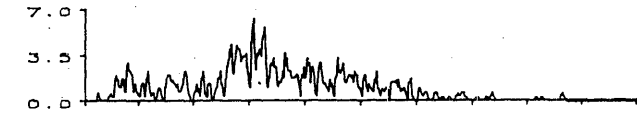
MAY		730508	-	890516
NO. COHT.	-	431	MEAN SIZE	- 224.9
NO. MEAS.	-	378	S.E. SIZE	- 3.4
NO. HAULS	-	801	MIN. SIZE	- 42
CAT./HAUL	-	0.7	MAX. SIZE	- 494



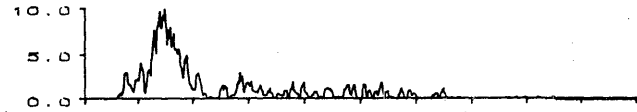
JUNE		730601	-	890620
NO. COHT.	-	757	MEAN SIZE	- 166.9
NO. MEAS.	-	874	S.E. SIZE	- 3.1
NO. HAULS	-	749	MIN. SIZE	- 12
CAT./HAUL	-	1	MAX. SIZE	- 423



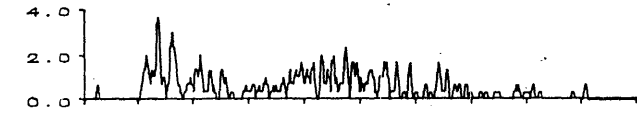
JULY		730709	-	890717
NO. COHT.	-	943	MEAN SIZE	- 185.2
NO. MEAS.	-	835	S.E. SIZE	- 3.1
NO. HAULS	-	2375	MIN. SIZE	- 18
CAT./HAUL	-	0.4	MAX. SIZE	- 452



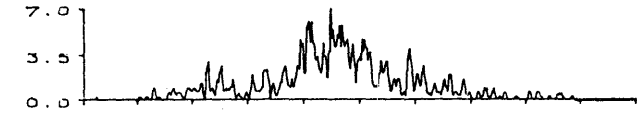
AUGUST		730806	-	890822
NO. COHT.	-	921	MEAN SIZE	- 169.9
NO. MEAS.	-	470	S.E. SIZE	- 3.6
NO. HAULS	-	682	MIN. SIZE	- 20
CAT./HAUL	-	1.4	MAX. SIZE	- 311



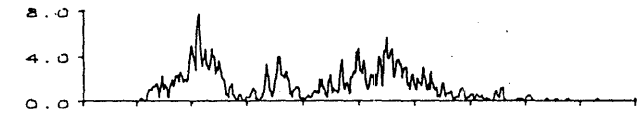
SEPTEMBER		730914	-	890920
NO. COHT.	-	1232	MEAN SIZE	- 119.5
NO. MEAS.	-	443	S.E. SIZE	- 4
NO. HAULS	-	603	MIN. SIZE	- 29
CAT./HAUL	-	2	MAX. SIZE	- 332



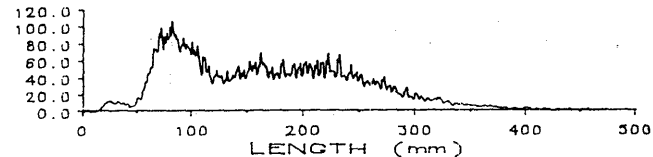
OCTOBER		731010	-	891017
NO. COHT.	-	261	MEAN SIZE	- 194.6
NO. MEAS.	-	240	S.E. SIZE	- 6.4
NO. HAULS	-	815	MIN. SIZE	- 30
CAT./HAUL	-	0.4	MAX. SIZE	- 431



NOVEMBER		791105	-	891122
NO. COHT.	-	722	MEAN SIZE	- 227
NO. MEAS.	-	312	S.E. SIZE	- 3.2
NO. HAULS	-	483	MIN. SIZE	- 49
CAT./HAUL	-	1.3	MAX. SIZE	- 382



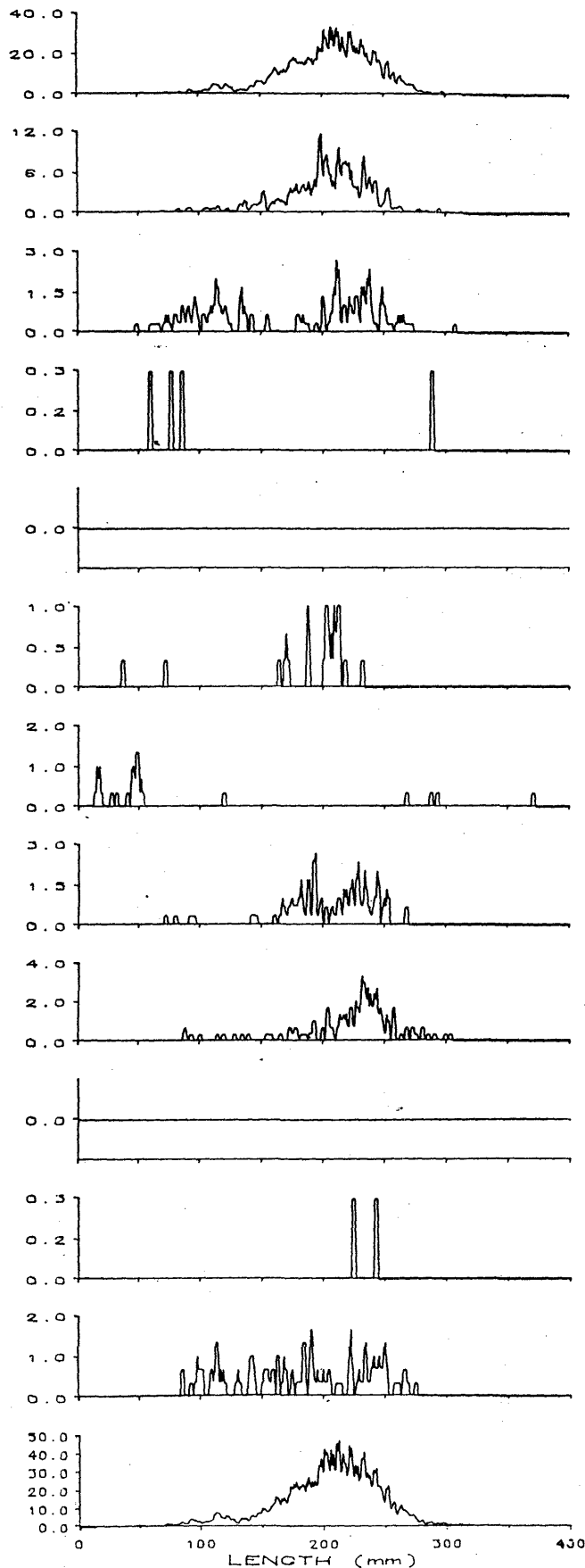
DECEMBER		781218	-	891213
NO. COHT.	-	1342	MEAN SIZE	- 202.1
NO. MEAS.	-	546	S.E. SIZE	- 3.9
NO. HAULS	-	523	MIN. SIZE	- 31
CAT./HAUL	-	2.9	MAX. SIZE	- 499



JAN - DEC		730108	-	891213
NO. COHT.	-	22278	MEAN SIZE	- 166.4
NO. MEAS.	-	13007	S.E. SIZE	- 0.7
NO. HAULS	-	10380	MIN. SIZE	- 12
CAT./HAUL	-	2.1	MAX. SIZE	- 607

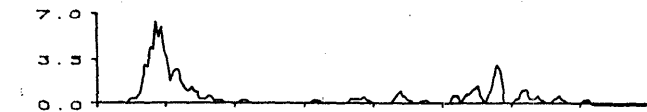
Figure 14

BROWN BULLHEAD  
YEARS 1973-1989 POOLED

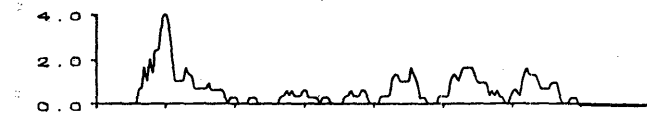


<b>JANUARY</b>	730103	-	390117	
NO. COHT.	3212	MEAN SIZE	204	
NO. MEAS.	2205	S.E. SIZE	0.8	
NO. HAULS	1287	MIN. SIZE	31	
CAT./HAUL	2.3	MAX. SIZE	318	
<b>FEBRUARY</b>	730203	-	390218	
NO. COHT.	603	MEAN SIZE	200.4	
NO. MEAS.	470	S.E. SIZE	1.6	
NO. HAULS	1141	MIN. SIZE	87	
CAT./HAUL	0.3	MAX. SIZE	310	
<b>MARCH</b>	730329	-	390321	
NO. COHT.	197	MEAN SIZE	171.6	
NO. MEAS.	121	S.E. SIZE	3.9	
NO. HAULS	924	MIN. SIZE	48	
CAT./HAUL	0.2	MAX. SIZE	305	
<b>APRIL</b>	730410	-	390413	
NO. COHT.	3	MEAN SIZE	125	
NO. MEAS.	4	S.E. SIZE	33.9	
NO. HAULS	393	MIN. SIZE	37	
CAT./HAUL	0	MAX. SIZE	236	
<b>MAY</b>	730503	-	390518	
NO. COHT.	0	MEAN SIZE	.	
NO. MEAS.	0	S.E. SIZE	.	
NO. HAULS	801	MIN. SIZE	.	
CAT./HAUL	0	MAX. SIZE	.	
<b>JUNE</b>	730601	-	390620	
NO. COHT.	28	MEAN SIZE	133.2	
NO. MEAS.	21	S.E. SIZE	10.3	
NO. HAULS	749	MIN. SIZE	34	
CAT./HAUL	0	MAX. SIZE	229	
<b>JULY</b>	730709	-	390717	
NO. COHT.	32	MEAN SIZE	89.6	
NO. MEAS.	21	S.E. SIZE	23.8	
NO. HAULS	2373	MIN. SIZE	12	
CAT./HAUL	0	MAX. SIZE	383	
<b>AUGUST</b>	730808	-	390822	
NO. COHT.	98	MEAN SIZE	202.6	
NO. MEAS.	90	S.E. SIZE	4	
NO. HAULS	832	MIN. SIZE	70	
CAT./HAUL	0.1	MAX. SIZE	265	
<b>SEPTEMBER</b>	730914	-	390920	
NO. COHT.	183	MEAN SIZE	213.1	
NO. MEAS.	113	S.E. SIZE	4	
NO. HAULS	603	MIN. SIZE	33	
CAT./HAUL	0.3	MAX. SIZE	301	
<b>OCTOBER</b>	731010	-	391017	
NO. COHT.	0	MEAN SIZE	.	
NO. MEAS.	0	S.E. SIZE	.	
NO. HAULS	813	MIN. SIZE	.	
CAT./HAUL	0	MAX. SIZE	.	
<b>NOVEMBER</b>	791103	-	391122	
NO. COHT.	4	MEAN SIZE	231	
NO. MEAS.	2	S.E. SIZE	9	
NO. HAULS	433	MIN. SIZE	222	
CAT./HAUL	0	MAX. SIZE	240	
<b>DECEMBER</b>	731213	-	391213	
NO. COHT.	107	MEAN SIZE	180.2	
NO. MEAS.	36	S.E. SIZE	5.7	
NO. HAULS	323	MIN. SIZE	83	
CAT./HAUL	0.2	MAX. SIZE	272	
<b>JAN - DEC</b>	730103	-	391213	
NO. COHT.	4443	MEAN SIZE	201.1	
NO. MEAS.	3133	S.E. SIZE	0.3	
NO. HAULS	10330	MIN. SIZE	12	
CAT./HAUL	0.4	MAX. SIZE	383	

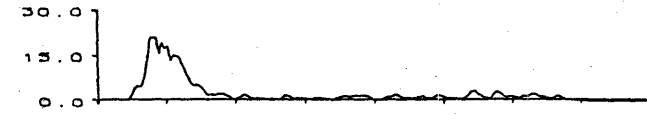
Figure 15  
BLUE CRAB  
YEARS 1973-1989 POOLED



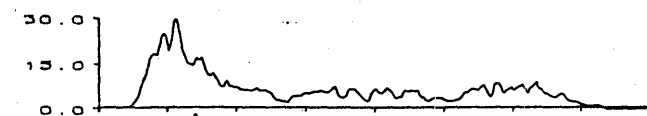
JANUARY	860120	-	890117
NO. CGHT.	102	MEAN SIZE	63
NO. MEAS.	102	S.E. SIZE	3.3
NO. HAULS	134	MIN. SIZE	3
CAT./HAUL	0.7	MAX. SIZE	175



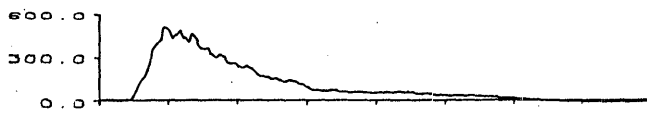
FEBRUARY	860220	-	890218
NO. CGHT.	112	MEAN SIZE	83.3
NO. MEAS.	112	S.E. SIZE	3
NO. HAULS	137	MIN. SIZE	14
CAT./HAUL	0.7	MAX. SIZE	170



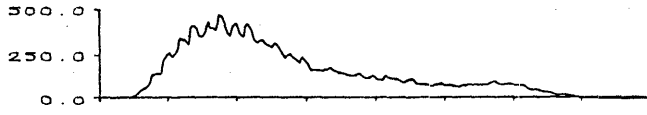
MARCH	860324	-	890321
NO. CGHT.	437	MEAN SIZE	49.6
NO. MEAS.	437	S.E. SIZE	2.2
NO. HAULS	137	MIN. SIZE	4
CAT./HAUL	2.8	MAX. SIZE	172



APRIL	760412	-	890418
NO. CGHT.	1170	MEAN SIZE	72
NO. MEAS.	1170	S.E. SIZE	1.3
NO. HAULS	202	MIN. SIZE	8
CAT./HAUL	3.3	MAX. SIZE	180



MAY	730308	-	890318
NO. CGHT.	20738	MEAN SIZE	30.8
NO. MEAS.	20622	S.E. SIZE	0.2
NO. HAULS	604	MIN. SIZE	6
CAT./HAUL	34.4	MAX. SIZE	197



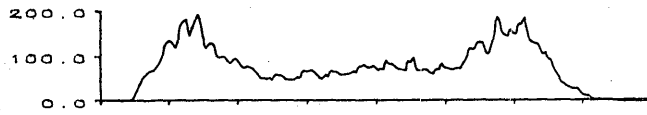
JUNE	730601	-	890620
NO. CGHT.	26022	MEAN SIZE	66
NO. MEAS.	26010	S.E. SIZE	0.2
NO. HAULS	593	MIN. SIZE	7
CAT./HAUL	43.7	MAX. SIZE	331



JULY	730709	-	890717
NO. CGHT.	23789	MEAN SIZE	81
NO. MEAS.	23783	S.E. SIZE	0.2
NO. HAULS	612	MIN. SIZE	11
CAT./HAUL	38.9	MAX. SIZE	483



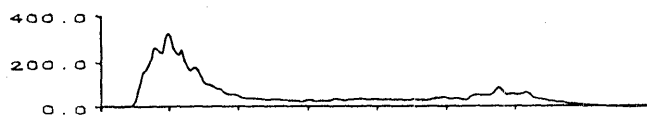
AUGUST	730801	-	890822
NO. CGHT.	18211	MEAN SIZE	102.9
NO. MEAS.	17633	S.E. SIZE	0.3
NO. HAULS	378	MIN. SIZE	3
CAT./HAUL	31.3	MAX. SIZE	198



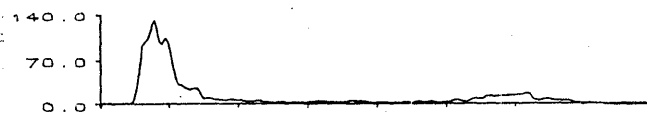
SEPTEMBER	730903	-	890920
NO. CGHT.	14303	MEAN SIZE	92.3
NO. MEAS.	14342	S.E. SIZE	0.4
NO. HAULS	601	MIN. SIZE	6
CAT./HAUL	24.1	MAX. SIZE	190



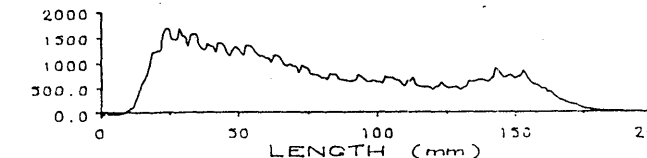
OCTOBER	731002	-	891017
NO. CGHT.	13812	MEAN SIZE	79.8
NO. MEAS.	13802	S.E. SIZE	0.3
NO. HAULS	603	MIN. SIZE	7
CAT./HAUL	22.8	MAX. SIZE	198



NOVEMBER	731103	-	891122
NO. CGHT.	10823	MEAN SIZE	63.6
NO. MEAS.	10789	S.E. SIZE	0.3
NO. HAULS	384	MIN. SIZE	6
CAT./HAUL	19.2	MAX. SIZE	197



DECEMBER	831201	-	891213
NO. CGHT.	2471	MEAN SIZE	31.4
NO. MEAS.	2470	S.E. SIZE	1
NO. HAULS	191	MIN. SIZE	1
CAT./HAUL	12.9	MAX. SIZE	191



JAN - DEC	730308	-	891213
NO. CGHT.	132210	MEAN SIZE	73.1
NO. MEAS.	131276	S.E. SIZE	0.1
NO. HAULS	3020	MIN. SIZE	1
CAT./HAUL	26.3	MAX. SIZE	331

Figure 16

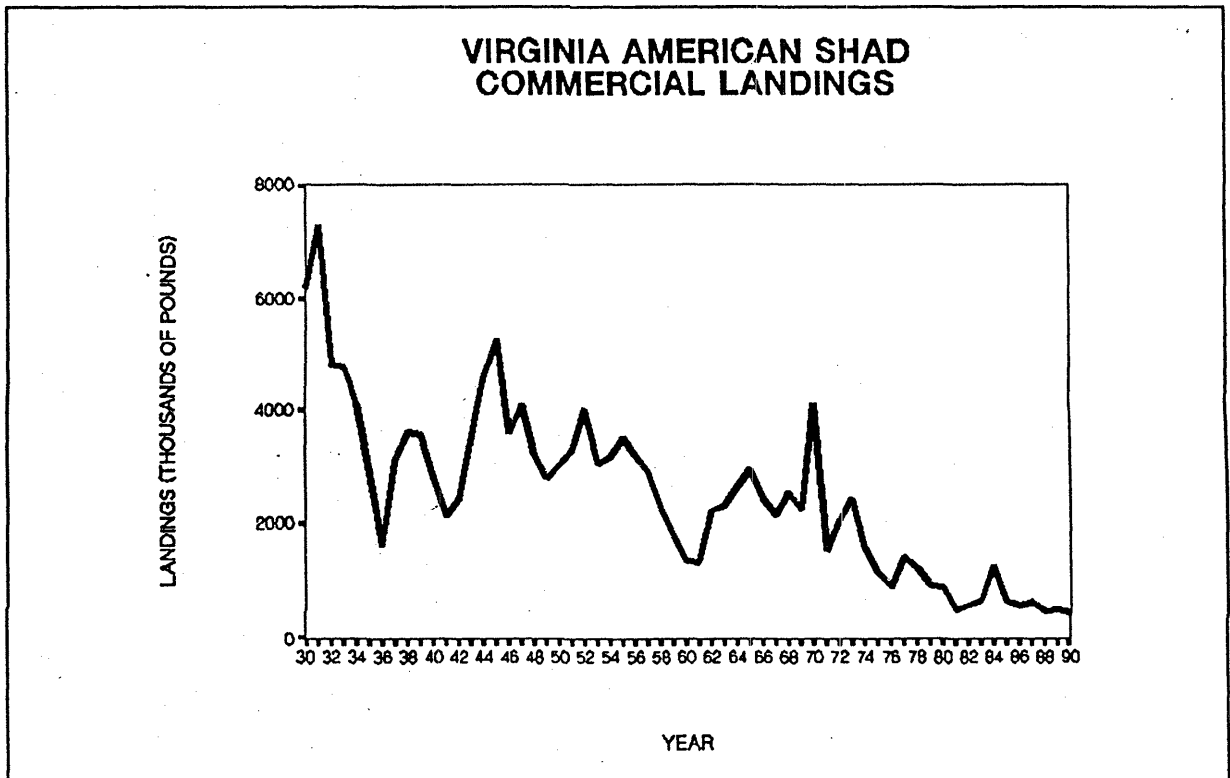
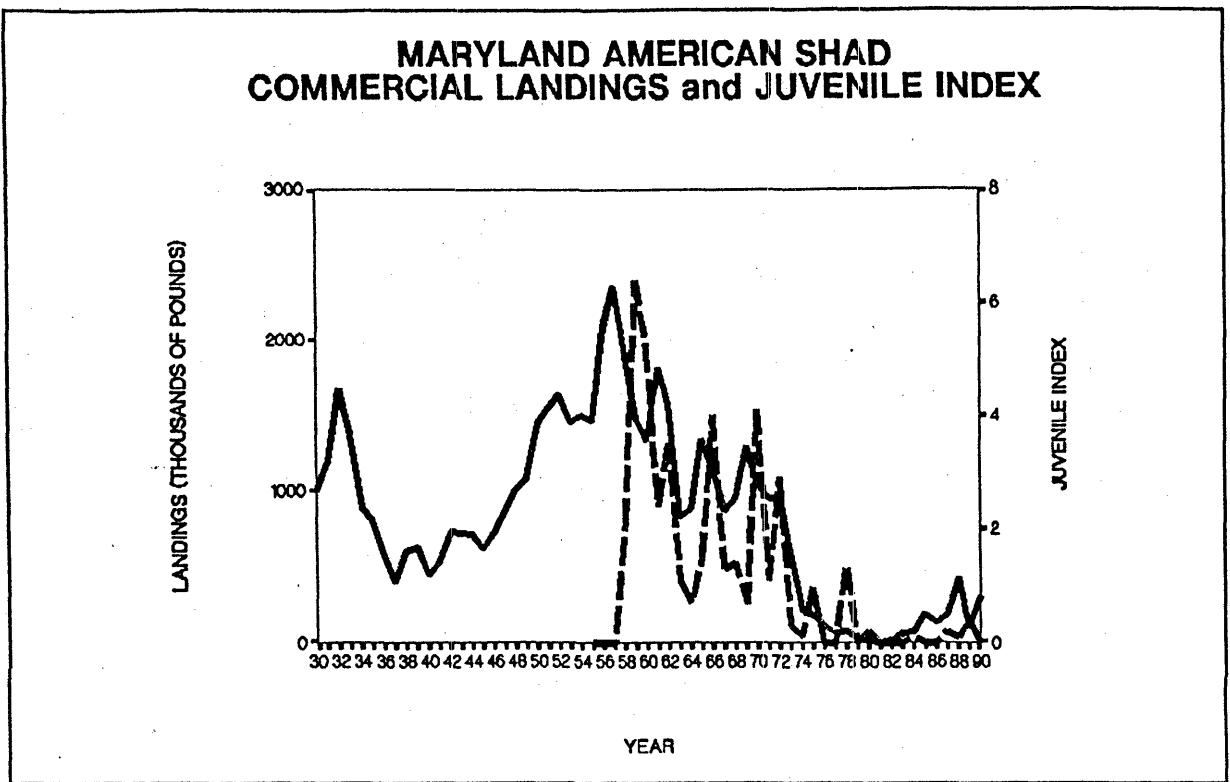


Figure 17

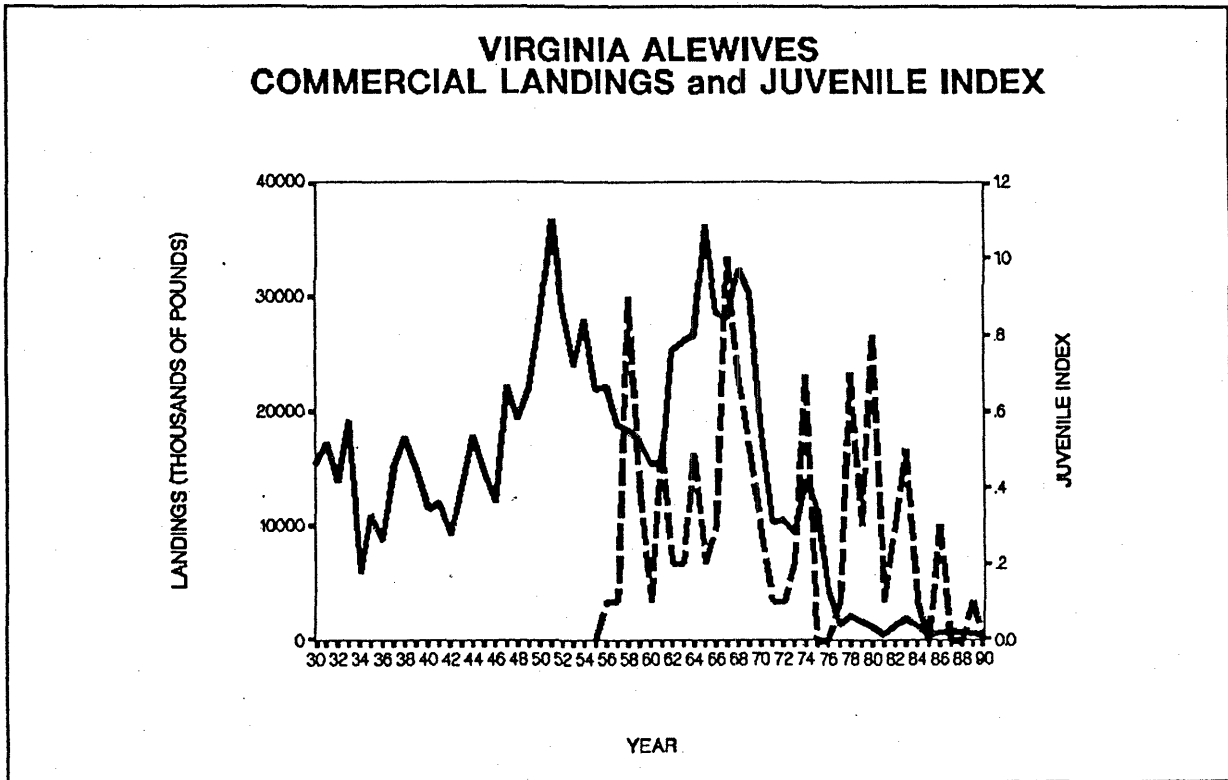
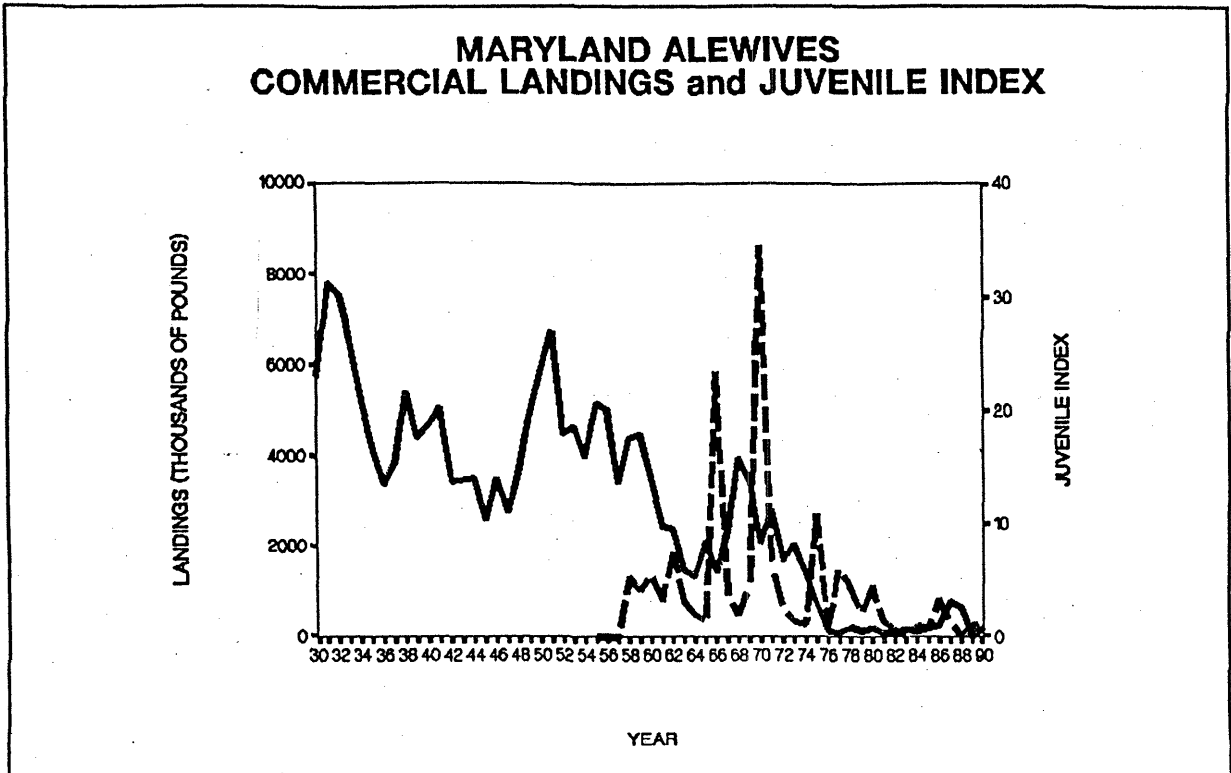




Figure 18

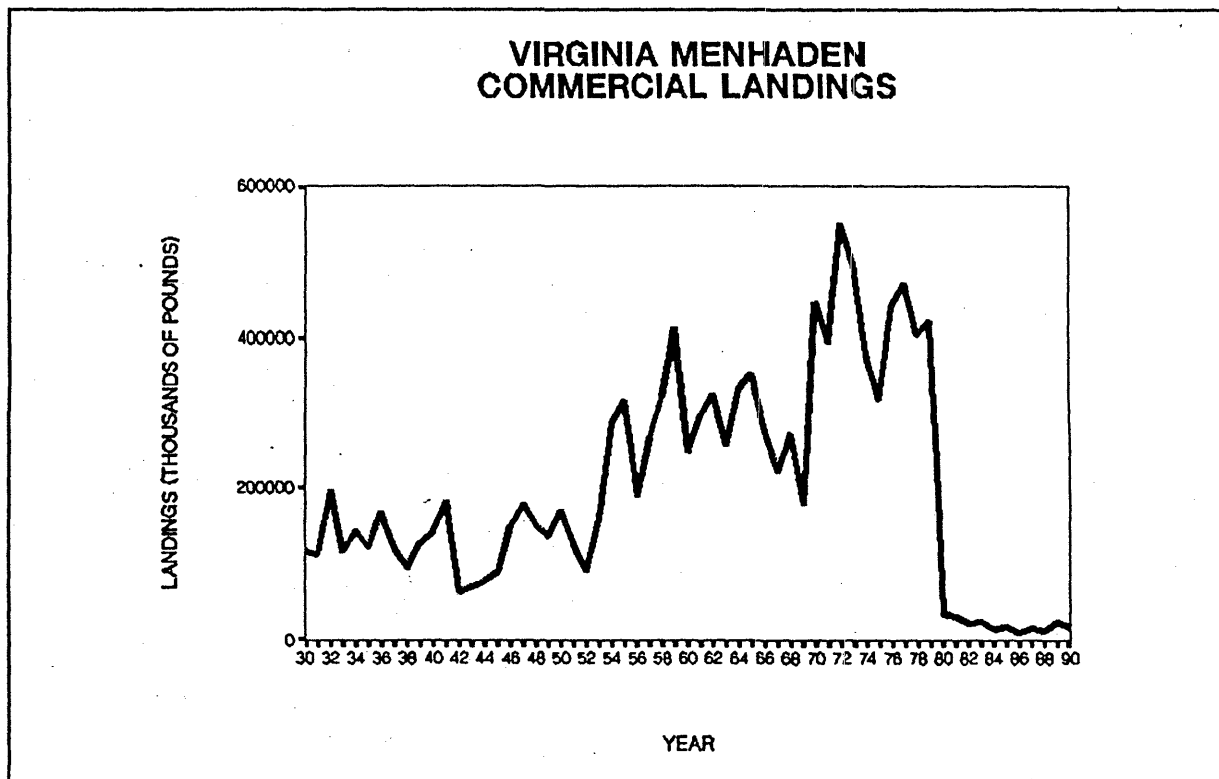
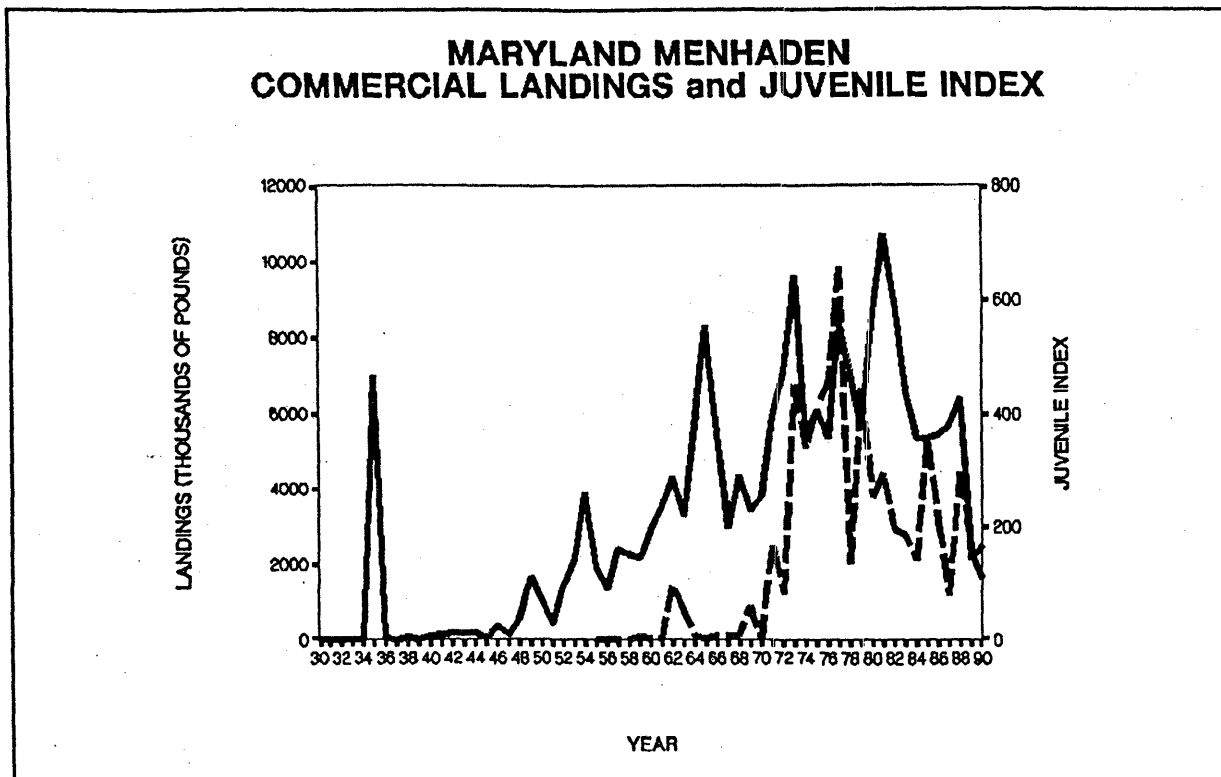


Figure 19

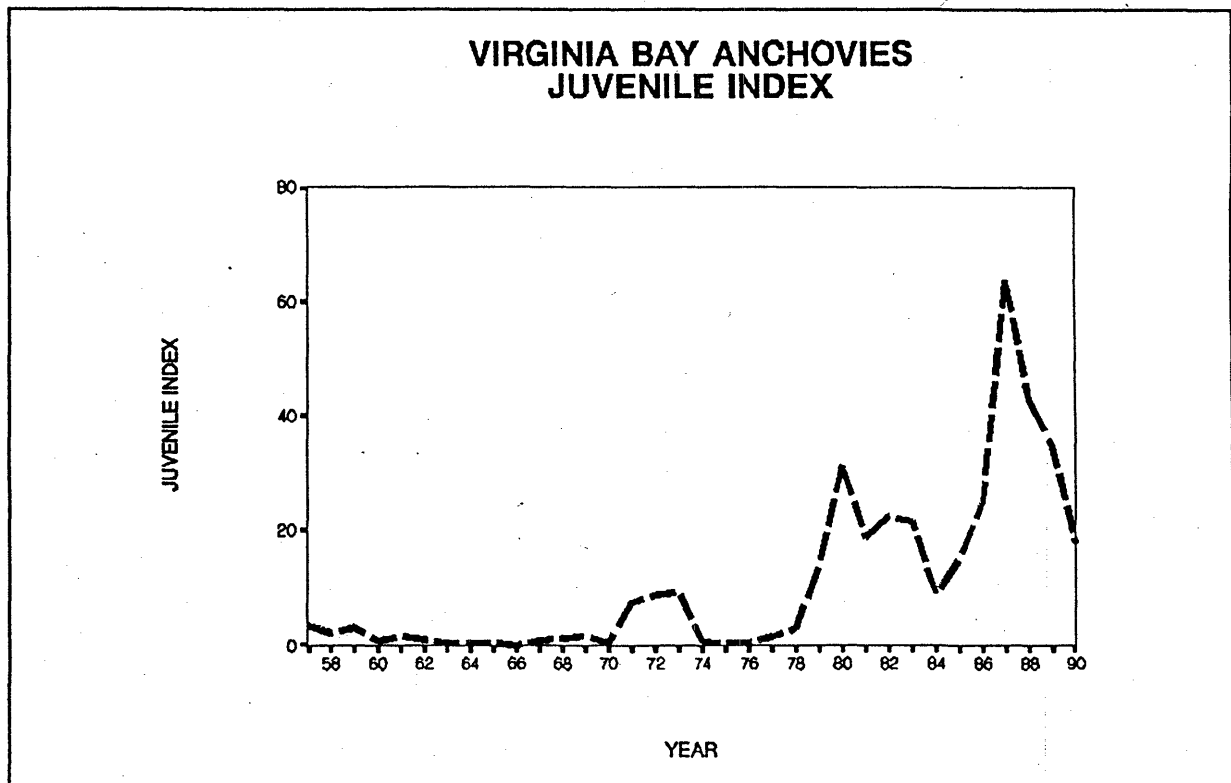
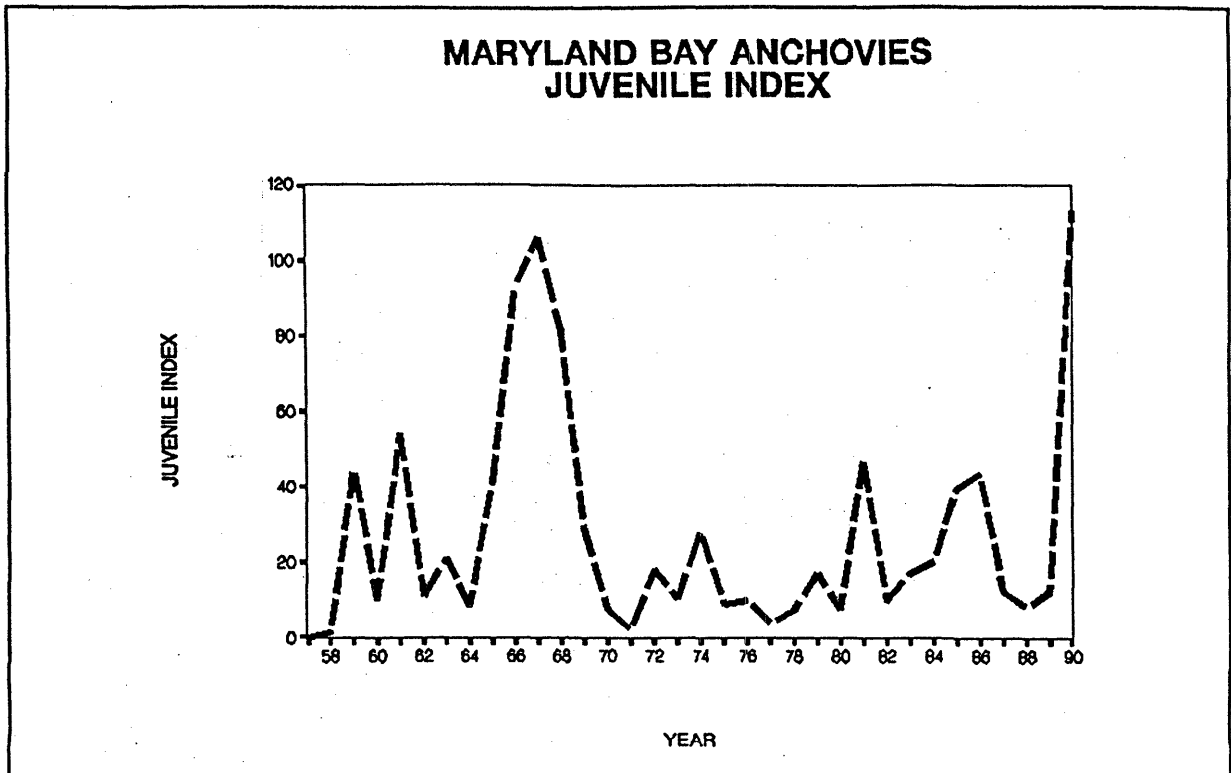


Figure 20

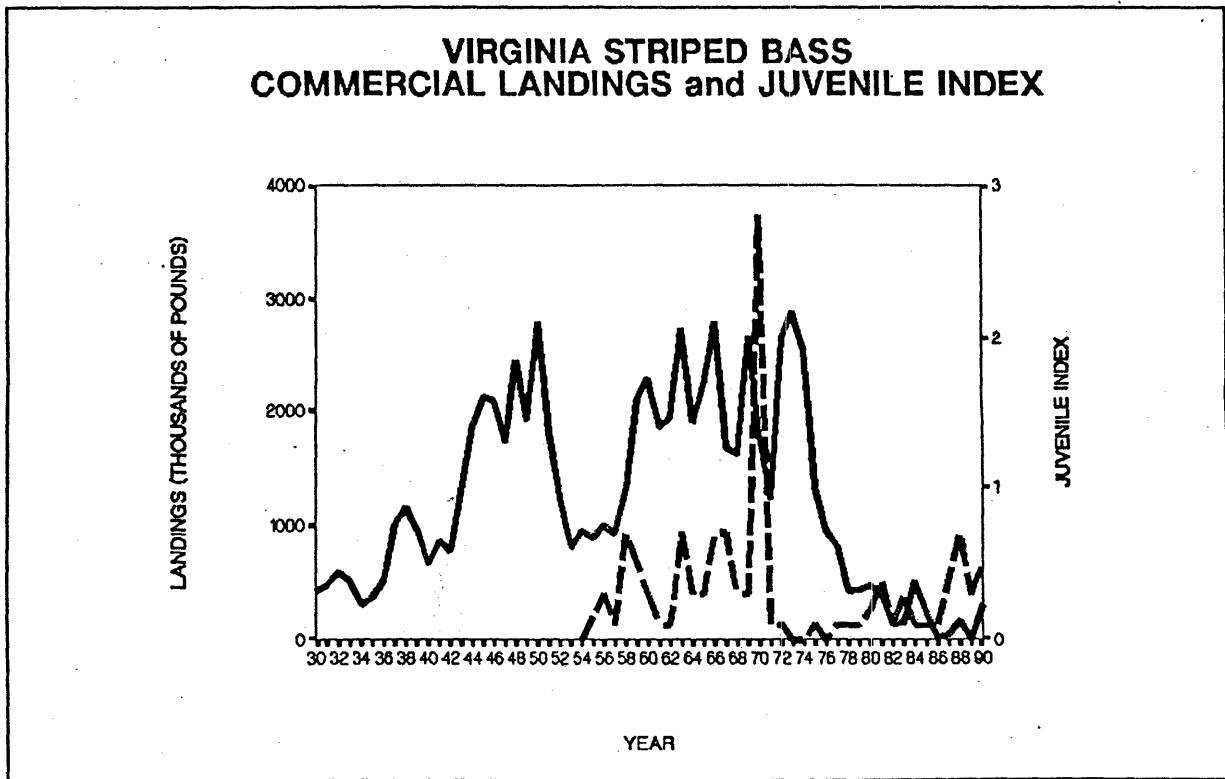
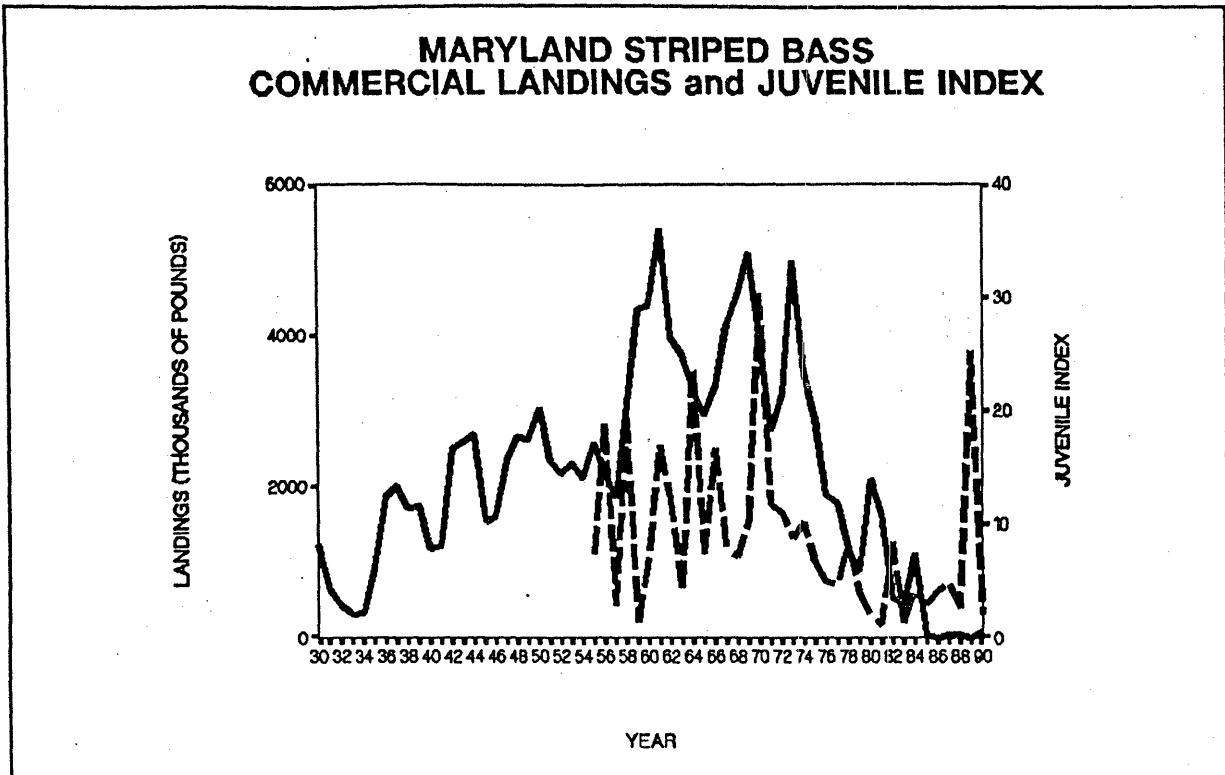


Figure 21

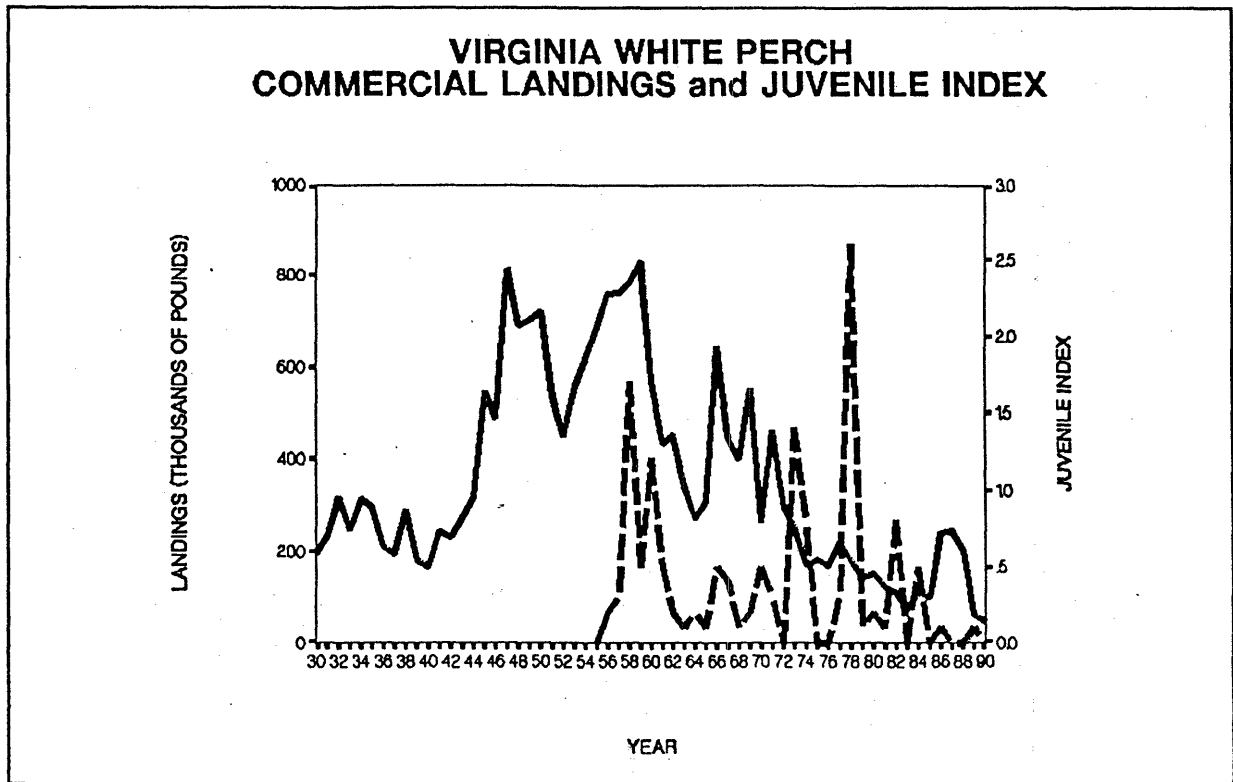
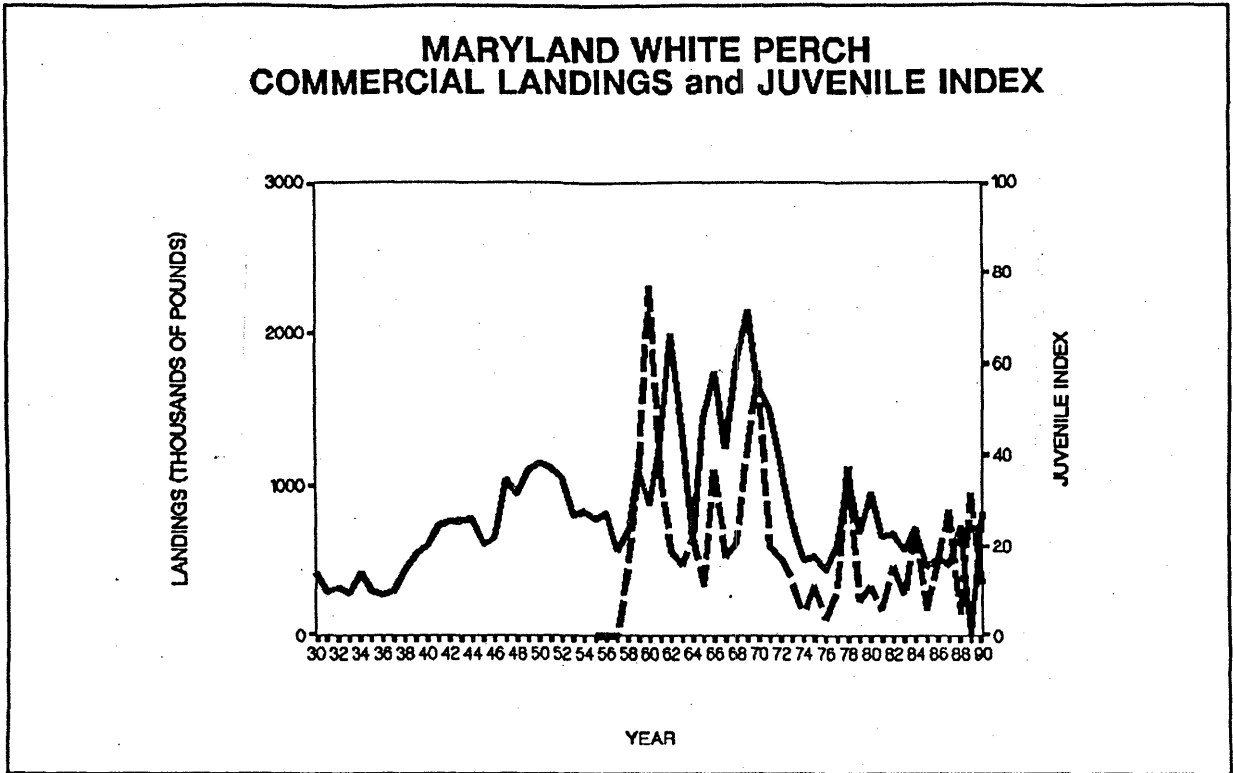
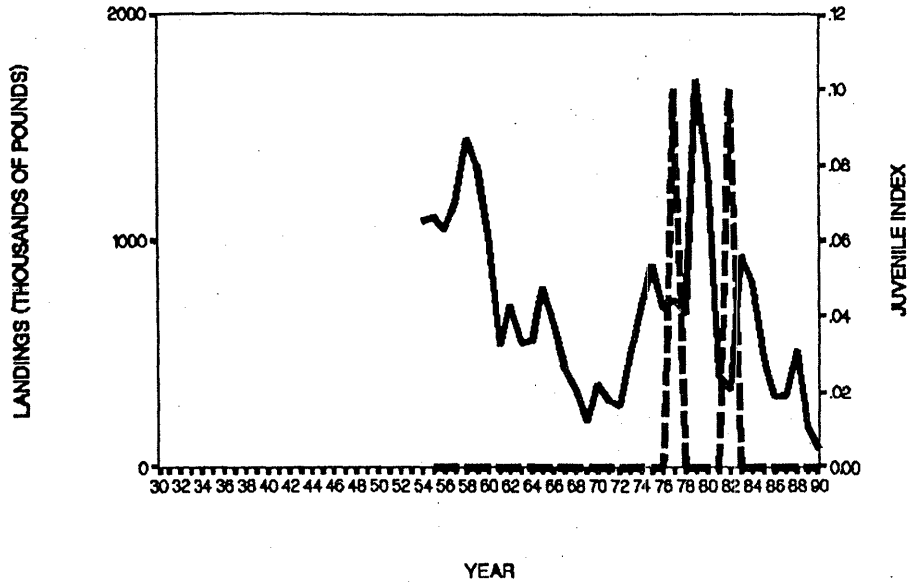


Figure 22

### MARYLAND SUMMER FLOUNDER COMMERCIAL LANDINGS and JUVENILE INDEX



### VIRGINIA SUMMER FLOUNDER COMMERCIAL LANDINGS and JUVENILE INDEX

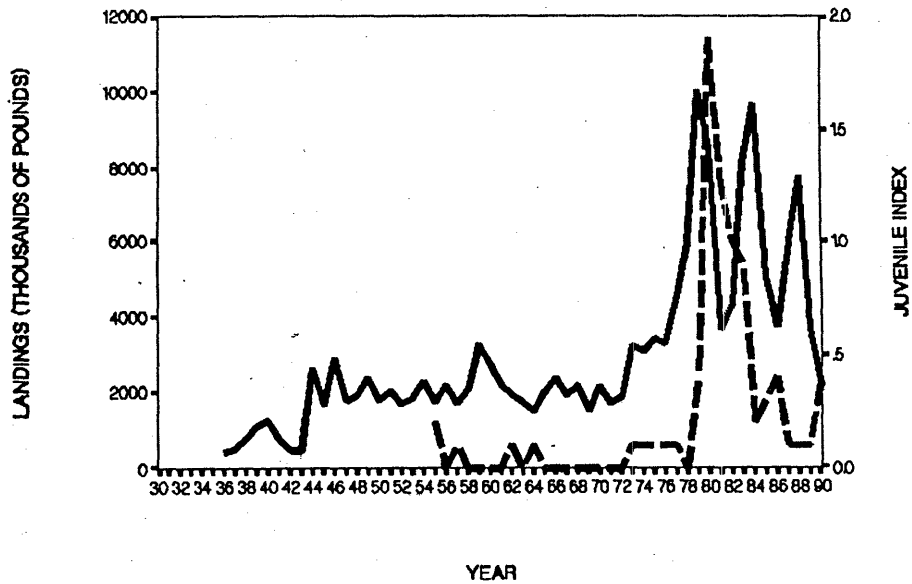


Figure 23

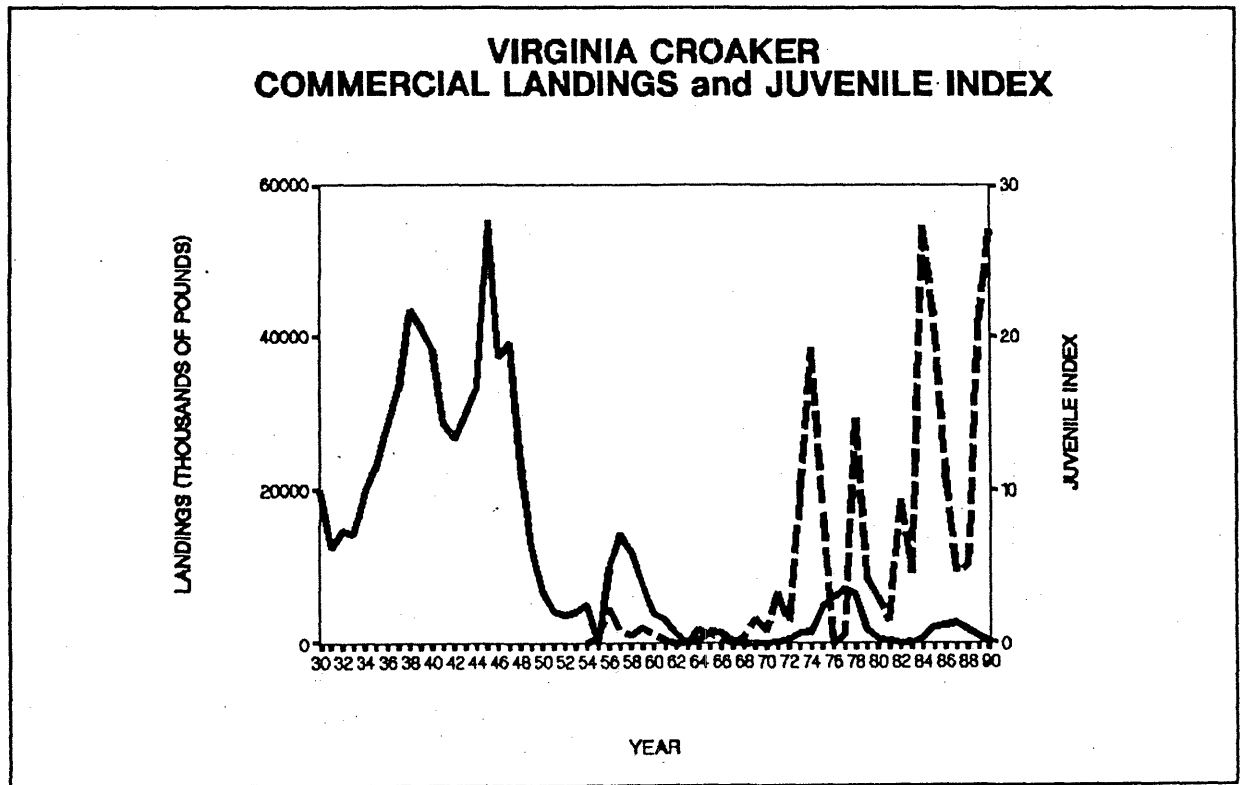
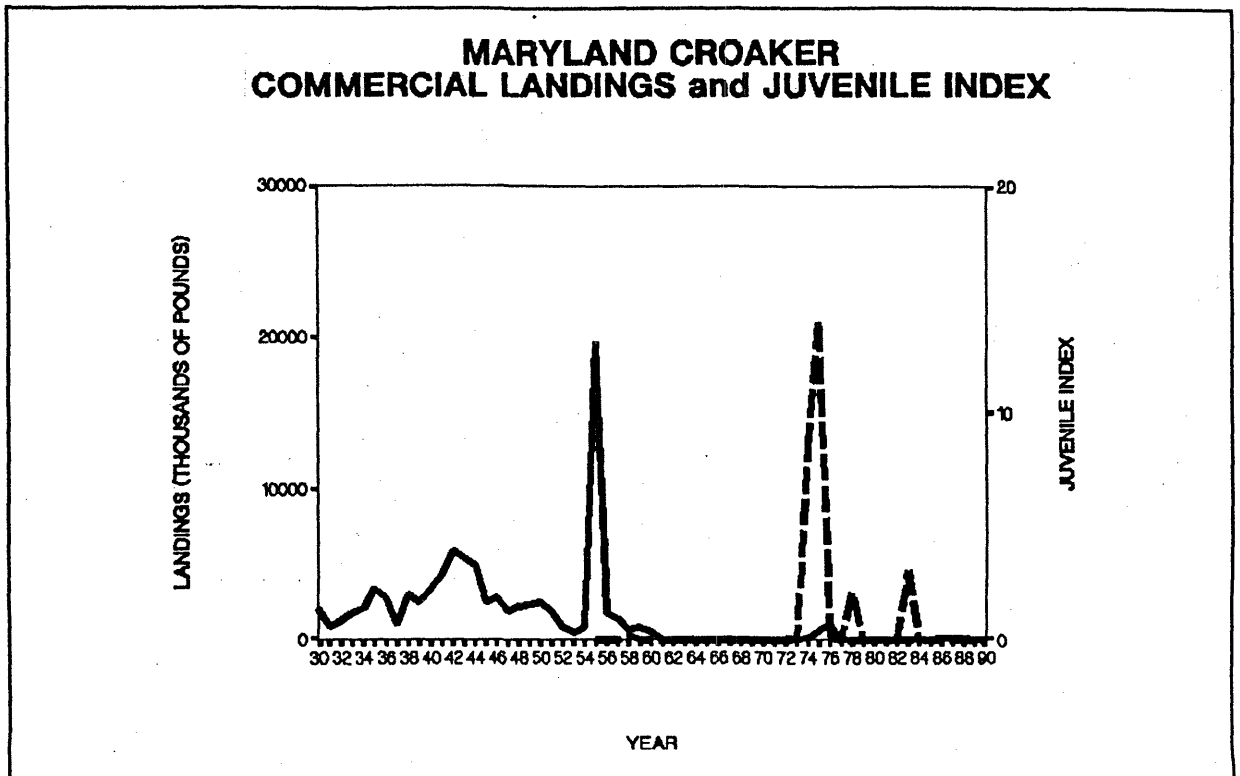


Figure 24

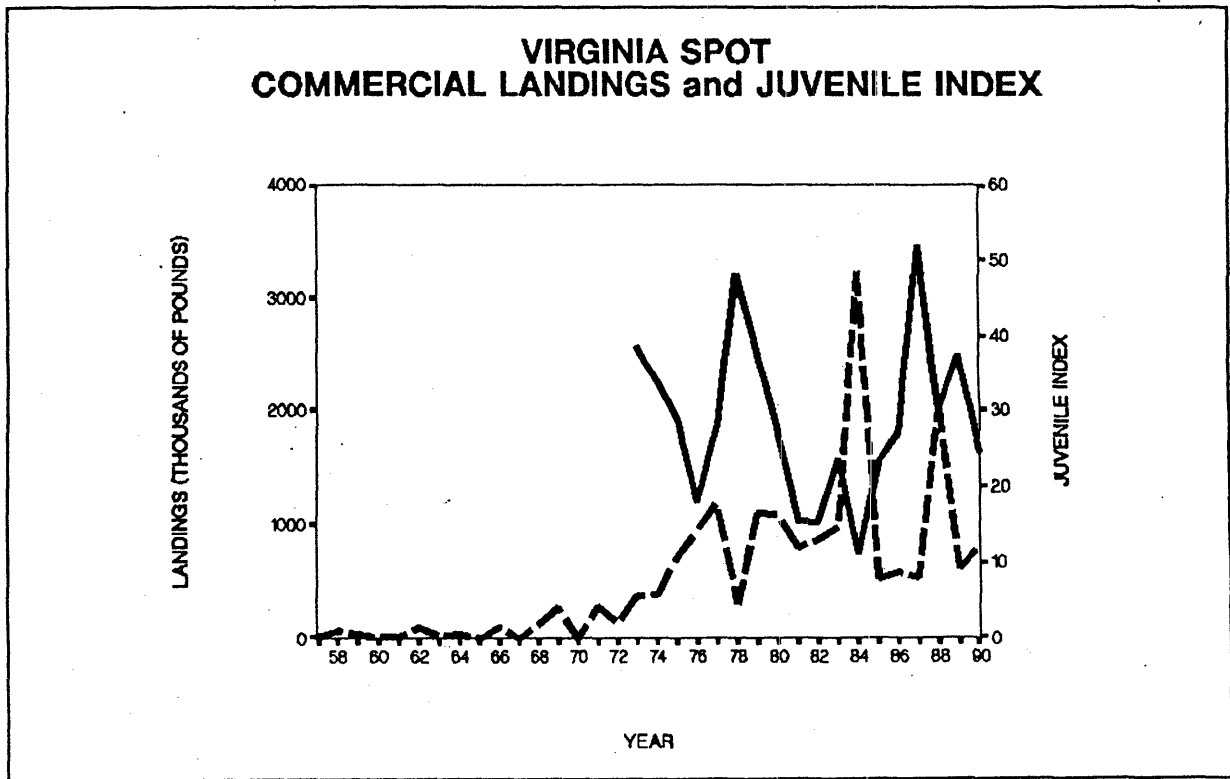
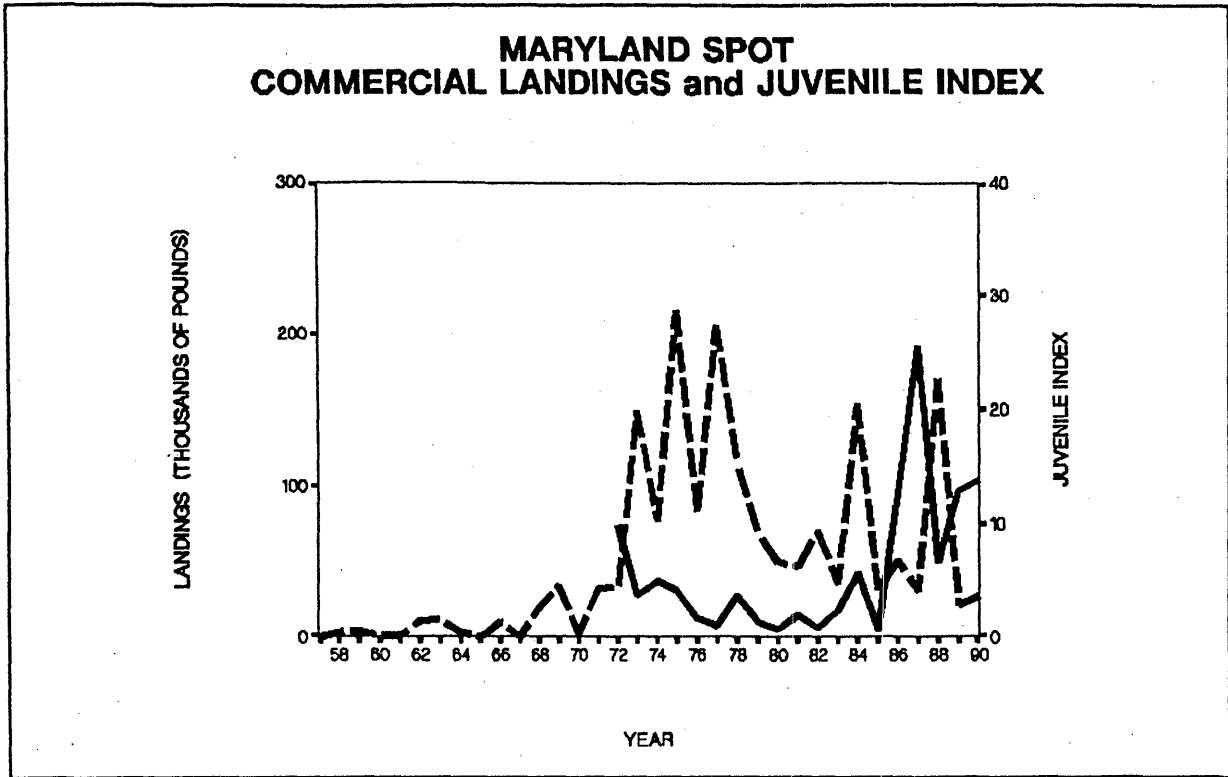


Figure 25

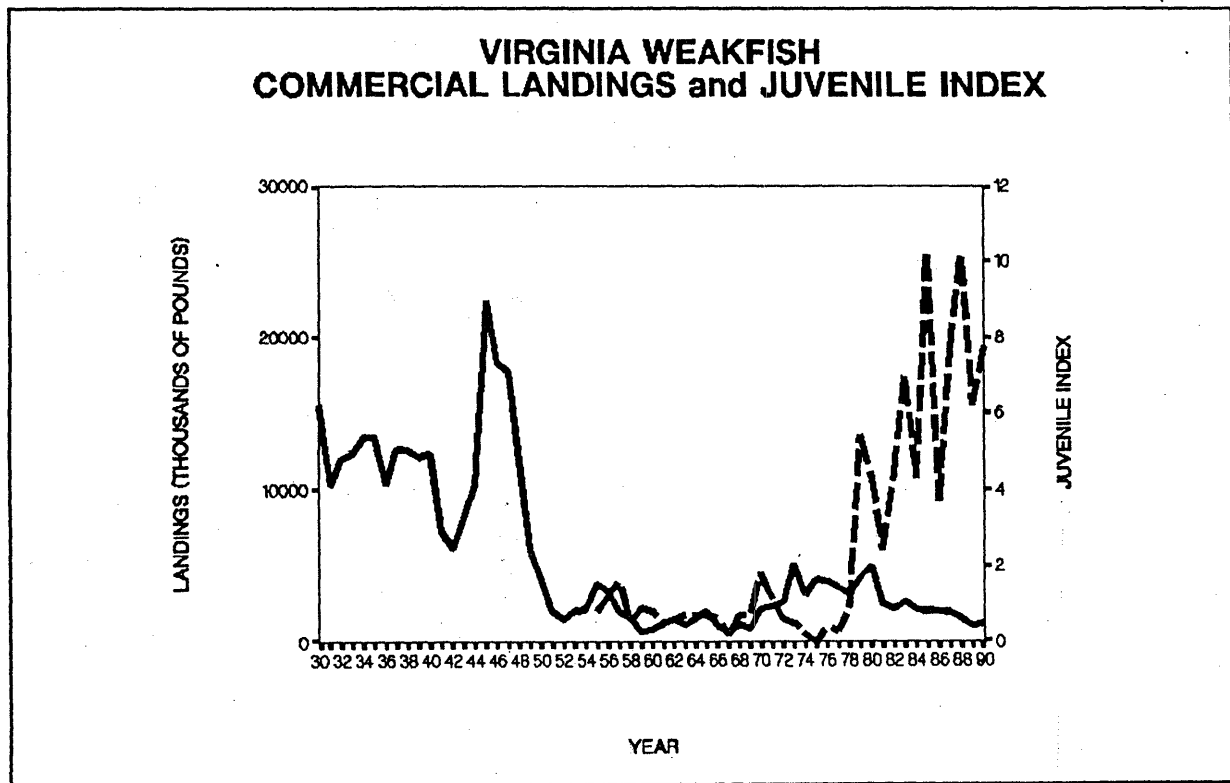
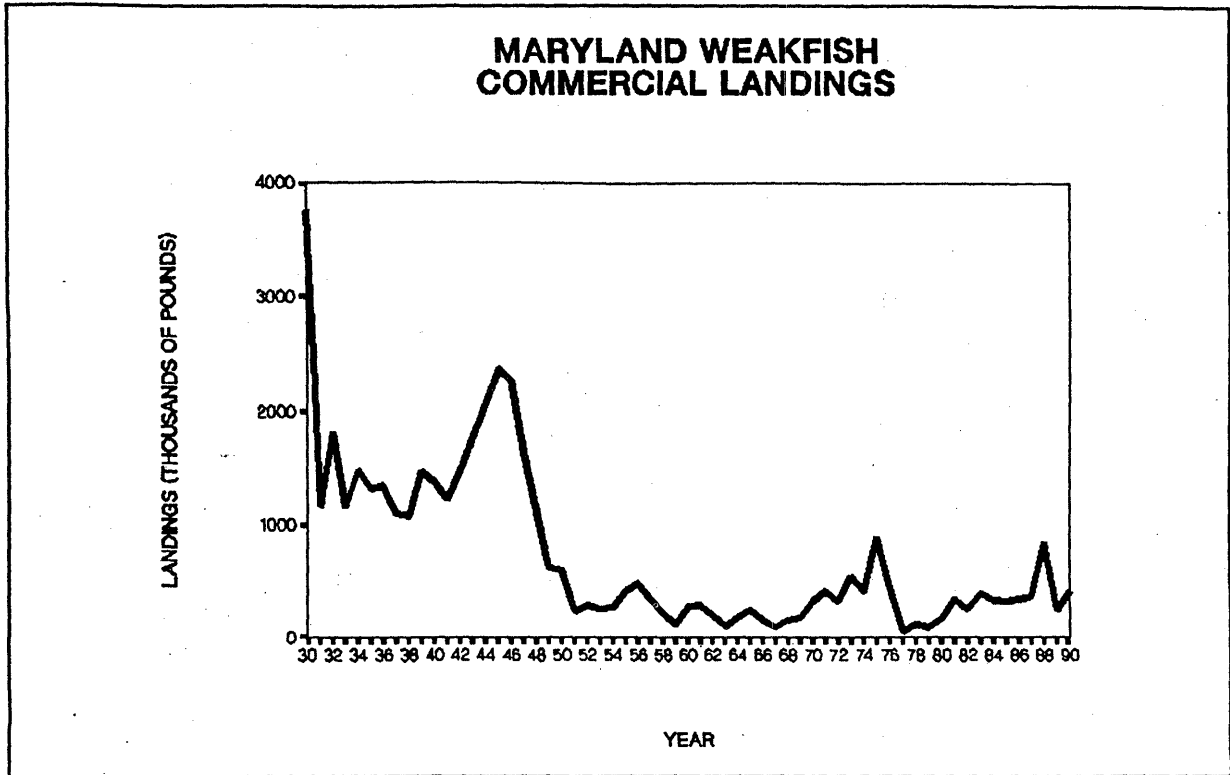




Figure 26

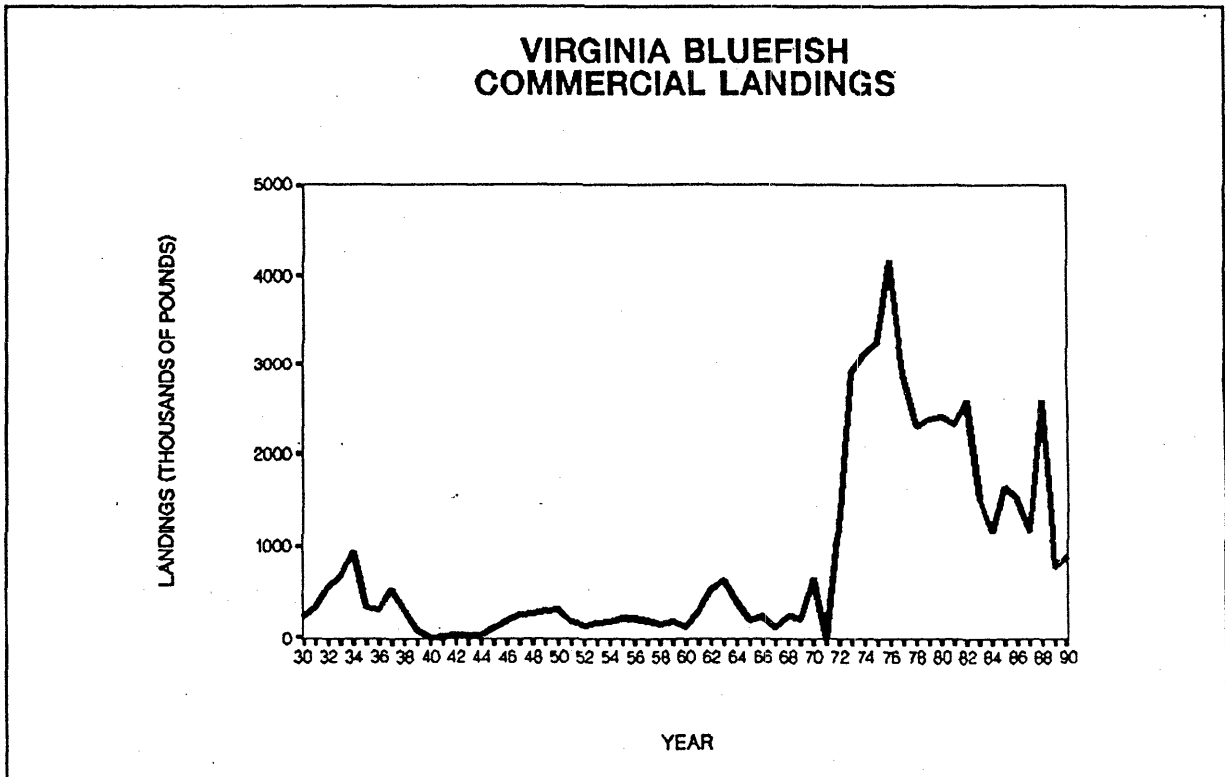
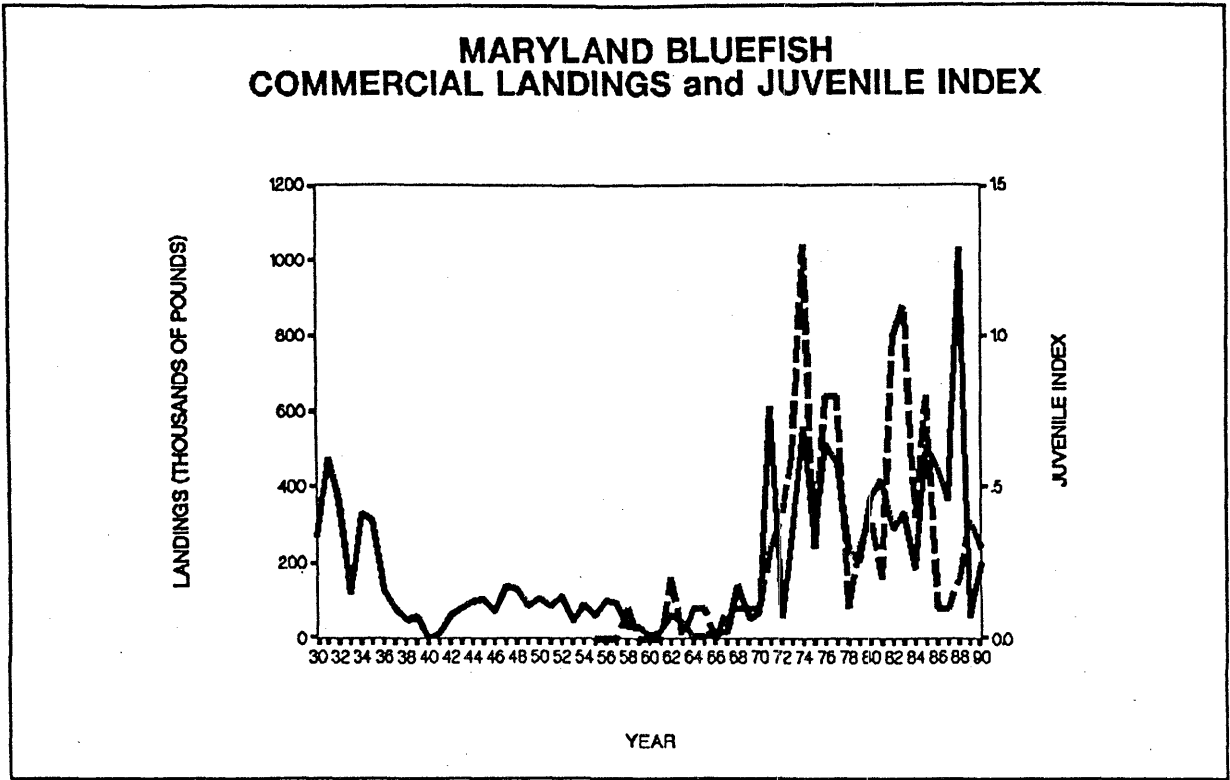


Figure 27

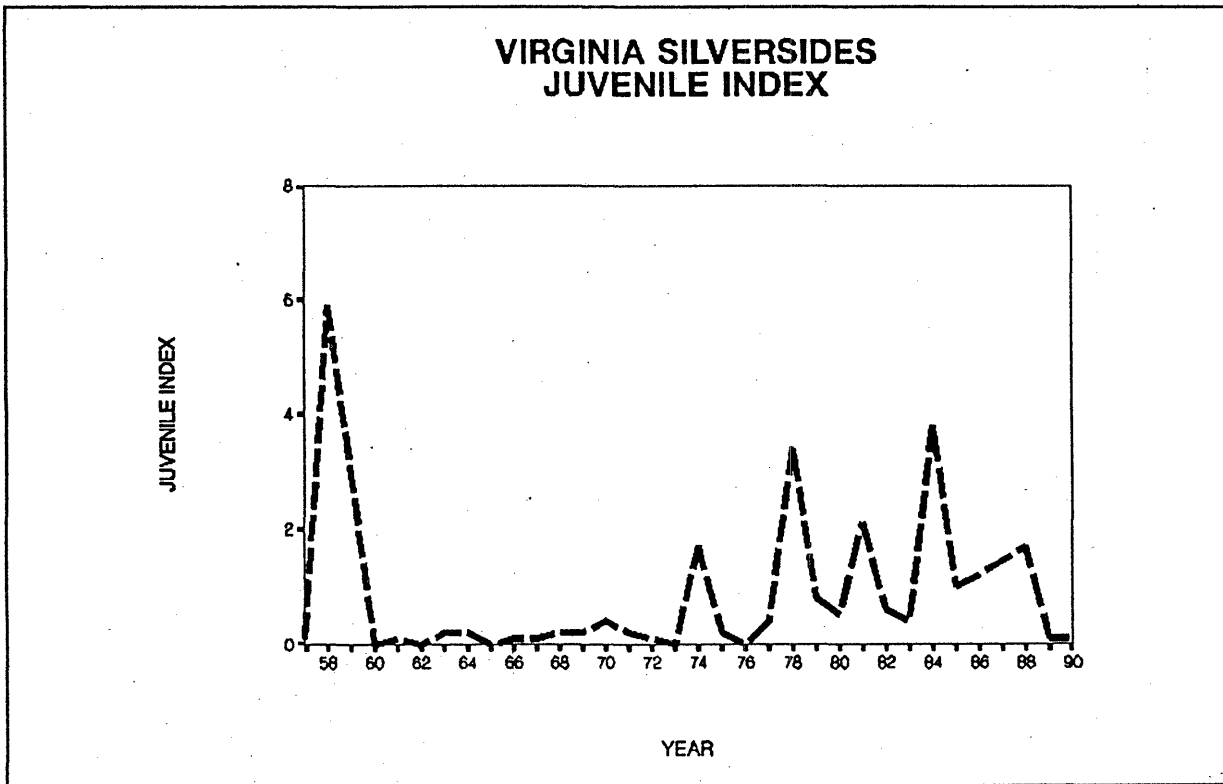
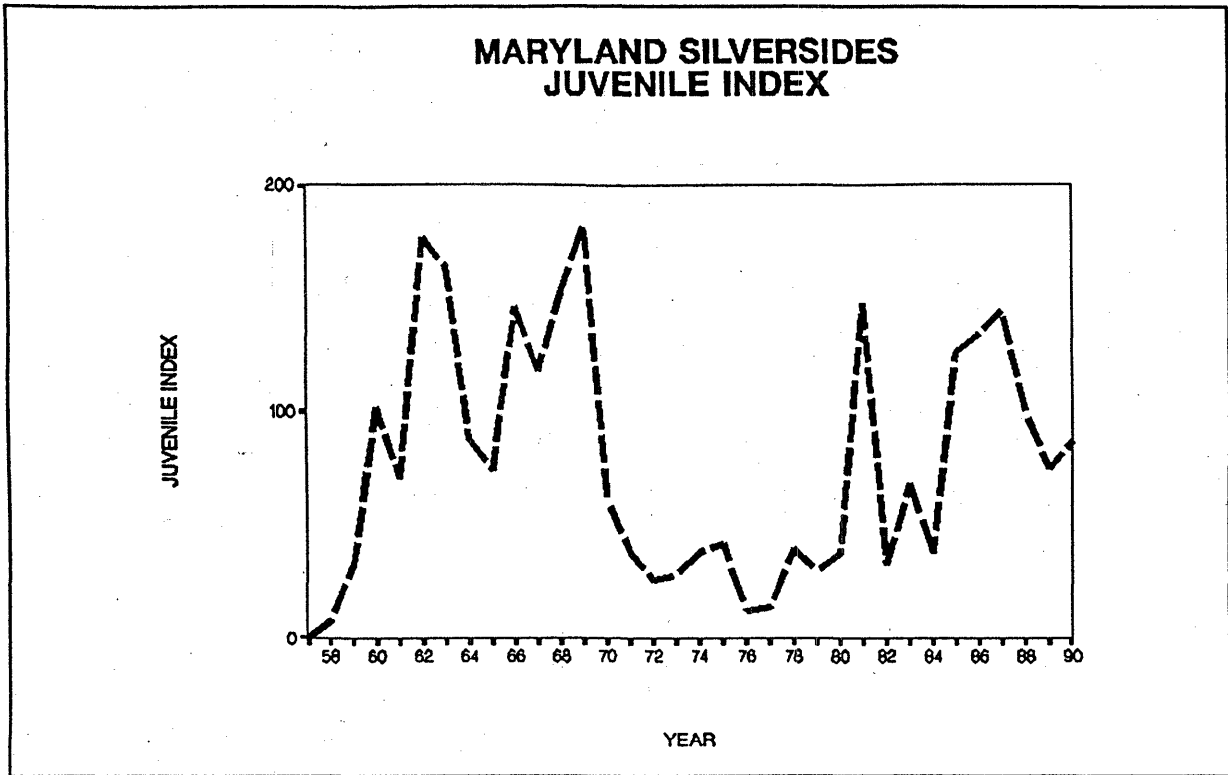


Figure 28

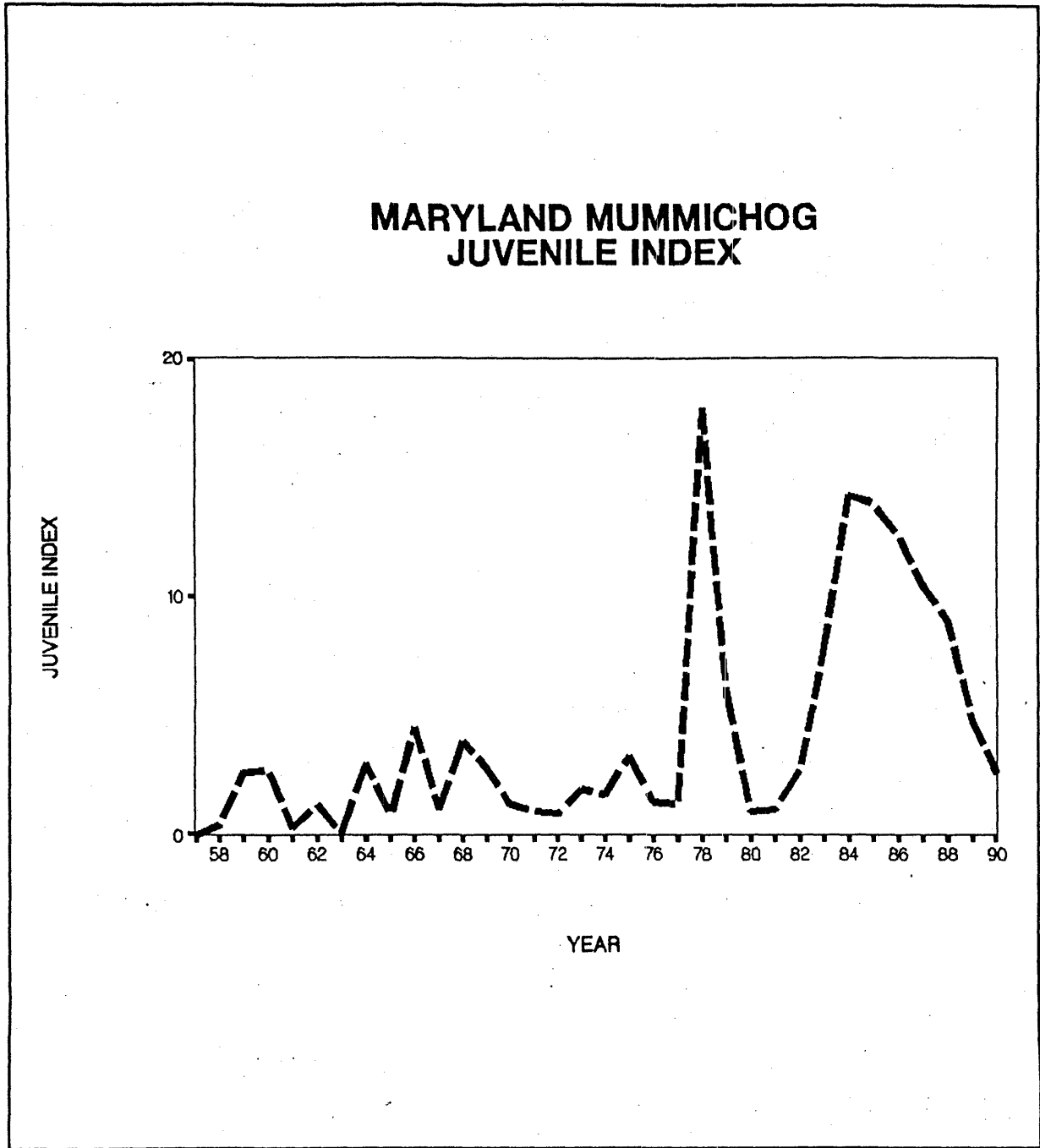


Figure 29

