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1986 AND 1987 YEAR CLASS REPORT FOR THE HUDSON RIVER ESTUARY MONITORING PROGRAM

VOLUME II

June 1989

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1986 AND 1987 YEAR CLASS REPORT

FOR THE HUDSON RIVER ESTUARY

MONITORING PROGRAM

VOLUME II

Prepared for

Consolidated Edison Company
of New York, Inc.
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New York, New York 10003

Prepared by

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APPENDIX A

1986-1987 YEAR CLASS REPORT:

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY REPORT

QUALITY ASSURANCE REVIEW REPORT

INTRODUCTION

As part of the quality assurance program for Consolidated Edison Company of New York, Inc.'s (Con Edison) Year Class report, Lawler, Matusky & Skelly Engineers (LMS) performed quality assurance audits of the data received. LMS audited the utility's 1986 and 1987 beach seine, fall shoals, and ichthyoplankton SAS files against microfilm of the original data sheets. Based on a random inspection of 5% of the data sheets from each sampling effort, the error rate associated with each data set has been calculated. In addition, LMS performed a 100% audit on calculated variables in selected files. This report presents the results of the auditing effort in compliance with Subtasks 2.1 and 2.2 of the 1986-1987 year class report.

SUBTASK 2.1 - 100% AUDIT OF 5% OF SAMPLES

To check the accuracy of the data collected in the field and analyzed in the laboratory, 5% of the 1986 and 1987 beach seine, fall shoals, and ichthyoplankton samples were selected by means of a random numbers program. The program then generated a computer listing of the data for each parameter,* by data set. Data on the microfilmed copies of original data sheets were compared** with the data in the computer listing to determine the accuracy of the data entered into the computer.

*Full parameter names can be found in the Con Edison data dictionary.

**RIV_RUN, which was not on the original data sheets, was checked by comparing the date and inventory number to be sure all data appeared in the correct week.

1986 Beach Seines

Thirty-six samples were checked for the following parameters from data set XBSSLV3:

YEAR	DATE	WAVE_HT
TASK_CD	TIME	BTM_TYP
SAMPLE	RIV_MILE	USE_CODE
SITE	BEACH	COMMENTS

A total of 432 data fields were reviewed. No errors were found.

Thirty-six samples were checked for the following parameters from data set XBSSLV4:

YEAR	GEAR
TASK_CD	SAM_NARR
SAMPLE	

A total of 180 data fields were reviewed. No errors were found.

Thirty-six samples with 177 observations were checked for the following parameters from data set XBSSLV5:

YEAR	DIV_1	CT_LC4
TASK_CD	DIV_2	CT_YOY
SAMPLE	CT_LC1	CT_YRLNG
GEAR	CT_LC2	CT_YR_OLD
TAXON	CT_LC3	

A total of 2478 data fields were reviewed. No errors were found.

Thirty-six samples with 188 observations were checked for the following parameters from data set XBSSLV6.

YEAR	FISH_ID	LH
TASK_CD	LIFE_STG	QA_INIT
SAMPLE	LENGTH	INITIALS
GEAR	PM	PROC_DT
TAXON		

A total of 2444 data fields were reviewed. No errors were found.

Thirty-six samples were checked for the following parameters from data set XBSSWC5:

YEAR	D_O
TASK_CD	COND
SAMPLE	WQ_SDPTH
GEAR	PROC_DT
H2O_TEMP	

A total of 324 data fields were evaluated. Although no major errors were found, there were several discrepancies. The date entered in the PROC_DT field is actually the sample date, which is different from the process date. The data entered in field WQ_SDPTH is 0.3 for all samples, but the data sheets are either blank or have a "1" in the water quality depth column. Presumably, all water quality measurements were taken at a depth of 1 ft, i.e., 0.3 m.

* * *

Overall, 36 samples containing 5858 fields were checked for accuracy. No major errors were found. The discrepancies mentioned above were noted.

1986 Fall Shoals

One hundred eighteen samples were checked for the following parameters from data set XFSLV3:

YEAR	TIME	WAVE_HT
TASK_CD	RIV_MILE	VESL_CD
SAMPLE	RIV_DPTH	TOW_SPD
SITE	USE_CODE	TOW_DIR
DATE		

A total of 1534 data fields were reviewed. No errors were found.

One hundred eighteen samples were checked for the following parameters from data set XFSLV4:

YEAR	FLO_N	DURATION
TASK_CD	FLO_STRT	SAM_DPTH
SAMPLE	FLO_END	SAM_NARR
GEAR	FLOW_DIF	

A total of 1298 data fields were reviewed. The data sheet for sample 980499 shows 22866? (8 or 6) in field FLO_STRT and 14830 in FLO_DIF. The computer list shows FLO_STRT to be 228660 and FLO_DIF to be 14836. This is one error, or an accuracy rate of 99.92%.

One hundred eighteen samples with 531 observations were checked for the following parameters for data set XFSLV5:

YEAR	CT_YOY	DIV_2
TASK_CD	CT_YRLNG	CT_LC1
SAMPLE	CT_YR_OLD	CT_LC2
GEAR	CT_OLDER	CT_LC3
TAXON	DIV_1	CT_LC4

A total of 7965 data fields were reviewed. No errors were found.

One hundred eighteen samples with 309 observations were checked for the following parameters from data set XFSLV6:

YEAR	TAXON
TASK_CD	FISH_ID
SAMPLE	LENGTH
GEAR	PM

A total of 2472 data fields were reviewed. No errors were found.

* * *

Overall, 118 samples containing 13,269 fields were checked for accuracy. The only unresolved error, sample 980499 in data set XFSLV4, can probably be attributed to illegible writing.

1986 Ichthyoplankton

One hundred twenty samples were checked for the following parameters from data set XLRLV3:

YEAR	DATE	WAVE_HT
TASK_CD	TIME	VESL_CD
SAMPLE	RIV_MILE	TOW_SPD
GEAR	RIV_DPTH	TOW_DIR
SITE	USE_CODE	

A total of 1680 data fields were reviewed. No errors were found.

One hundred twenty samples were checked for the following parameters from data set XLRLV4:

YEAR	FLO_N	DURATION
TASK_CD	FLO_STRT	SAM_DPTH
SAMPLE	FLO_END	SAM_NARR
GEAR	FLOW_DIF	

A total of 1320 data fields were reviewed. No errors were found.

One hundred twenty samples with 641 observations were checked for the following parameters from data set XLRLV5:

YEAR	CT_PYSL	DIV_1
TASK_CD	CT_UNID	DIV_2
SAMPLE	CT_YOY	CT_LC1
GEAR	CT_YRLNG	CT_LC2
TAXON	CT_YR_OL	CT_LC3
CT_EGGS	CT_OLDER	CT_LC4
CT_YSL		

This is a total of 12,179 data fields. On the data sheet for sample 882205 under TAXON 39, Atlantic sturgeon, the DIV_1 and DIV_2 were entered as 40 and 150 mm, respectively, but the computer list had 0 and 0. For sample 880038 the DIV_2 length cutoff for TAXON 10, American eel, was 20 mm on the data sheet and 90 mm on the list; for TAXON 13, hogchoker, the length cutoff was 70 mm on the data sheet and 55 mm on the computer list. These are three errors, giving an accuracy rate of 99.98%.

One hundred twenty samples with 3582 observations were checked for the following parameters from data set XLRLV6:

YEAR	TAXON
TASK_CD	LIFE_STG
SAMPLE	LENGTH
GEAR	

A total of 25,074 data fields were reviewed. No errors were found.

* * *

Overall, 120 samples containing 40,253 fields were checked for accuracy. The only unresolved errors were in data set XLRLV5.

1987 Beach Seines

Fifty-eight samples were checked for the following parameters from data set XBSSLV3:

YEAR	DATE	WAVE_HT
TASK_CD	TIME	BTM_TYP
SAMPLE	RIV_MILE	USE_CODE
SITE	BEACH	COMMENTS

A total of 696 data fields were reviewed. No errors were found.

Fifty-eight samples were checked for the following parameters from data set XBSSLV4:

YEAR	GEAR
TASK_CD	SAM_NARR
SAMPLE	

A total of 290 data fields were reviewed. No errors were found.

Fifty-eight samples with 300 observations were checked for the following parameters from data set XBSSLV5:

YEAR	DIV_1	CT_LC4
TASK_CD	DIV_2	CT_YOY
SAMPLE	CT_LC1	CT_YRLNG
GEAR	CT_LC2	CT_YR_OLD

A total of 3600 data fields were reviewed. No errors were found.

Fifty-eight samples with 398 observations were checked for the following parameters for data set XBSSLV6:

YEAR	FISH_ID	LM
TASK_CD	LIFE_STG	QA_INIT
SAMPLE	LENGTH	INITIALS
GEAR	PM	PROC_DT
TAXON		

This is a total of 5174 data fields. Sample 230793 had a "4" in the PM column on the data sheet, but a "1" on the computer list. This is one error, giving an accuracy rate of 99.98%.

Fifty-eight samples were checked for the following parameters for data set XBSSWC5:

YEAR	GEAR	COND
TASK_CD	H2O_TEMP	WQ_SDPTH
SAMPLE	D_O	PROC_DT

A total of 522 data fields were reviewed. No errors were found.

* * *

Overall, 58 samples with 10,282 observations were checked for accuracy. The only unresolved error was found in data set XBSSLV6 (sample 230793).

1987 Fall Shoals

One hundred samples were checked for the following parameters from data set XFSLV3:

YEAR	TIME	WAVE_HT
TASK_CD	RIV_MILE	VESL_CD
SAMPLE	RIV_DPTH	TOW_SPD
SITE	USE_CODE	TOW_DIR
DATE		

This is a total of 1300 data fields. No errors were found.

One hundred samples were checked for the following parameters from data set XFSLV4:

YEAR	FLO_N	DURATION
TASK_CD	FLO_STRT	SAM_DPTH
SAMPLE	FLO_END	SAM_NARR
GEAR	FLO_DIF	

A total of 1100 fields were reviewed. Sample 980540 has FLO_N of 21285 on the data sheet and 91285 on the computer list; sample 980726 has FLO_N of 91279 on the data sheet and 91277 on the computer list. The computer list is probably correct based on identification numbers of other flowmeters on file. Ten samples had the RIV_DPTH value entered in the SAM_DPTH field on the computer list. There was no SAM_DPTH on the data sheets. This is two errors, giving an accuracy rate of 99.82%.

One hundred samples with 479 observations were checked for the following parameters from data set XFSLV5:

YEAR	CT_YOY	DIV_2
TASK_CD	CT_YRLNG	CT_LC1
SAMPLE	CT_YR_OL	CT_LC2
GEAR	CT_OLDER	CT_LC3
TAXON	DIV_1	CT_LC4

A total of 7185 data fields were reviewed. Fifteen samples had DIV_1 and DIV_2 length cutoff values on the computer list, but these values were not on the data sheets.

One hundred samples with 450 observations were checked for the following parameters for data set XFSLV6:

YEAR	TAXON
TASK_CD	FISH_ID
SAMPLE	LENGTH
GEAR	PM

This is a total of 3600 data fields. No errors were found.

* * *

Overall, 100 samples with 13,185 data fields were checked for accuracy. There were two errors in data set XFSLV4 in addition to the above-mentioned discrepancy in data set XFSLV5.

1987 Ichthyoplankton

One hundred thirty-seven samples were checked for the following parameters from data set XLRLV3:

YEAR	DATE	WAVE_HT
TASK_CD	TIME	VESL_CD
SAMPLE	RIV_MILE	TOW_SPD
GEAR	RIV_DPTH	TOW_DIR
SITE	USE_CODE	

A total of 1918 data fields were reviewed. No errors were found.

One hundred thirty-seven samples were checked for the following parameters from data set XLRLV4:

YEAR	FLO_N	DURATION
TASK_CD	FLO_STRT	SAM_DPTH
SAMPLE	FLO_END	PM
GEAR	FLO_DIF	

A total of 1507 data fields were reviewed. Thirty-seven samples had the RIV_DPTH value in the SAM_DPTH field on the computer list. The data sheet had only a RIV_DPTH value. Sample 882437 has a FLO_STRT of 87933? (6 or 0) and FLO_DIF of 10428. The computer list has FLO_STRT of 879336 and FLO_DIF of 10422. Assuming that the only errors are the two for FLO_STRT and FLO_DIF, the accuracy rate is 99.87%.

One hundred thirty-seven samples with 692 observations were checked for the following parameters in data set XLRLV5:

YEAR	CT_YSL	DIV_1
TASK_CD	CT_PYSL	DIV_2
SAMPLE	CT_UNID	CT_LC1
GEAR	CT_YRLNG	CT_LC2
TAXON	CT_YR_OL	CT_LC3
CT_EGGS	CT_OLDER	CT_LC4
CT_YOY		

A total of 13,148 data fields were reviewed. No errors were found.

One hundred thirty-seven samples with 3363 observations were checked for the following parameters in data set XLRLV6:

YEAR	TAXON
TASK_CD	FISH_ID
SAMPLE	LIFE_STG
GEAR	LENGTH

A total of 26,904 data fields were reviewed. Sample 880456 has one length error for TAXON 35, white perch (FISH_ID 15); the length is 2.8 cm on the computer list; it should be 2.3 cm, as on the data sheet. Sample 880666 has one length error for TAXON 35, white perch (FISH_ID 21); the length is 2.9 cm on the computer list; it should be 2.4 cm, as on the data sheet. This is two errors, giving an accuracy rate of 99.99%.

* * *

Overall, 137 samples with 44,477 data fields were checked for accuracy and four errors were found.

Total 1986 and 1987 Samples

The total number of samples checked was 569 and the total number of data fields was 127,324. With only 11 errors, there is an overall accuracy rate of 99.99%.

SUBTASK 2.2 - 100% QC OF FIVE FIELDS

Five designated fields were checked by means of SAS computer programs (listings of which appear in Attachment A; the actual programs will be sent at the end of the project). These programs generated graphs that showed values out of range and printouts with messages for possible errors.

The five fields that were checked are:

VOLUME STRATA	Checked for ichthyoplankton (ICHLRLV4) and fall shoals (ICHFSLV4)
BEACH RIV_MILE RIV_RUN	Checked for beach seines (BSSLV3)

The files given were:

ICHLRLV4 with variables YEAR, SAM_DPTH, TASK_CD, SAMPLE, GEAR, STRATA, FLO_N, FLO_DIF, VOLUME, DURATION

ICHLRLV3 with variables YEAR, TASK_CD, SAMPLE, DATE, TIME, RIV_MILE, RIV_DPTH, USE_CODE

FLOWDATA with variables FLO_N, B, A, DATE

VOLUME

In order to check the volume, a new volume was calculated as follows:

VOL_CAL = (FLO_DIF - A x DURATION x 60)/(100 x B) where A and B are calibrated factors from FLOWDATA

If data in field GEAR equal 18, then the VOL_CAL field is multiplied by 2.743066. The new VOL_CAL was subtracted from the original VOLUME. If the difference was >0.2, an error was noted. Table 1 presents possible errors identified by this program of (VOLUME - VOL_CAL). Figures 1-4 graph VOLUME vs FLO_DIF.

STRATA

A program was run to check STRATA as follows:

If STRATA = 1 (shoals), then RIV_DPTH ≤6.1 m (20 ft)

If STRATA = 2 (bottom), then RIV_DPTH >6.1 m (20 ft) and (RIV_DPTH - SAM_DPTH) ≤3.1 m (10 ft)

If STRATA = 3 (channel), then RIV_DPTH >6.1 m (20 ft) and (RIV_DPTH - SAM_DPTH) >3.1 m (10 ft)

Tables 2 and 3 show possible errors.

TABLE 1

SAMPLES WHERE (VOL_CAL - VOLUME) >0.2

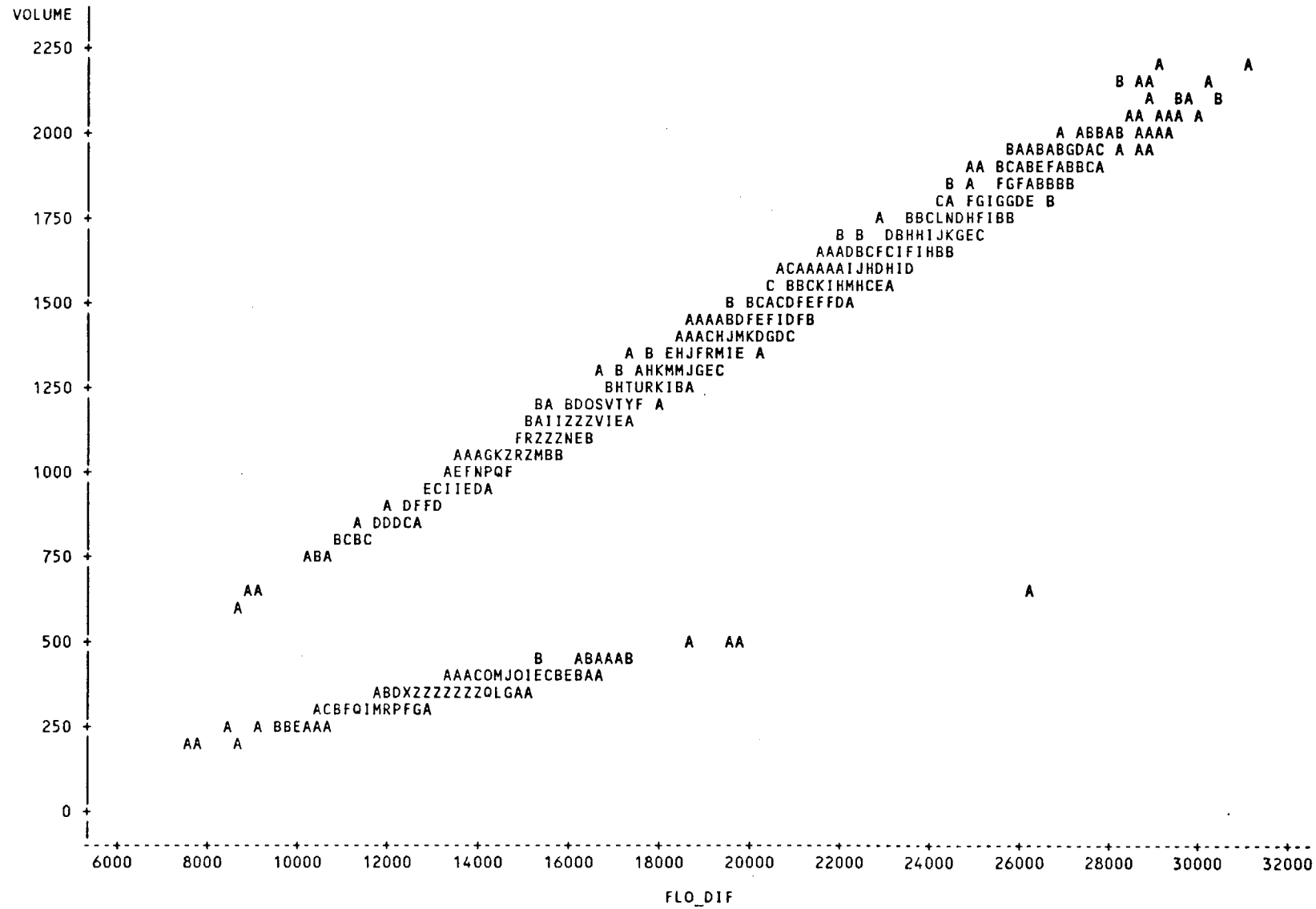
SAMPLE	VOLUME	VOL_CAL	DIFFERENCE
017042	366.1	368.1	-2.0
017045	569.5	574.1	-4.6
017048	460.7	463.9	-3.2
017051	459.9	463.2	-3.3
017054	928.5	937.6	-9.1
017057	488.6	492.2	-3.6
017060	534.5	538.7	-4.2
017063	596.6	601.6	-5.0
017066	504.8	508.6	-3.8
017069	499.9	503.6	-3.7
017072	456.9	460.1	-3.2
981985	1561.2	1563.0	-1.8
981988	1723.5	1725.4	-1.9
981997	1708.1	1710.0	-1.9
982000	1689.8	1691.7	-1.9
982003	1714.9	1716.8	-1.9
982009	1577.0	1578.8	-1.8
982018	1664.2	1666.0	-1.8
982024	1752.9	1754.0	-1.1
982030	1666.8	1668.6	-1.8
982033	1491.1	1492.7	-1.6
982036	1563.7	1565.4	-1.7
982039	1510.0	1511.7	-1.7
982045	1605.3	1607.1	-1.8
982048	1558.7	1560.5	-1.8
982054	1844.7	1846.7	-2.0
982057	1544.4	1546.1	-1.7
982063	1720.6	1722.5	-1.9
982065	1712.7	1714.6	-1.9
982068	1800.8	1802.9	-2.1
982070	1783.7	1785.7	-2.0
982073	1571.3	1573.0	-1.7
982076	1592.3	1594.1	-1.8
982082	2044.0	2046.3	-2.3
982091	1755.2	1757.1	-1.9
982094	1729.2	1731.1	-1.9
982097	1382.8	1384.4	-1.6
982100	1324.0	1325.5	-1.5
982103	1812.7	1814.7	-2.0

Figure 1

Subtask 2.2 for \FISH86\ 1986 Falls Shoals volume vs flo_dif

16:14 Tuesday, June 21, 1988 2

Plot of VOLUME*FLO_DIF. Legend: A = 1 obs, B = 2 obs, etc.

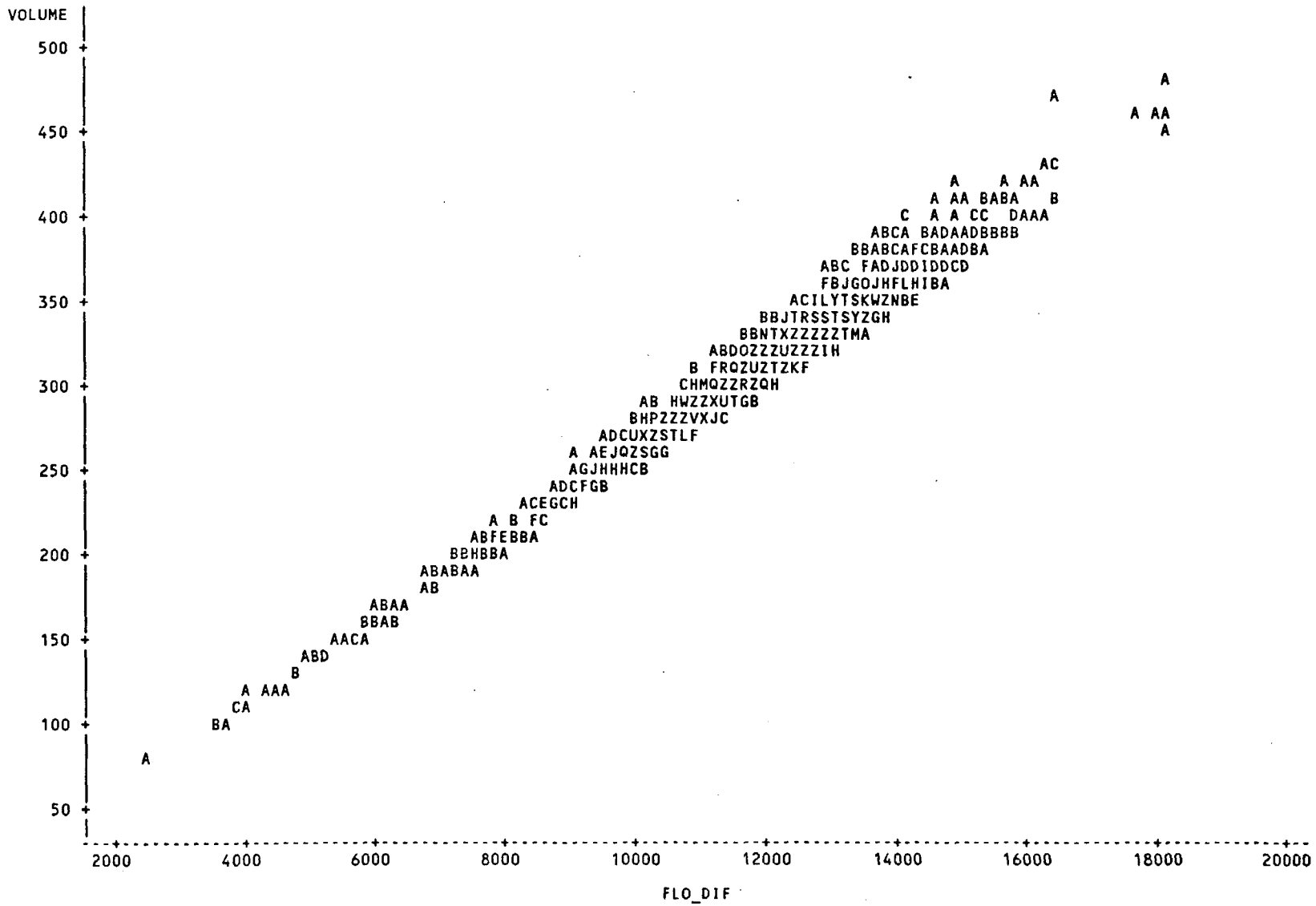


NOTE: 96 obs hidden.

Figure 2

Subtask 2.2 for \ICH86\ 1986 Ichthyoplankton 8:43 Wednesday, June 22, 1988 3
volume vs flo_dif

Plot of VOLUME*FLO_DIF. Legend: A = 1 obs, B = 2 obs, etc.

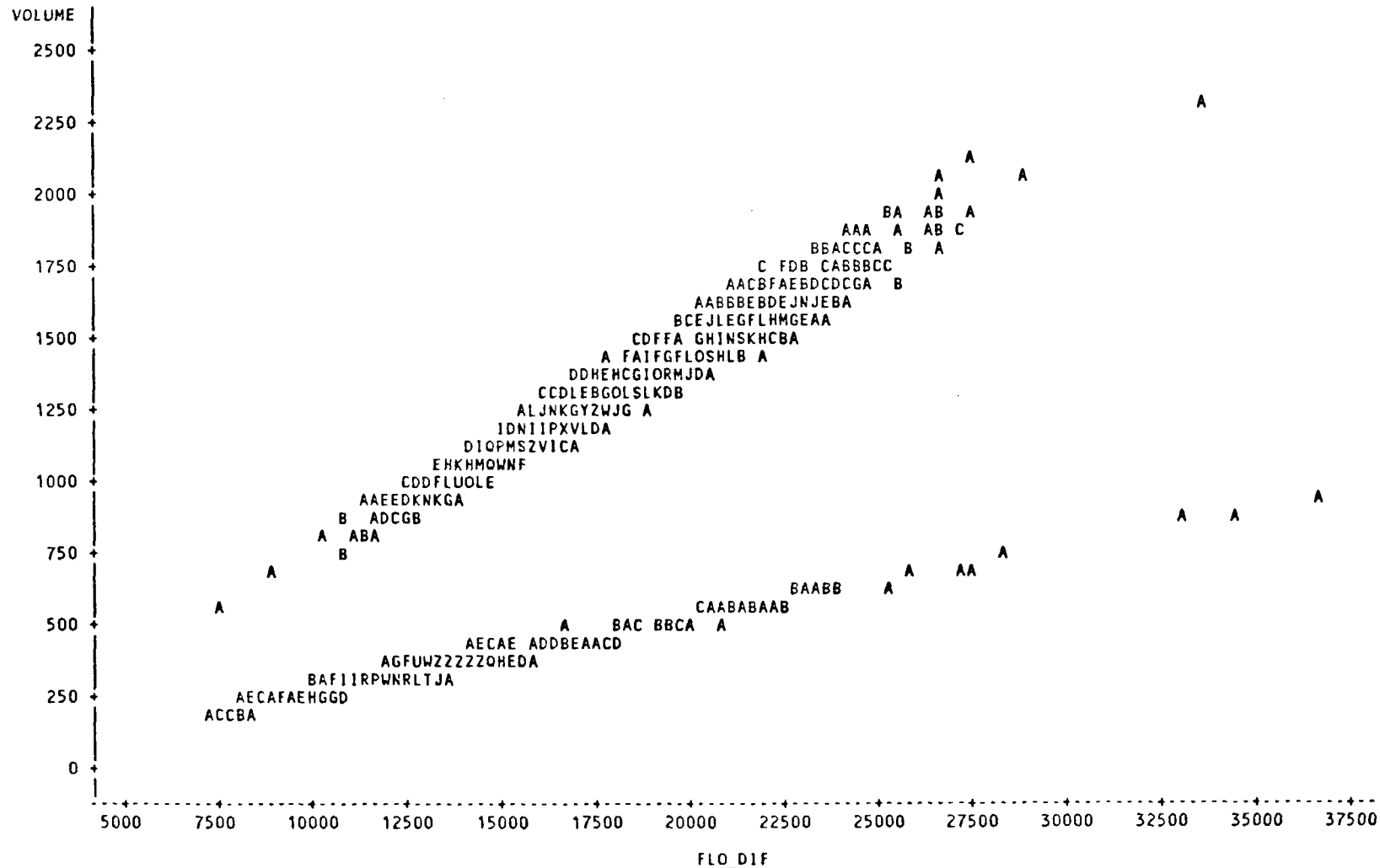


NOTE: 2 obs had missing values. 170 obs hidden.

Figure 3

Subtask 2.2 for \BSFS87\ 1987 Falls Shoals 11:16 Friday, July 1, 1988 6
volume vs flo_dif

Plot of VOLUME*FLO_DIF. Legend: A = 1 obs, B = 2 obs, etc.

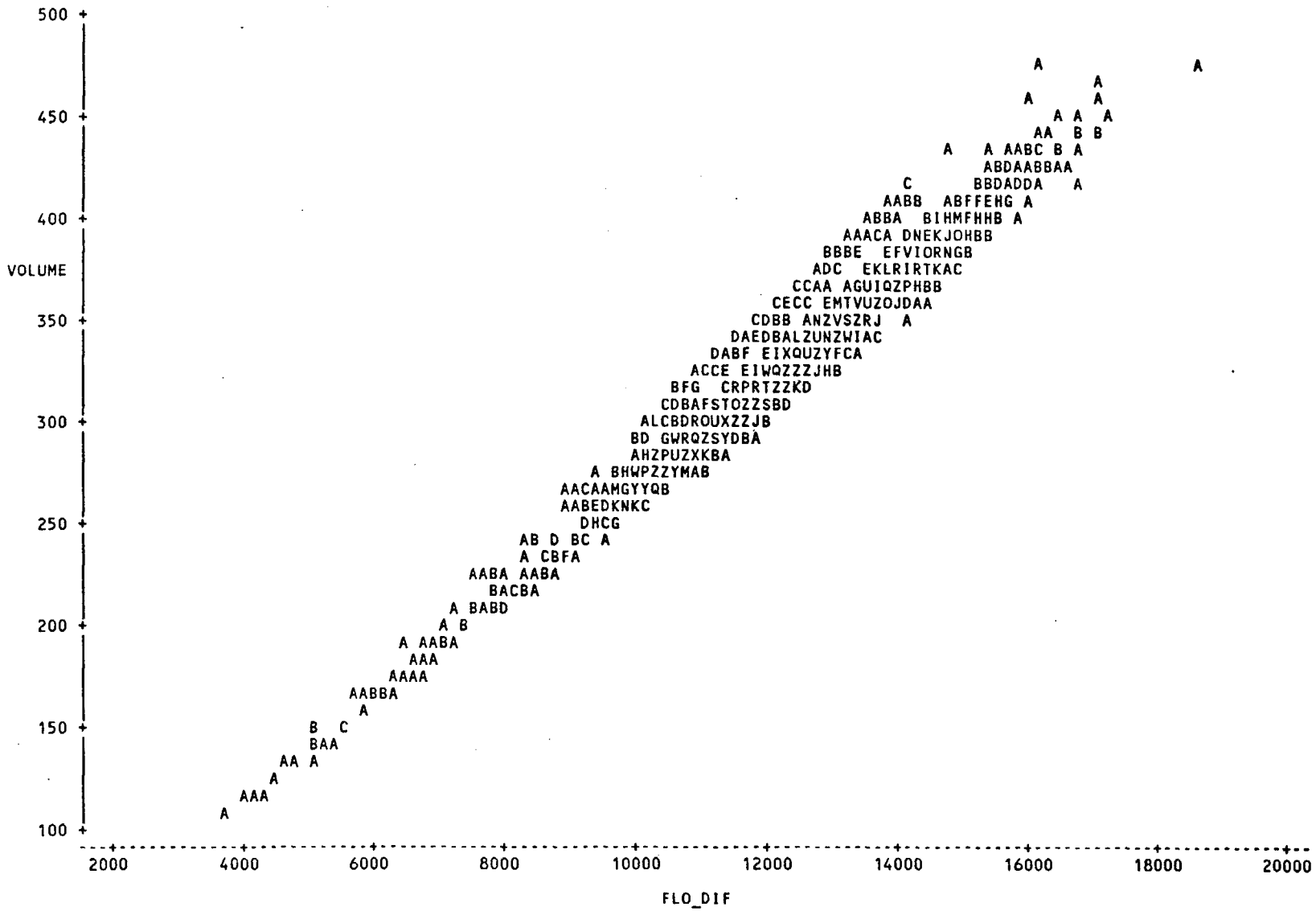


NOTE: 41 obs hidden.

Figure 4

Subtask 2.2 for \ICH87\ 1987 Ichthyoplankton 17:00 Tuesday, June 21, 1988 6
volume vs flo_dif

Plot of VOLUME*FLO_DIF. Legend: A = 1 obs, B = 2 obs, etc.



NOTE: 97 obs hidden.

TABLE 2

1986 - SAMPLES WITH POSSIBLE STRATA ERRORS

SAMPLE NUMBER	STRATA	RIV_DPTH	SAM_DPTH	RIV_DPTH - SAM_DPTH
980277	3	18.3	15.8	2.5
981034	3	12.8	10.1	2.7
981103	3	15.2	12.2	3.0
981264	3	9.1	7.3	1.8
981356	3	9.4	8.5	2.9
981395	3	9.8	7.6	2.2
981414	3	7.3	4.6	2.7
981619	3	15.2	12.2	3.0
981744	3	15.2	12.2	3.0
981759	3	12.8	10.4	2.4
981764	3	7.9	4.9	3.0
981838	3	12.2	9.8	2.4
981940	3	13.7	11.0	2.7
981974	3	7.6	5.2	2.4
982034	3	12.8	10.4	2.4
982078	3	7.6	4.6	3.0
982139	3	15.2	12.2	3.0
982218	3	9.1	6.4	2.7
880397	3	14.3	11.3	3.0
882221	3	7.3	5.2	2.1
882417	3	10.7	8.2	2.5
882471	3	9.8	8.5	1.3

TABLE 3 (Page 1 of 2)

1987 - SAMPLES WITH POSSIBLE STRATA ERRORS

SAMPLE NUMBER	STRATA	RIV_DPTH	SAM_DPTH	(RIV_DPTH - SAM_DPTH)
980803	1	6.4	6.4	0
981239	2	6.1	6.1	0
981344	3	6.1	3.0	3.1
981514	3	7.9	5.5	2.4
981579	2	6.1	6.1	0
981626	3	15.2	12.8	2.4
981873	3	6.1	3.0	3.1
981874	3	6.1	3.0	3.1
981982	3	6.1	3.0	3.1
981986	3	5.2	3.0	2.2
982108	2	6.1	6.1	0
982109	2	6.1	6.1	0
982110	3	6.1	3.0	3.1
982113	2	5.5	5.5	0
880027	3	7.6	6.1	1.5
880033	3	8.8	5.8	3.0
880035	3	8.5	6.7	1.8
880036	3	6.7	4.6	2.1
880039	3	6.7	4.0	2.7
880040	3	6.7	4.0	2.7
880043	3	7.3	5.5	1.8
880047	3	12.2	9.8	2.4
880049	3	12.2	9.8	2.4
880092	3	15.2	12.2	3.0
880110	3	9.1	6.4	2.7
880124	3	9.8	7.9	1.9
880134	3	7.6	4.6	3.0
880136	3	7.0	4.3	2.7
880137	3	7.0	4.9	2.1
880140	3	7.0	4.9	2.1
880141	3	7.0	4.9	2.1
880142	3	6.7	4.0	2.7
880143	3	7.0	4.9	2.1
880146	3	6.4	3.7	2.7
880147	3	8.8	6.1	1.7
880163	3	12.2	9.8	2.4
880176	3	10.7	8.5	2.2
880205	3	10.7	7.6	3.1
880267	3	9.4	6.7	2.7
880619	3	13.7	10.7	3.0
880681	3	14.3	11.3	3.0
880682	3	14.0	11.0	3.0

TABLE 3 (Page 2 of 2)

1987 - SAMPLES WITH POSSIBLE STRATA ERRORS

SAMPLE NUMBER	STRATA	RIV_DPTH	SAM_DPTH	(RIV_DPTH - SAM_DPTH)
880716	3	15.2	12.2	3.0
880720	3	8.8	5.8	3.0
880892	3	13.1	10.1	3.0
880911	3	13.1	10.1	3.0
880918	3	15.2	12.2	3.0
880935	3	13.7	11.0	2.7
880976	3	15.2	12.2	3.0
881026	3	18.3	17.1	1.2
881051	3	15.2	12.2	3.0
881172	3	12.2	9.8	2.4
881209	3	12.8	9.8	3.0
881235	3	10.1	7.0	3.1
881280	3	12.5	10.7	1.8
881327	3	15.2	12.2	3.0
881444	3	8.5	6.4	2.1
881537	3	12.2	9.1	3.1
881551	3	11.0	8.5	2.5
881611	3	7.0	5.5	1.5
881619	3	15.2	12.2	3.0
881651	3	9.8	7.9	1.9
881878	3	6.4	4.3	2.1
882055	3	15.2	12.2	3.0
882088	3	15.2	12.2	3.0
882122	3	8.5	5.8	2.7
882137	3	12.5	10.1	2.4
882405	3	13.7	11.0	2.7
882422	3	12.5	10.1	2.4
882496	3	10.4	8.2	2.2
882536	3	14.9	11.9	3.0
882720	3	7.3	4.3	3.0
882741	3	7.6	4.6	3.0
882774	3	13.4	10.7	2.7
882793	3	14.6	11.6	3.0
882851	3	15.5	12.5	3.0
883029	3	14.6	13.4	1.2
883129	3	15.2	12.2	3.0
883693	3	12.2	9.8	2.4

BEACH, RIV_MILE, RIV_RUN

Table 4 from Con Edison's 1987 Standard Operating Procedures (Table III-3) was used as the basis of an SAS program that was run to verify that BEACH and RIV_MILE matched each other and were in the correct region. No problems were found.

RIV_RUN values were checked to make sure that all samples had a valid RIV_RUN number.

TABLE 4

TABLE III-3. 1987 DESIGNATION OF BEACH SEINE SURVEY SITES WITHIN SUBREGIONS.

REGION I	(RM 12-23)	
	12-14	268,267,266,265
	15-17	264,263,262
	18-20	261,260,259,258
	21-23	257,256,255,254
REGION II	(RM 24-33)	
	24-26	253,252,251,250,249,248,247,246,270,271,283,284
	27-29	245,244,243,242,272
	30-33	241,240,239,238,237,236,269,285
REGION III	(RM 34-38)	
	34-35	235,234,233,232,231,230,229,274,275,277
	36-38	228,227,226,225,224,223,222,221,220
		276,278,279,280,281,282
REGION IV	(RM 39-46)	
	39-41	219,218,217,216,215,214,213,212,211,210,209,208
	42-44	207,206,205,204,203,202,201
	45-46	200,199,198
REGION V	(RM 47-55)	
	47-49	197,196
	50-52	195,194,193
	53-55	192,191,190,189
REGION VI	(RM 56-61)	
	56-58	188,187,186,185,184,183,182
	59-61	181,180,179,178,177,176,175,174
REGION VII	(RM 62-76)	
	62-64	173,172,171,170,169,168,167,166,165,164,163
	65-67	162,161,160
	68-70	159,158,157,156,155
	71-73	154,153,152,151,150
	74-76	149,148,147,146,145,144
REGION VIII	(RM 77-85)	
	77-79	143,142,141,140,139,138
	80-82	137,136,135,134
	83-85	133,132,131,130,129,128,127

TABLE III-3. (Continued)

REGION IX	(RM 86-93)
86-87	126,125,124,123
88-90	122,121,120
91-93	119,118,117,116
REGION X	(RM 94-106)
94-97	115,114,113,112,111,110,109,108,107,106,105,104,103,102,
98-100	101,100,99
101-103	------
104-106	98,97,96
REGION XI	(RM 107-124)
107-109	95,94,93,92
110-112	91,90,89,88
113-115	87,86,85,84,83,82,81,80,79
116-118	78,77,76,75,74,73
119-121	72,71,70,69,68,67,66,65
122-124	64,63,62,61,60,59,58,57,56,55
REGION XII	(RM 125-152)
125-128	54,53,52,51,50,49,48,47,46,45,44,43
129-131	42,41,40,39,38,37,36,35,34,33
132-134	32,31,30,29,28,27
135-137	26,25,24
138-140	23,22,21,20,19,18,17,16,15,14,13,12,11,10
141-143	9,8,7,6
144-146	5,4
147-149	3,2
150-152	1

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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File BS86TK22.SAS   1986 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1986 Beach Seine BEACH,RIV_MILE,RIV_RUN....  */

LIBNAME SAS01 'FISH86';
DATA zfile3(KEEP=year task_cd sample date time beach riv_mile
   riv_run use_code err_1 err_2 msg_1 msg_2);
   SET SAS01.BSSLV3;
   err_1=0;  err_2=0;  LENGTH msg_1 $30 msg_2 $30;
   IF riv_mile = . OR riv_mile < 12 OR riv_mile > 152 THEN err_1 = 1;
   IF riv_run = . THEN err_1 = 3;
   IF beach = . OR beach < 1 THEN err_1 = 4;
   IF err_1 = 1 THEN msg_1='RIV_MILE not 12-152';
   IF err_1 = 3 THEN msg_1='Missing RIV_RUN';
   IF err_1 = 4 THEN msg_1='Missing BEACH';

   IF err_1 NE 1 AND err_1 NE 4 THEN DO;
     IF(riv_mile GE 12 AND riv_mile LE 24) THEN zreg = 11;
     IF(riv_mile GE 15 AND riv_mile LE 17) THEN zreg = 12;
     IF(riv_mile GE 18 AND riv_mile LE 20) THEN zreg = 13;
     IF(riv_mile GE 21 AND riv_mile LE 23) THEN zreg = 14;
     IF(riv_mile GE 24 AND riv_mile LE 26) THEN zreg = 21;
     IF(riv_mile GE 27 AND riv_mile LE 29) THEN zreg = 22;
     IF(riv_mile GE 30 AND riv_mile LE 33) THEN zreg = 23;
     IF(riv_mile GE 34 AND riv_mile LE 35) THEN zreg = 31;
     IF(riv_mile GE 36 AND riv_mile LE 38) THEN zreg = 32;
     IF(riv_mile GE 39 AND riv_mile LE 41) THEN zreg = 41;
     IF(riv_mile GE 42 AND riv_mile LE 44) THEN zreg = 42;
     IF(riv_mile GE 45 AND riv_mile LE 46) THEN zreg = 43;
     IF(riv_mile GE 47 AND riv_mile LE 49) THEN zreg = 51;
     IF(riv_mile GE 50 AND riv_mile LE 52) THEN zreg = 52;
     IF(riv_mile GE 53 AND riv_mile LE 55) THEN zreg = 53;
     IF(riv_mile GE 56 AND riv_mile LE 58) THEN zreg = 61;
     IF(riv_mile GE 59 AND riv_mile LE 61) THEN zreg = 62;
     IF(riv_mile GE 62 AND riv_mile LE 64) THEN zreg = 71;
     IF(riv_mile GE 65 AND riv_mile LE 67) THEN zreg = 72;
     IF(riv_mile GE 68 AND riv_mile LE 70) THEN zreg = 73;
     IF(riv_mile GE 71 AND riv_mile LE 73) THEN zreg = 74;
     IF(riv_mile GE 74 AND riv_mile LE 76) THEN zreg = 75;
     IF(riv_mile GE 77 AND riv_mile LE 79) THEN zreg = 81;
     IF(riv_mile GE 80 AND riv_mile LE 82) THEN zreg = 82;
     IF(riv_mile GE 83 AND riv_mile LE 85) THEN zreg = 83;
     IF(riv_mile GE 86 AND riv_mile LE 87) THEN zreg = 91;
     IF(riv_mile GE 88 AND riv_mile LE 90) THEN zreg = 92;
     IF(riv_mile GE 91 AND riv_mile LE 93) THEN zreg = 93;
     IF(riv_mile GE 94 AND riv_mile LE 97) THEN zreg = 101;
     IF(riv_mile GE 98 AND riv_mile LE 100) THEN zreg = 102;
     IF(riv_mile GE 101 AND riv_mile LE 103) THEN zreg = 103;
     IF(riv_mile GE 104 AND riv_mile LE 106) THEN zreg = 104;
     IF(riv_mile GE 107 AND riv_mile LE 109) THEN zreg = 111;
     IF(riv_mile GE 110 AND riv_mile LE 112) THEN zreg = 112;
     IF(riv_mile GE 113 AND riv_mile LE 115) THEN zreg = 113;
     IF(riv_mile GE 116 AND riv_mile LE 118) THEN zreg = 114;
     IF(riv_mile GE 119 AND riv_mile LE 121) THEN zreg = 115;
     IF(riv_mile GE 122 AND riv_mile LE 124) THEN zreg = 116;
     IF(riv_mile GE 125 AND riv_mile LE 128) THEN zreg = 121;
     IF(riv_mile GE 129 AND riv_mile LE 131) THEN zreg = 122;
     IF(riv_mile GE 132 AND riv_mile LE 134) THEN zreg = 123;
     IF(riv_mile GE 135 AND riv_mile LE 137) THEN zreg = 124;
     IF(riv_mile GE 138 AND riv_mile LE 140) THEN zreg = 125;
     IF(riv_mile GE 141 AND riv_mile LE 143) THEN zreg = 126;
     IF(riv_mile GE 144 AND riv_mile LE 146) THEN zreg = 127;
     IF(riv_mile GE 147 AND riv_mile LE 149) THEN zreg = 128;
     IF(riv_mile GE 150 AND riv_mile LE 152) THEN zreg = 129;
     err_2 = zreg;
     IF(zreg=11 AND beach LE 268 AND beach GE 265) THEN err_2 = 0;
     IF(zreg=12 AND beach LE 264 AND beach GE 262) THEN err_2 = 0;
     IF(zreg=13 AND beach LE 261 AND beach GE 258) THEN err_2 = 0;
     IF(zreg=14 AND beach LE 257 AND beach GE 254) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 253 AND beach GE 246) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 271 AND beach GE 270) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 284 AND beach GE 283) THEN err_2 = 0;
     IF(zreg=22 AND beach LE 245 AND beach GE 242) THEN err_2 = 0;
     IF(zreg=22 AND beach = 272) THEN err_2 = 0;
     IF(zreg=23 AND beach LE 241 AND beach GE 236) THEN err_2 = 0;
     IF(zreg=23 AND beach = 269) THEN err_2 = 0;
     IF(zreg=23 AND beach = 285) THEN err_2 = 0;
     IF(zreg=31 AND beach = 277) THEN err_2 = 0;
     IF(zreg=31 AND beach LE 275 AND beach GE 274) THEN err_2 = 0;
     IF(zreg=31 AND beach LE 235 AND beach GE 229) THEN err_2 = 0;
     IF(zreg=32 AND beach LE 282 AND beach GE 278) THEN err_2 = 0;
     IF(zreg=32 AND beach = 276) THEN err_2 = 0;
     IF(zreg=32 AND beach LE 228 AND beach GE 220) THEN err_2 = 0;
     IF(zreg=41 AND beach LE 219 AND beach GE 208) THEN err_2 = 0;
     IF(zreg=42 AND beach LE 207 AND beach GE 201) THEN err_2 = 0;
     IF(zreg=43 AND beach LE 200 AND beach GE 198) THEN err_2 = 0;
     IF(zreg=51 AND beach LE 197 AND beach GE 196) THEN err_2 = 0;
     IF(zreg=52 AND beach LE 195 AND beach GE 193) THEN err_2 = 0;
     IF(zreg=53 AND beach LE 192 AND beach GE 189) THEN err_2 = 0;
     IF(zreg=61 AND beach LE 188 AND beach GE 182) THEN err_2 = 0;
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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
      IF(zreg=62 AND beach LE 181 AND beach GE 174) THEN err_2 = 0;
      IF(zreg=71 AND beach LE 173 AND beach GE 163) THEN err_2 = 0;
      IF(zreg=72 AND beach LE 162 AND beach GE 160) THEN err_2 = 0;
      IF(zreg=73 AND beach LE 159 AND beach GE 155) THEN err_2 = 0;
      IF(zreg=74 AND beach LE 154 AND beach GE 150) THEN err_2 = 0;
      IF(zreg=75 AND beach LE 149 AND beach GE 144) THEN err_2 = 0;
      IF(zreg=81 AND beach LE 143 AND beach GE 138) THEN err_2 = 0;
      IF(zreg=82 AND beach LE 137 AND beach GE 134) THEN err_2 = 0;
      IF(zreg=83 AND beach LE 133 AND beach GE 127) THEN err_2 = 0;
      IF(zreg=91 AND beach LE 126 AND beach GE 123) THEN err_2 = 0;
      IF(zreg=92 AND beach LE 122 AND beach GE 120) THEN err_2 = 0;
      IF(zreg=93 AND beach LE 119 AND beach GE 116) THEN err_2 = 0;
      IF(zreg=101 AND beach LE 115 AND beach GE 102) THEN err_2 = 0;
      IF(zreg=102 AND beach LE 101 AND beach GE 99) THEN err_2 = 0;
      IF(zreg=104 AND beach LE 98 AND beach GE 96) THEN err_2 = 0;
      IF(zreg=111 AND beach LE 95 AND beach GE 92) THEN err_2 = 0;
      IF(zreg=112 AND beach LE 91 AND beach GE 88) THEN err_2 = 0;
      IF(zreg=113 AND beach LE 87 AND beach GE 79) THEN err_2 = 0;
      IF(zreg=114 AND beach LE 78 AND beach GE 73) THEN err_2 = 0;
      IF(zreg=115 AND beach LE 72 AND beach GE 65) THEN err_2 = 0;
      IF(zreg=116 AND beach LE 64 AND beach GE 55) THEN err_2 = 0;
      IF(zreg=121 AND beach LE 54 AND beach GE 43) THEN err_2 = 0;
      IF(zreg=122 AND beach LE 42 AND beach GE 33) THEN err_2 = 0;
      IF(zreg=123 AND beach LE 32 AND beach GE 27) THEN err_2 = 0;
      IF(zreg=124 AND beach LE 26 AND beach GE 24) THEN err_2 = 0;
      IF(zreg=125 AND beach LE 23 AND beach GE 10) THEN err_2 = 0;
      IF(zreg=126 AND beach LE 9 AND beach GE 6) THEN err_2 = 0;
      IF(zreg=127 AND beach LE 5 AND beach GE 4) THEN err_2 = 0;
      IF(zreg=128 AND beach LE 3 AND beach GE 2) THEN err_2 = 0;
      IF(zreg=129 AND beach=1) THEN err_2 = 0;
    END;
    IF err_2 > 0 THEN msg_2 = 'undesignated beach in region';
    IF err_1 > 0 OR err_2 > 0 THEN OUTPUT; RUN;

TITLE 'Subtask 2.2  Audit 1986 BEACH, RIV_MILE, RIV_RUN...\FISH86';
PROC PRINT DATA=zfile3;  TITLE2 'Suspicious Samples';  RUN;

PROC PLOT DATA=SAS01.BSSLV3; TITLE2 'BEACH VS RIV_MILE';
   PLOT beach*riv_mile;  RUN;

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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File BS87TK22.SAS   1987 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1987 Beach Seine BEACH,RIV_MILE,RIV_RUN....  */

LIBNAME SAS01 'BSFS87';
DATA zfile3(KEEP=year task_cd sample date time beach riv_mile
   riv_run use code err_1 err_2 msg_1 msg_2);
   SET SAS01.BSSLV3;
   err_1=0;  err_2=0;  LENGTH msg_1 $30 msg_2 $30;
   IF riv_mile = . OR riv_mile < 12 OR riv_mile > 152 THEN err_1 = 1;
   IF riv_run = . THEN err_1 = 3;
   IF beach = . OR beach < 1 THEN err_1 = 4;
   IF err_1 = 1 THEN msg_1='RIV_MILE not 12-152';
   IF err_1 = 3 THEN msg_1='Missing RIV_RUN';
   IF err_1 = 4 THEN msg_1='Missing BEACH';

   IF err_1 NE 1 AND err_1 NE 4 THEN DO;
     IF(riv_mile GE 12 AND riv_mile LE 24) THEN zreg = 11;
     IF(riv_mile GE 15 AND riv_mile LE 17) THEN zreg = 12;
     IF(riv_mile GE 18 AND riv_mile LE 20) THEN zreg = 13;
     IF(riv_mile GE 21 AND riv_mile LE 23) THEN zreg = 14;
     IF(riv_mile GE 24 AND riv_mile LE 26) THEN zreg = 21;
     IF(riv_mile GE 27 AND riv_mile LE 29) THEN zreg = 22;
     IF(riv_mile GE 30 AND riv_mile LE 33) THEN zreg = 23;
     IF(riv_mile GE 34 AND riv_mile LE 35) THEN zreg = 31;
     IF(riv_mile GE 36 AND riv_mile LE 38) THEN zreg = 32;
     IF(riv_mile GE 39 AND riv_mile LE 41) THEN zreg = 41;
     IF(riv_mile GE 42 AND riv_mile LE 44) THEN zreg = 42;
     IF(riv_mile GE 45 AND riv_mile LE 46) THEN zreg = 43;
     IF(riv_mile GE 47 AND riv_mile LE 49) THEN zreg = 51;
     IF(riv_mile GE 50 AND riv_mile LE 52) THEN zreg = 52;
     IF(riv_mile GE 53 AND riv_mile LE 55) THEN zreg = 53;
     IF(riv_mile GE 56 AND riv_mile LE 58) THEN zreg = 61;
     IF(riv_mile GE 59 AND riv_mile LE 61) THEN zreg = 62;
     IF(riv_mile GE 62 AND riv_mile LE 64) THEN zreg = 71;
     IF(riv_mile GE 65 AND riv_mile LE 67) THEN zreg = 72;
     IF(riv_mile GE 68 AND riv_mile LE 70) THEN zreg = 73;
     IF(riv_mile GE 71 AND riv_mile LE 73) THEN zreg = 74;
     IF(riv_mile GE 74 AND riv_mile LE 76) THEN zreg = 75;
     IF(riv_mile GE 77 AND riv_mile LE 79) THEN zreg = 81;
     IF(riv_mile GE 80 AND riv_mile LE 82) THEN zreg = 82;
     IF(riv_mile GE 83 AND riv_mile LE 85) THEN zreg = 83;
     IF(riv_mile GE 86 AND riv_mile LE 87) THEN zreg = 91;
     IF(riv_mile GE 88 AND riv_mile LE 90) THEN zreg = 92;
     IF(riv_mile GE 91 AND riv_mile LE 93) THEN zreg = 93;
     IF(riv_mile GE 94 AND riv_mile LE 97) THEN zreg = 101;
     IF(riv_mile GE 98 AND riv_mile LE 100) THEN zreg = 102;
     IF(riv_mile GE 101 AND riv_mile LE 103) THEN zreg = 103;
     IF(riv_mile GE 104 AND riv_mile LE 106) THEN zreg = 104;
     IF(riv_mile GE 107 AND riv_mile LE 109) THEN zreg = 111;
     IF(riv_mile GE 110 AND riv_mile LE 112) THEN zreg = 112;
     IF(riv_mile GE 113 AND riv_mile LE 115) THEN zreg = 113;
     IF(riv_mile GE 116 AND riv_mile LE 118) THEN zreg = 114;
     IF(riv_mile GE 119 AND riv_mile LE 121) THEN zreg = 115;
     IF(riv_mile GE 122 AND riv_mile LE 124) THEN zreg = 116;
     IF(riv_mile GE 125 AND riv_mile LE 128) THEN zreg = 121;
     IF(riv_mile GE 129 AND riv_mile LE 131) THEN zreg = 122;
     IF(riv_mile GE 132 AND riv_mile LE 134) THEN zreg = 123;
     IF(riv_mile GE 135 AND riv_mile LE 137) THEN zreg = 124;
     IF(riv_mile GE 138 AND riv_mile LE 140) THEN zreg = 125;
     IF(riv_mile GE 141 AND riv_mile LE 143) THEN zreg = 126;
     IF(riv_mile GE 144 AND riv_mile LE 146) THEN zreg = 127;
     IF(riv_mile GE 147 AND riv_mile LE 149) THEN zreg = 128;
     IF(riv_mile GE 150 AND riv_mile LE 152) THEN zreg = 129;
     err_2 = zreg;
     IF(zreg=11 AND beach LE 268 AND beach GE 265) THEN err_2 = 0;
     IF(zreg=12 AND beach LE 264 AND beach GE 262) THEN err_2 = 0;
     IF(zreg=13 AND beach LE 261 AND beach GE 258) THEN err_2 = 0;
     IF(zreg=14 AND beach LE 257 AND beach GE 254) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 253 AND beach GE 246) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 271 AND beach GE 270) THEN err_2 = 0;
     IF(zreg=21 AND beach LE 284 AND beach GE 283) THEN err_2 = 0;
     IF(zreg=22 AND beach LE 245 AND beach GE 242) THEN err_2 = 0;
     IF(zreg=22 AND beach = 272) THEN err_2 = 0;
     IF(zreg=23 AND beach LE 241 AND beach GE 236) THEN err_2 = 0;
     IF(zreg=23 AND beach = 269) THEN err_2 = 0;
     IF(zreg=23 AND beach = 285) THEN err_2 = 0;
     IF(zreg=31 AND beach = 277) THEN err_2 = 0;
     IF(zreg=31 AND beach LE 275 AND beach GE 274) THEN err_2 = 0;
     IF(zreg=31 AND beach LE 235 AND beach GE 229) THEN err_2 = 0;
     IF(zreg=32 AND beach LE 282 AND beach GE 278) THEN err_2 = 0;
     IF(zreg=32 AND beach = 276) THEN err_2 = 0;
     IF(zreg=32 AND beach LE 228 AND beach GE 220) THEN err_2 = 0;
     IF(zreg=41 AND beach LE 219 AND beach GE 208) THEN err_2 = 0;
     IF(zreg=42 AND beach LE 207 AND beach GE 201) THEN err_2 = 0;
     IF(zreg=43 AND beach LE 200 AND beach GE 198) THEN err_2 = 0;
     IF(zreg=51 AND beach LE 197 AND beach GE 196) THEN err_2 = 0;
     IF(zreg=52 AND beach LE 195 AND beach GE 193) THEN err_2 = 0;
     IF(zreg=53 AND beach LE 192 AND beach GE 189) THEN err_2 = 0;
     IF(zreg=61 AND beach LE 188 AND beach GE 182) THEN err_2 = 0;
```

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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
      IF(zreg=62 AND beach LE 181 AND beach GE 174) THEN err_2 = 0;
      IF(zreg=71 AND beach LE 173 AND beach GE 163) THEN err_2 = 0;
      IF(zreg=72 AND beach LE 162 AND beach GE 160) THEN err_2 = 0;
      IF(zreg=73 AND beach LE 159 AND beach GE 155) THEN err_2 = 0;
      IF(zreg=74 AND beach LE 154 AND beach GE 150) THEN err_2 = 0;
      IF(zreg=75 AND beach LE 149 AND beach GE 144) THEN err_2 = 0;
      IF(zreg=81 AND beach LE 143 AND beach GE 138) THEN err_2 = 0;
      IF(zreg=82 AND beach LE 137 AND beach GE 134) THEN err_2 = 0;
      IF(zreg=83 AND beach LE 133 AND beach GE 127) THEN err_2 = 0;
      IF(zreg=91 AND beach LE 126 AND beach GE 123) THEN err_2 = 0;
      IF(zreg=92 AND beach LE 122 AND beach GE 120) THEN err_2 = 0;
      IF(zreg=93 AND beach LE 119 AND beach GE 116) THEN err_2 = 0;
      IF(zreg=101 AND beach LE 115 AND beach GE 102) THEN err_2 = 0;
      IF(zreg=102 AND beach LE 101 AND beach GE 99) THEN err_2 = 0;
      IF(zreg=104 AND beach LE 98 AND beach GE 96) THEN err_2 = 0;
      IF(zreg=111 AND beach LE 95 AND beach GE 92) THEN err_2 = 0;
      IF(zreg=112 AND beach LE 91 AND beach GE 88) THEN err_2 = 0;
      IF(zreg=113 AND beach LE 87 AND beach GE 79) THEN err_2 = 0;
      IF(zreg=114 AND beach LE 78 AND beach GE 73) THEN err_2 = 0;
      IF(zreg=115 AND beach LE 72 AND beach GE 65) THEN err_2 = 0;
      IF(zreg=116 AND beach LE 64 AND beach GE 55) THEN err_2 = 0;
      IF(zreg=121 AND beach LE 54 AND beach GE 43) THEN err_2 = 0;
      IF(zreg=122 AND beach LE 42 AND beach GE 33) THEN err_2 = 0;
      IF(zreg=123 AND beach LE 32 AND beach GE 27) THEN err_2 = 0;
      IF(zreg=124 AND beach LE 26 AND beach GE 24) THEN err_2 = 0;
      IF(zreg=125 AND beach LE 23 AND beach GE 10) THEN err_2 = 0;
      IF(zreg=126 AND beach LE 9 AND beach GE 6) THEN err_2 = 0;
      IF(zreg=127 AND beach LE 5 AND beach GE 4) THEN err_2 = 0;
      IF(zreg=128 AND beach LE 3 AND beach GE 2) THEN err_2 = 0;
      IF(zreg=129 AND beach=1) THEN err_2 = 0;
    END;
    IF err_2 > 0 THEN msg_2 = 'undesignated beach in region';
    IF err_1 > 0 OR err_2 > 0 THEN OUTPUT; RUN;

TITLE 'Subtask 2.2  Audit 1987 BEACH, RIV_MILE, RIV_RUN...\BSFS87';
PROC PRINT DATA=zfile3;  TITLE2 'Suspicious Samples';  RUN;

PROC PLOT DATA=SAS01.BSSLV3; TITLE2 'BEACH VS RIV_MILE';
    PLOT beach*riv_mile;  RUN;

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File FS86TK22.SAS   1986 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1986 Falls Shoal VOLUME,STRATA,RIV_MILE,RIV_RUN...  */

LIBNAME SAS01 'FISH86';
DATA zlv3(KEEP=year task_cd sample date time riv_mile riv_run
   gear strata riv_dpth sam_dpth use_code duration flo_n flo_dif
   volume err_1 err_2 err_3 msg_a err_4 msg_b flo_strt flo_end);
   MERGE SAS01.ICHFSLV3 SAS01.ICHFSLV4; BY year task_cd sample;
   err_1=0; err_2=0; err_3=0; err_4=0; LENGTH msg_a $30 msg_b $30;
   IF strata EQ 1 AND riv_dpth GT 6.1 THEN err_1 EQ 1;
   IF strata EQ 2 AND (riv_dpth - sam_dpth) GT 3.1 THEN err_1 = 1;
   IF strata EQ 3 AND (riv_dpth - sam_dpth) LE 3.1 THEN err_1 = 1;
   IF strata GT 1 AND riv_dpth LE 6.1 THEN err_1 = err_1 + 10;
   IF use_code NE 5 THEN DO;       * NOT for voided samples;
     IF riv_mile LT 12 OR riv_mile GT 152 THEN err_2 = 1;
     IF riv_run LT 1 THEN err_3 = 1;  END;  RUN;

PROC SORT DATA=SAS01.FLOW OUT=zflow; BY flo_n date; RUN;
PROC SORT DATA=zlv3 OUT=zfld; BY flo_n date time; RUN;
DATA zvol(DROP=A B N_flo); MERGE zfld(IN=INFLD) zflow(IN=INFLOW);
   BY flo_n date;  RETAIN A_val B_val N_flo;
   err_4 = 0;
   IF INFLOW AND INFLD THEN err_4 = 1;  *calibrating & using...;
   IF INFLOW THEN DO;
      A_val = A;  B_val = B;  N_flo = flo_n; END;
   IF(INFLD AND use_code NE 5) THEN DO;
     IF ABS(flo_n - n_flo) GT 0.5 THEN DO;
        err_4 = 2;  vol_cal = .X;  END;
     ELSE
        vol_cal = (flo_dif-A_val * duration*60) / (100*B_val);
        IF(ABS(vol_cal - volume) GT 0.1) THEN err_4 = err_4 + 10;
        vol_cal = ROUND(vol_cal,0.1);
     END;
   IF INFLD THEN OUTPUT;
   RUN;

PROC SORT DATA=zvol OUT=zlv3; BY year task_cd sample; RUN;
DATA zerr; SET zlv3;
   IF err_1 GT 0 OR err_2 GT 0 OR err_3 GT 0 OR err_4 GT 0;
   IF err_1 GT 0 THEN msg_a = 'wrong DPTH for STRATA';
   IF err_2 GT 0 THEN msg_a = 'RIV_MILE not 12-152';
   IF err_3 GT 0 THEN msg_a = 'RIV_RUN not >=1';
   IF err_4 EQ 1 THEN msg_b = 'cal.FLO_N in use at same time';
   IF err_4 EQ 2 THEN msg_b = 'FLO_N missing or NOT calibrated';
   IF err_4 GE 10 THEN msg_b = 'VOL_CAL - VOLUME > 0.1';
   RUN;

TITLE 'Subtask 2.2 for \FISH86\ 1986 Falls Shoals';
TITLE2 'Suspicious samples';
PROC PRINT DATA=zerr; RUN;

DATA SAS01.zlv3; set zlv3; RUN;
DATA zlv3; SET zlv3; IF use_code NE 5;  RUN;
PROC PLOT DATA=zlv3;
   PLOT vol_cal*duration; TITLE2 'volume vs duration';  RUN;
PROC PLOT DATA=zlv3;
   PLOT vol_cal*flo_dif ; TITLE2 'volume vs flo_dif';   RUN;

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File LR86TK22.SAS   1986 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1986 Ichthyo VOLUME,STRATA,RIV_MILE,RIV_RUN...  */

LIBNAME SAS01 'ICH86';
DATA zlv3(KEEP=year task_cd sample date time riv_mile riv_run
   gear strata riv_dpth sam_dpth use_code duration flo_n flo_dif
   volume err_1 err_2 err_3 err_4 flo_strt flo_end);
   MERGE SAS01.ICHLRLV3 SAS01.ICHLRLV4; BY year task_cd sample;
   err_1=0; err_2=0; err_3=0; err_4=0;
   IF strata EQ 1 AND riv_dpth GT 6.1 THEN err_1 = 1;
   IF strata EQ 2 AND (riv_dpth - sam_dpth) GT 3.1 THEN err_1 = 1;
   IF strata EQ 3 AND (riv_dpth - sam_dpth) LE 3.1 THEN err_1 = 1;
   IF strata GT 1 AND riv_dpth LE 6.1 THEN err_1 = err_1 + 10;
   IF use_code NE 5 THEN DO;       * NOT for voided samples;
     IF riv_mile LT 12 OR riv_mile GT 152 THEN err_2 = 1;
     IF riv_run LT 1 THEN err_3 = 1;  END;  RUN;

PROC SORT DATA=SAS01.FLOWDATA OUT=zflow; BY flo_n date; RUN;
PROC SORT DATA=zlv3 OUT=zfld; BY flo_n date time; RUN;
DATA zvol(DROP=A B N_flo); MERGE zfld(IN=INFLD) zflow(IN=INFLOW);
   BY flo_n date;  RETAIN A_val B_val N_flo;
   err_4 = 0;
   IF INFLOW AND INFLD THEN err_4 = 1;  *calibrating & using...;
   IF INFLOW THEN DO;
      A_val = A;  B_val = B;  N_flo = flo_n; END;
   IF(INFLD AND use_code NE 5) THEN DO;
     IF ABS(flo_n - n_flo) GT 0.5 THEN DO;
        err_4 = 2;  vol_cal = .X;  END;
     ELSE
        vol_cal = (flo_dif-A_val * duration*60) / (100*B_val);
        IF gear EQ 18 THEN vol_cal = vol_cal * 2.743066;
        IF(ABS(vol_cal - volume) GT 0.2) THEN err_4 = err_4 + 10;
        vol_cal = ROUND(vol_cal,0.1);
     END;
   IF INFLD THEN OUTPUT;
   RUN;

PROC SORT DATA=zvol OUT=zlv3; BY year task_cd sample; RUN;
DATA zerr; SET zlv3;
   IF err_1 GT 0 OR err_2 GT 0 OR err_3 GT 0 OR err_4 GT 0;
   IF err_1 GT 0 THEN msg_a = 'wrong DPTH for STRATA';
   IF err_2 GT 0 THEN msg_a = 'RIV_MILE not 12-152';
   IF err_3 GT 0 THEN msg_a = 'RIV_RUN not >=1';
   IF err_4 EQ 1 THEN msg_b = 'cal.FLO_N in use at same time';
   IF err_4 EQ 2 THEN msg_b = 'FLO_N missing or uncalibrated';
   IF err_4 GE 10 THEN msg_b = 'VOL_CAL - VOLUME > 0.1';
   RUN;

TITLE 'Subtask 2.2 for \ICH86\ 1986 Ichthyoplankton';
TITLE2 'Suspicious samples';
PROC PRINT DATA=zerr; RUN;

DATA SAS01.zlv3; set zlv3; RUN;
DATA zlv3; SET zlv3; IF use_code NE 5;  RUN;
PROC PLOT DATA=zlv3;
   PLOT volume*duration; TITLE2 'volume vs duration';  RUN;
PROC PLOT DATA=zlv3;
   PLOT volume*flo_dif ; TITLE2 'volume vs flo_dif';   RUN;

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File LR87TK22.SAS   1987 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1987 Ichthyo VOLUME,STRATA,RIV_MILE,RIV_RUN...  */

LIBNAME SAS01 'ICH87';
DATA zlv3(KEEP=year task_cd sample date time riv_mile riv_run
   gear strata riv_dpth sam_dpth use_code duration flo_n flo_dif
   volume err_1 err_2 err_3 err_4 flo_strt flo_end);
   MERGE SAS01.ICHLRLV3 SAS01.ICHLRLV4; BY year task_cd sample;
   err_1=0; err_2=0; err_3=0; err_4=0;
   IF strata EQ 1 AND riv_dpth GT 6.1 THEN err_1 = 1;
   IF strata EQ 2 AND (riv_dpth - sam_dpth) GT 3.1 THEN err_1 = 1;
   IF strata EQ 3 AND (riv_dpth - sam_dpth) LE 3.1 THEN err_1 = 1;
   IF strata GT 1 AND riv_dpth LE 6.1 THEN err_1 = err_1 + 10;
   IF use_code NE 5 THEN DO;      * NOT for voided samples;
     IF riv_mile LT 12 OR riv_mile GT 152 THEN err_2 = 1;
     IF riv_run LT 1 THEN err_3 = 1;  END;  RUN;

PROC SORT DATA=SAS01.FLOWDATA OUT=zflow; BY flo_n date; RUN;
PROC SORT DATA=zlv3 OUT=zfld; BY flo_n date time; RUN;
DATA zvol(DROP=A B N_flo); MERGE zfld(IN=INFLD) zflow(IN=INFLOW);
   BY flo_n date;  RETAIN A_val B_val N_flo;
   err_4 = 0;
   IF INFLOW AND INFLD THEN err_4 = 1;  *calibrating & using...;
   IF INFLOW THEN DO;
      A_val = A;  B_val = B;  N_flo = flo_n; END;
   IF(INFLD AND use_code NE 5) THEN DO;
     IF ABS(flo_n - n_flo) GT 0.5 THEN DO;
        err_4 = 2;  vol_cal = .X;  END;
     ELSE
        vol_cal = (flo_dif-A_val * duration*60) / (100*B_val);
        IF gear EQ 18 THEN vol_cal = vol_cal * 2.743066;
        IF(ABS(vol_cal - volume) GT 0.2) THEN err_4 = err_4 + 10;
        vol_cal = ROUND(vol_cal,0.1);
     END;
   IF INFLD THEN OUTPUT;
   RUN;

PROC SORT DATA=zvol OUT=zlv3; BY year task_cd sample; RUN;
DATA zerr; SET zlv3;
   IF err_1 GT 0 OR err_2 GT 0 OR err_3 GT 0 OR err_4 GT 0;
   IF err_1 GT 0 THEN msg_a = 'wrong DPTH for STRATA';
   IF err_2 GT 0 THEN msg_a = 'RIV_MILE not 12-152';
   IF err_3 GT 0 THEN msg_a = 'RIV_RUN not >=1';
   IF err_4 EQ 1 THEN msg_b = 'cal.FLO_N in use at same time';
   IF err_4 EQ 2 THEN msg_b = 'FLO_N missing or uncalibrated';
   IF err_4 GE 10 THEN msg_b = 'VOL_CAL - VOLUME > 0.1';
   RUN;

TITLE 'Subtask 2.2 for \ICH87\ 1987 Ichthyoplankton';
TITLE2 'Suspicious samples';
PROC PRINT DATA=zerr; RUN;

DATA SAS01.zlv3; set zlv3; RUN;
DATA zlv3; SET zlv3; IF use_code NE 5;  RUN;
PROC PLOT DATA=zlv3;
   PLOT volume*duration; TITLE2 'volume vs duration';  RUN;
PROC PLOT DATA=zlv3;
   PLOT volume*flo_dif ; TITLE2 'volume vs flo_dif';   RUN;

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
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....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
OPTIONS LS=132 PS=60 CENTER;
/* File BS86TK22.SAS   1986 Sub-Task 2.2 6/17/88 115-148 R.Uy
   Check 1986-87 Beach Seine BEACH,RIV_MILE,RIV_RUN....  */

*                1986 Output RIV_MILE min,max,n by BEACH no. ;
LIBNAME SAS01 'FISH86';
PROC SORT DATA=SAS01.BSSLV3 OUT=zfile1; BY beach; RUN;
PROC MEANS DATA=zfile1 NOPRINT N NMISS MIN MAX; BY beach; VAR riv_mile;
   OUTPUT OUT=zfile2 N=n NMISS=nmiss MIN=min_rm MAX=max_rm;  RUN;

DATA zfile3(KEEP=year task_cd sample date time beach riv_mile
   riv_run use_code err_1 err_2 msg_1 msg_2 min_rm max_rm n);
   MERGE zfileZ zfile1;  BY beach;
   err_1=0;  err_2=0;  msg_1='.';  msg_2='.';
   IF riv_mile =. OR riv_mile < 12 OR riv_mile > 152 THEN err_1 = 1;
   IF ABS(riv_mile - min_rm) > 0.9 OR ABS(riv_mile - max_rm) > 0.9
      THEN err_1 = 2;
   IF riv_run = . THEN err_1 = 3;
   IF beach = . OR beach < 1 THEN err_1 = 4;
   IF err_1 = 1 THEN msg_1='RIV_MILE not 12-152';
   IF err_1 = 2 THEN msg_1='min RIV_MILE <> max';
   IF err_1 = 3 THEN msg_1='Missing RIV_RUN';
   IF err_1 = 4 THEN msg_1='Missing BEACH';

   IF err_1 = 0 THEN;
     IF(riv_mile >= 12 AND riv_mile <= 24) THEN zreg = 11;
     IF(riv_mile >= 15 AND riv_mile <= 17) THEN zreg = 12;
     IF(riv_mile >= 18 AND riv_mile <= 20) THEN zreg = 13;
     IF(riv_mile >= 21 AND riv_mile <= 23) THEN zreg = 14;
     IF(riv_mile >= 24 AND riv_mile <= 26) THEN zreg = 21;
     IF(riv_mile >= 27 AND riv_mile <= 29) THEN zreg = 22;
     IF(riv_mile >= 30 AND riv_mile <= 33) THEN zreg = 23;
     IF(riv_mile >= 34 AND riv_mile <= 35) THEN zreg = 31;
     IF(riv_mile >= 36 AND riv_mile <= 38) THEN zreg = 32;
     IF(riv_mile >= 39 AND riv_mile <= 41) THEN zreg = 41;
     IF(riv_mile >= 42 AND riv_mile <= 44) THEN zreg = 42;
     IF(riv_mile >= 45 AND riv_mile <= 46) THEN zreg = 43;
     IF(riv_mile >= 47 AND riv_mile <= 49) THEN zreg = 51;
     IF(riv_mile >= 50 AND riv_mile <= 52) THEN zreg = 52;
     IF(riv_mile >= 53 AND riv_mile <= 55) THEN zreg = 53;
     IF(riv_mile >= 56 AND riv_mile <= 58) THEN zreg = 61;
     IF(riv_mile >= 59 AND riv_mile <= 61) THEN zreg = 62;
     IF(riv_mile >= 62 AND riv_mile <= 64) THEN zreg = 71;
     IF(riv_mile >= 65 AND riv_mile <= 67) THEN zreg = 72;
     IF(riv_mile >= 68 AND riv_mile <= 70) THEN zreg = 73;
     IF(riv_mile >= 71 AND riv_mile <= 73) THEN zreg = 74;
     IF(riv_mile >= 74 AND riv_mile <= 76) THEN zreg = 75;
     IF(riv_mile >= 77 AND riv_mile <= 79) THEN zreg = 81;
     IF(riv_mile >= 80 AND riv_mile <= 82) THEN zreg = 82;
     IF(riv_mile >= 83 AND riv_mile <= 85) THEN zreg = 83;
     IF(riv_mile >= 86 AND riv_mile <= 87) THEN zreg = 91;
     IF(riv_mile >= 88 AND riv_mile <= 90) THEN zreg = 92;
     IF(riv_mile >= 91 AND riv_mile <= 93) THEN zreg = 93;
     IF(riv_mile >= 94 AND riv_mile <= 97) THEN zreg = 101;
     IF(riv_mile >= 98 AND riv_mile <= 100) THEN zreg = 102;
     IF(riv_mile >= 101 AND riv_mile <= 103) THEN zreg = 103;
     IF(riv_mile >= 104 AND riv_mile <= 106) THEN zreg = 104;

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
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APPENDIX B

1986-1987 WATER QUALITY

APPENDIX TABLE 1

WEIGHTED MEAN TEMPERATURE (C) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
28APR86	11.1	12.1	11.5	11.7	12.0	12.5	12.0	12.2	13.5	14.1	14.3	15.1
05MAY86	12.0	12.3	12.3	12.9	13.3	13.6	13.6	14.4	14.9	14.7	15.1	14.6
12MAY86	14.1	14.5	14.5	14.7	14.7	15.2	15.5	16.0	16.4	16.9	16.9	16.8
19MAY86	17.0	17.2	16.8	16.9	17.3	17.7	17.4	17.9	18.7	19.0	19.4	19.9
26MAY86	19.2	19.4	19.6	18.9	19.7	20.7	20.6	20.9	20.8	20.6	20.5	20.8
02JUN86	19.2	19.6	20.8	20.7	21.0	21.2	21.5	21.3	21.2	21.2	21.3	21.4
09JUN86	20.5	20.6	21.7	21.9	21.6	21.8	21.2	20.7	20.4	20.7	20.6	20.9
16JUN86	21.2	22.2	22.5	22.0	21.1	21.1	21.6	21.0	21.2	21.1	20.6	20.3
23JUN86	22.5	22.5	22.7	22.6	21.7	21.7	21.4	21.0	21.0	20.7	20.4	20.5
30JUN86	21.7	22.7	23.3	22.6	22.2	22.4	22.0	21.5	22.0	22.5	22.6	22.9
07JUL86	22.8	24.1	24.4	24.1	23.5	23.9	23.2	23.0	23.4	24.1	24.6	24.1
21JUL86	23.5	25.4	25.4	25.6	25.1	25.1	25.0	24.9	25.0	25.1	25.4	24.8
04AUG86	25.5	25.6	26.1	25.7	25.3	25.3	25.6	25.2	25.1	25.0	24.9	24.5
18AUG86	25.3	26.3	26.7	26.1	25.6	25.7	25.3	24.7	24.6	24.1	24.0	23.7
01SEP86	21.3	22.0	22.9	24.2	23.4	23.0	22.7	21.7	21.0	21.8	22.1	21.1
15SEP86	21.1	21.2	21.9	22.1	21.1	21.0	20.8	19.9	19.4	19.0	19.4	19.7
29SEP86	19.9	20.7	21.2	21.8	20.9	20.4	19.5	19.0	19.0	19.2	17.9	17.2
13OCT86	17.1	17.9	18.1	17.7	16.8	16.9	16.4	15.0	14.3	13.7	13.2	12.1
27OCT86	15.0	15.4	16.0	15.7	15.2	14.8	13.9	12.4	11.9	11.3	11.3	11.2
10NOV86	12.0	11.9	12.4	11.2	10.0	9.4	8.2	8.2	8.1	7.6	7.5	7.4
17NOV86	6.4	5.4	8.6	7.1	6.7	6.5	5.0	3.7	3.1	3.0	2.8	2.6

APPENDIX TABLE 1

MEAN TEMPERATURE (C) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUL86	23.4	24.7	25.2	24.4	24.8	26.3	24.8	23.8	23.3	25.2	26.2	23.3
28JUL86	24.7	26.3	25.4	24.7	25.2	25.6	25.5	25.2	25.3	25.4	27.3	26.2
11AUG86	26.4	26.7	25.1	25.5	25.9	26.2	26.2	25.1	24.6	26.3	24.7	23.4
25AUG86	24.7	22.8	23.3	25.5	23.4	25.3	25.0	24.6	23.3	23.0	24.1	22.6
08SEP86	22.2	22.6	23.7	23.4	23.2	22.2	22.5	21.9	21.4	21.0	20.7	20.1
22SEP86	20.2	20.9	21.1	22.9	21.1	20.5	19.8	18.8	18.7	19.2	19.0	17.7
06OCT86	19.9	18.9	19.2	20.1	17.1	15.4	18.8	17.9	17.1	15.3	16.7	14.9
20OCT86	16.1	15.6	16.4	17.5	16.7	16.7	15.6	14.0	12.9	13.0	13.0	11.5
03NOV86	14.1	11.3	14.3	14.5	14.9	12.9	10.9	10.6	9.0	9.2	10.3	9.6
17NOV86	9.8	8.5	7.9	9.7	8.9	8.0	7.5	4.0	4.0	4.0	4.2	3.9

APPENDIX TABLE 1

WEIGHTED MEAN DISSOLVED OXYGEN (MG/L) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
28APR86	9.7	10.2	10.0	9.8	9.9	9.5	9.5	9.5	9.7	9.4	9.0	8.9
05MAY86	9.1	9.8	10.1	9.7	10.3	10.8	10.3	10.2	10.6	10.2	8.9	8.8
12MAY86	9.1	9.5	9.6	9.7	10.2	11.3	10.7	10.6	11.0	11.8	8.9	7.8
19MAY86	10.2	11.9	10.0	9.6	9.4	10.4	9.8	9.3	9.7	10.2	8.6	5.9
26MAY86	9.5	9.5	8.9	8.7	8.1	7.7	7.6	7.6	8.4	8.7	8.2	7.9
02JUN86	7.6	7.9	7.9	8.2	7.9	8.3	8.3	8.2	8.7	8.7	7.7	7.5
09JUN86	7.7	7.9	10.5	10.0	7.4	7.7	8.0	8.1	8.9	9.1	8.4	8.4
16JUN86	6.8	7.1	7.6	7.4	8.0	8.3	8.0	8.6	8.3	8.8	8.5	8.1
23JUN86	7.8	8.5	8.0	8.3	8.0	7.6	8.2	8.4	8.6	8.9	8.7	8.6
30JUN86	6.8	7.4	7.6	7.7	8.8	8.9	8.6	8.0	8.5	10.0	9.4	8.2
07JUL86	7.4	7.6	7.7	7.1	6.9	7.9	8.9	8.6	9.8	10.8	9.6	8.2
21JUL86	5.1	7.6	6.9	6.3	6.5	6.9	6.8	6.9	8.0	8.7	9.6	7.7
04AUG86	5.1	8.4	6.5	6.0	6.0	6.6	6.6	6.7	7.2	7.4	7.7	7.6
18AUG86	5.8	6.7	6.9	6.2	6.3	6.4	6.1	.	8.3	8.4	8.2	7.7
01SEP86	5.6	6.2	6.0	5.4	6.4	6.5	6.6	7.5	8.7	9.1	8.9	8.1
15SEP86	5.6	7.8	7.9	6.9	6.9	7.0	7.0	7.6	8.1	8.7	9.1	7.7
29SEP86	7.5	8.3	7.6	7.1	6.5	7.0	7.3	7.8	8.2	8.6	8.5	8.7
13OCT86	7.2	8.3	8.1	8.6	8.4	8.4	8.5	9.4	9.6	10.1	9.6	10.6
27OCT86	8.4	7.9	7.7	8.0	8.9	9.4	9.7	10.0	10.3	10.4	10.4	11.4
10NOV86	9.0	9.5	9.2	9.0	9.5	9.7	9.8	9.7	10.0	10.6	11.1	11.6
17NOV86	10.5	11.3	10.5	10.2	10.6	10.1	10.6	11.1	12.0	12.0	12.4	13.1

APPENDIX TABLE 1

WEIGHTED MEAN DISSOLVED OXYGEN (MG/L) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUL86	7.8	8.7	8.4	8.6	7.9	11.0	7.9	8.0	7.7	9.2	9.6	7.7
28JUL86	6.4	8.1	6.8	6.1	6.2	6.1	6.6	6.7	7.0	7.0	10.0	6.8
11AUG86	7.9	9.6	8.1	8.7	8.3	11.5	7.8	7.1	8.4	10.4	8.6	7.7
25AUG86	7.9	9.1	8.3	8.1	7.4	9.6	8.5	8.5	8.1	8.8	11.2	7.9
08SEP86	6.8	8.4	8.4	7.1	6.8	9.5	7.4	8.4	8.8	8.9	9.6	8.5
22SEP86	6.0	8.1	8.4	7.2	6.5	7.9	7.7	8.2	8.4	8.9	9.6	8.8
06OCT86	7.7	8.6	8.6	8.4	8.6	9.0	8.5	9.0	10.7	9.2	10.1	10.1
20OCT86	8.2	9.4	9.3	9.0	9.0	10.0	9.8	9.8	9.7	10.7	10.4	10.3
03NOV86	7.5	9.3	8.7	8.8	8.9	10.0	10.2	9.8	10.5	10.4	10.7	10.2
17NOV86	9.4	10.4	10.4	10.5	10.7	10.7	11.1	12.4	11.8	12.1	12.2	12.2

APPENDIX TABLE 1

WEIGHTED MEAN SALINITY (PPT) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
28APR86	8.4	4.1	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05MAY86	13.4	5.4	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12MAY86	9.3	5.7	3.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19MAY86	9.7	6.0	3.0	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26MAY86	3.6	1.7	0.6	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
02JUN86	6.8	3.5	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09JUN86	6.9	3.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16JUN86	9.1	3.7	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23JUN86	2.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30JUN86	9.9	2.4	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07JUL86	9.7	6.2	3.9	3.2	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
21JUL86	12.7	5.6	3.2	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04AUG86	9.3	5.9	3.6	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18AUG86	7.1	2.6	0.8	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
01SEP86	11.9	6.6	5.3	3.9	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
15SEP86	12.0	6.1	4.1	2.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
29SEP86	11.6	6.5	5.1	4.3	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13OCT86	13.8	7.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27OCT86	11.5	7.6	6.4	4.3	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10NOV86	7.7	3.8	2.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
17NOV86	1.3	0.1	1.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1

APPENDIX TABLE 1

MEAN SALINITY (PPT) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUL86	10.6	6.1	3.4	3.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
28JUL86	6.4	4.3	2.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11AUG86	5.2	3.4	1.5	0.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
25AUG86	5.2	1.9	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08SEP86	9.0	6.1	4.4	2.9	1.0	0.8	0.0	0.1	0.1	0.0	0.0	0.0
22SEP86	11.8	4.7	3.4	2.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
06OCT86	8.0	4.9	2.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20OCT86	.	3.3	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03NOV86	10.6	6.1	4.7	3.3	2.2	0.4	0.1	0.0	0.0	0.0	0.0	0.1
17NOV86	6.2	2.2	0.5	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0

APPENDIX TABLE 1

PERCENT SATURATION BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
28APR86	93.6	98.1	93.4	91.0	92.2	89.1	87.9	88.5	93.5	91.6	88.2	88.4
05MAY86	92.9	94.6	94.9	92.6	98.3	104	98.7	100	105	100	88.4	86.5
12MAY86	94.7	96.7	96.5	97.4	101	113	107	107	113	121	92.1	80.0
19MAY86	112	129	105	100	99.0	109	102	97.5	104	110	92.8	64.5
26MAY86	106	104	97.6	93.4	87.9	86.1	84.6	84.7	94.2	96.5	91.4	87.8
02JUN86	85.7	87.7	89.7	91.8	88.0	93.2	93.7	92.5	97.5	97.6	87.2	84.9
09JUN86	89.8	89.6	120	123	84.6	88.1	90.4	90.2	98.6	101	93.3	93.5
16JUN86	81.1	83.6	89.0	84.7	90.2	93.1	91.0	96.1	92.8	98.3	94.3	90.0
23JUN86	92.0	98.8	92.7	95.9	91.4	85.9	93.1	94.0	96.2	99.1	96.1	95.4
30JUN86	82.1	87.3	90.1	89.3	100	102	98.0	90.6	96.9	116	109	95.7
07JUL86	91.7	94.4	94.5	86.6	81.3	93.7	104	100	115	128	116	97.7
21JUL86	65.6	95.5	85.9	77.6	78.4	83.9	81.7	83.6	96.5	105	117	93.3
04AUG86	66.1	106	82.0	73.7	73.1	80.1	80.8	81.1	86.8	89.9	92.4	91.4
18AUG86	74.3	84.7	86.7	76.8	76.9	78.4	74.1	.	98.9	99.7	97.0	91.0
01SEP86	68.6	73.8	72.5	66.1	75.6	76.4	76.8	85.2	97.1	103	102	91.2
15SEP86	68.2	90.9	92.5	79.8	77.3	78.6	78.2	83.7	87.7	93.4	98.5	84.0
29SEP86	88.5	95.8	88.6	83.1	73.5	78.1	79.2	84.1	87.9	93.3	89.5	89.9
13OCT86	81.8	91.7	87.0	90.8	86.8	86.9	87.1	93.5	93.7	97.3	91.1	99.0
27OCT86	89.6	82.8	81.4	82.8	89.2	93.2	93.8	93.8	95.2	94.7	95.0	104
10NOV86	87.6	90.2	87.3	81.8	84.4	84.7	83.6	82.0	84.8	88.4	92.4	96.7
17NOV86	86.4	89.3	90.6	83.9	86.9	82.3	83.2	84.2	89.4	89.2	91.4	96.6

APPENDIX TABLE 1

PERCENT SATURATION BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUL86	98.5	109	105	105	95.0	137	95.4	94.4	104	112	119	90.2
28JUL86	80.2	104	83.8	73.1	75.0	74.5	80.5	80.8	84.9	84.9	126	84.5
11AUG86	102	123	98.9	107	102	142	96.0	85.8	100	130	104	90.1
25AUG86	98.4	112	93.7	102	86.6	117	103	102	95.1	102	133	90.9
08SEP86	82.7	101	102	85.2	80.4	109	85.6	96.1	100	99.3	107	94.0
22SEP86	71.3	93.2	96.3	84.9	73.3	87.7	84.4	88.1	90.5	96.6	103	92.4
06OCT86	89.4	96.4	94.9	92.8	88.8	90.0	91.0	94.8	111	92.1	104	99.9
20OCT86	.	99.0	96.6	95.0	92.0	103	98.2	95.0	91.8	102	98.9	95.0
03NOV86	78.5	88.4	88.1	88.5	89.2	94.5	91.8	88.4	90.4	90.5	95.2	89.2
17NOV86	86.9	90.6	88.2	92.0	92.7	90.8	92.4	94.7	90.6	92.0	93.5	92.9

APPENDIX TABLE 1

WEIGHTED MEAN CONDUCTIVITY (mS/CM) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
28APR86	10.6	5.6	2.8	0.9	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2
05MAY86	16.6	7.2	2.0	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
12MAY86	12.6	8.0	5.1	3.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19MAY86	13.7	8.8	4.7	2.2	1.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26MAY86	5.9	2.9	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
02JUN86	10.3	5.7	2.9	1.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
09JUN86	10.9	6.3	1.2	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16JUN86	14.3	6.2	2.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23JUN86	4.7	1.1	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30JUN86	15.3	4.1	1.7	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
07JUL86	15.5	10.6	7.1	5.9	2.7	0.8	0.2	0.2	0.2	0.2	0.2	0.2
21JUL86	20.6	10.0	6.0	4.1	1.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2
04AUG86	16.0	10.6	6.7	3.2	0.7	0.3	0.2	0.3	0.3	0.2	0.2	0.2
18AUG86	12.6	5.0	1.6	0.4	0.3	0.2	0.2	0.2	0.6	0.2	0.2	0.3
01SEP86	18.4	10.9	9.1	7.1	2.9	1.2	0.2	0.2	0.2	0.2	0.2	0.2
15SEP86	18.6	10.0	7.0	4.3	1.5	0.7	0.2	0.2	0.2	0.2	0.2	0.2
29SEP86	17.4	10.3	8.3	7.3	2.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2
13OCT86	19.3	10.4	4.2	1.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
27OCT86	15.4	10.6	9.2	6.4	2.9	1.0	0.2	0.2	0.2	0.1	0.2	0.1
10NOV86	10.1	5.1	2.9	0.6	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
17NOV86	1.6	0.2	1.7	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2

APPENDIX TABLE 1

MEAN CONDUCTIVITY (mS/CM) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1986, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUL86	17.4	10.7	6.3	5.6	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.2
28JUL86	11.3	8.1	4.0	1.8	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2
11AUG86	9.7	6.5	2.9	1.7	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
25AUG86	9.2	3.5	1.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
08SEP86	14.6	10.2	7.7	5.3	2.0	1.5	0.3	0.3	0.3	0.2	0.2	0.2
22SEP86	17.9	7.8	5.8	4.4	1.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2
06OCT86	12.6	7.8	4.7	1.8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20OCT86	.	5.0	2.9	1.6	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
03NOV86	14.2	8.0	6.7	4.8	3.3	0.6	0.2	0.2	0.1	0.1	0.1	0.2
17NOV86	7.8	2.8	0.7	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2

APPENDIX TABLE 1

WEIGHTED MEAN TEMPERATURE (C) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13APR87	8.9	9.0	.	.	.	.	.	.	10.1	10.0	10.0	10.0
20APR87	.	.	12.1	11.6	11.4	11.6	11.5	12.1	12.5	12.9	13.0	12.5
27APR87	11.4	11.7	12.2	12.6	11.2	10.6	11.4	11.0	9.8	9.8	12.3	13.3
04MAY87	11.0	11.5	12.1	11.7	12.0	12.1	13.0	12.8	12.3	12.3	12.4	11.9
11MAY87	13.6	13.9	13.8	13.7	14.0	14.6	14.8	14.2	14.8	15.7	15.4	16.3
18MAY87	15.6	16.0	16.5	16.4	15.5	15.8	15.5	15.8	16.1	16.2	16.7	17.7
25MAY87	16.4	17.3	17.8	17.1	16.9	17.6	17.1	17.2	17.8	18.3	18.5	19.1
01JUN87	20.0	19.5	19.8	19.5	18.7	19.0	19.0	19.5	20.2	21.1	22.2	22.5
08JUN87	18.8	20.1	20.2	19.7	19.4	19.2	19.2	19.4	20.1	20.3	20.8	21.3
15JUN87	21.4	21.8	22.4	22.4	21.4	21.0	20.9	21.4	21.7	21.9	22.3	21.8
22JUN87	21.5	23.2	24.0	23.3	22.7	22.8	22.0	22.1	22.5	23.2	23.4	23.8
29JUN87	23.3	22.9	24.0	23.8	23.2	22.9	23.0	23.2	23.1	23.1	23.3	23.0
06JUL87	23.1	24.1	24.3	24.2	23.8	24.2	24.3	23.9	23.9	23.8	23.4	23.5
13JUL87	25.2	25.9	26.7	25.6	25.2	25.4	25.4	25.5	25.7	26.2	26.5	27.1
27JUL87	26.4	26.9	27.6	27.4	26.7	26.4	26.7	26.4	26.5	27.1	27.5	27.9
10AUG87	25.0	25.1	26.2	26.2	25.7	25.5	25.6	25.1	24.6	24.6	24.5	24.5
24AUG87	23.9	23.9	25.1	25.3	25.2	24.7	24.8	24.3	23.6	23.6	23.7	24.6
07SEP87	21.7	22.5	23.5	23.8	23.3	23.7	23.1	22.0	21.6	21.7	21.3	20.7
21SEP87	21.4	22.1	22.0	21.6	20.3	20.4	19.2	18.5	18.2	17.9	17.4	16.9
05OCT87	17.4	17.5	18.1	17.6	16.1	15.7	15.1	14.1	12.9	11.8	12.1	11.6
19OCT87	14.9	14.6	14.4	13.2	12.8	12.0	11.0	10.8	10.9	10.9	10.9	11.2
02NOV87	12.6	12.6	11.9	11.5	11.0	10.8	10.2	10.7	9.4	9.1	9.0	8.5

APPENDIX TABLE 1

MEAN TEMPERATURE (C) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
22JUN87	23.3	24.9	26.0	25.8	23.0	22.9	25.0	24.8	25.7	26.3	25.5	24.3
06JUL87	25.0	26.0	25.1	25.1	24.2	24.2	23.7	23.2	23.0	23.2	22.6	22.8
20JUL87	29.4	29.0	27.8	27.6	26.2	28.0	27.6	27.6	26.7	26.4	26.6	25.8
03AUG87	28.2	28.2	27.4	27.2	26.5	26.6	27.2	27.3	26.4	25.9	26.7	25.9
17AUG87	26.9	27.4	27.7	28.7	27.5	27.6	27.7	29.7	27.3	25.9	28.7	27.3
31AUG87	23.2	23.1	24.2	23.6	22.8	23.5	22.4	22.9	23.4	22.8	22.5	21.8
14SEP87	23.3	23.2	23.2	23.6	22.7	23.1	22.4	22.4	22.5	20.6	20.7	20.5
28SEP87	20.0	19.5	22.1	20.8	18.8	18.7	18.5	17.6	17.3	16.8	18.1	17.2
12OCT87	14.9	13.9	15.7	15.2	12.7	11.5	12.7	11.6	10.5	10.8	11.9	10.8
26OCT87	13.7	12.9	13.9	14.0	11.4	10.8	10.6	11.2	11.1	11.3	11.2	11.2
09NOV87	9.7	8.2	9.2	8.0	7.7	6.9	7.0	6.6	5.9	5.7	5.0	5.8

APPENDIX TABLE 1

WEIGHTED MEAN DISSOLVED OXYGEN (MG/L) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13APR87	10.7	11.0	.	.	.	.	.	.	10.3	10.2	10.6	11.5
20APR87	.	.	10.8	10.8	10.8	10.7	10.1	9.2	9.4	8.9	10.4	10.8
27APR87	8.5	8.3	9.4	9.8	9.6	10.1	9.3	11.1	10.4	10.4	10.1	8.9
04MAY87	9.0	9.2	9.2	9.3	9.2	9.3	9.5	9.8	9.8	9.9	9.6	9.8
11MAY87	9.2	9.3	9.2	9.1	9.2	9.5	9.5	11.6	12.0	10.5	10.0	8.0
18MAY87	7.8	8.8	8.7	8.8	9.1	8.9	8.6	.	10.2	10.4	9.8	7.8
25MAY87	6.8	8.0	8.8	8.6	8.6	9.4	9.6	9.8	9.5	9.2	9.4	6.6
01JUN87	10.8	10.4	8.1	8.1	8.2	9.2	9.5	8.3	8.2	8.2	8.7	6.7
08JUN87	7.7	8.7	8.2	7.6	7.9	8.2	7.6	7.0	7.8	8.4	8.0	7.2
15JUN87	6.6	7.7	7.8	7.6	7.1	7.5	7.4	7.9	8.4	7.9	7.9	7.6
22JUN87	5.1	6.5	7.3	7.0	6.8	7.2	6.8	6.9	7.1	7.5	7.8	6.4
29JUN87	6.7	6.7	7.4	6.6	6.8	7.1	6.3	6.3	6.6	7.0	7.1	6.7
06JUL87	5.8	6.4	6.5	6.5	8.4	9.5	8.5	8.0	8.4	8.4	8.7	8.4
13JUL87	4.7	6.6	7.1	6.3	8.2	9.0	8.6	8.6	8.7	9.3	10.0	8.8
27JUL87	7.6	7.9	7.0	6.9	8.7	9.4	8.6	8.9	9.2	9.2	9.5	7.9
10AUG87	5.0	6.7	6.8	6.4	7.7	7.8	6.0	5.2	6.4	6.7	7.2	6.2
24AUG87	4.9	6.7	7.1	6.7	5.9	6.4	6.1	6.6	8.0	8.6	7.8	6.6
07SEP87	6.0	7.2	7.0	6.5	6.9	6.8	6.1	5.7	7.4	7.6	7.9	7.9
21SEP87	6.1	6.3	6.4	6.4	6.9	7.6	7.6	7.9	8.1	8.6	9.2	9.7
05OCT87	8.5	9.8	9.1	9.0	9.2	9.3	9.0	9.7	10.5	10.9	10.5	11.7
19OCT87	9.0	9.8	10.1	8.4	8.8	9.4	9.9	10.4	10.9	11.0	11.0	11.1
02NOV87	9.5	9.9	10.8	11.1	11.4	10.9	9.7	9.5	10.0	10.6	10.7	11.5

APPENDIX TABLE 1

WEIGHTED MEAN DISSOLVED OXYGEN (MG/L) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
22JUN87	7.7	9.0	11.1	9.8	8.0	7.6	7.8	7.8	8.6	8.6	8.2	6.2
06JUL87	9.5	9.3	7.7	7.2	6.5	7.4	7.3	7.4	7.6	8.1	9.0	7.4
20JUL87	10.6	9.8	7.9	8.2	6.7	8.3	7.2	7.9	8.5	8.4	8.5	7.4
03AUG87	8.3	10.0	8.2	6.8	7.1	7.7	7.6	9.1	9.0	9.4	8.6	7.4
17AUG87	8.8	10.4	10.9	9.5	7.5	8.6	7.7	10.3	10.1	10.3	9.4	8.8
31AUG87	6.6	8.8	9.2	7.2	6.8	9.2	6.9	7.5	9.5	8.5	8.5	7.2
14SEP87	8.4	8.7	8.0	7.7	6.3	9.0	8.2	8.9	9.2	8.6	8.8	9.6
28SEP87	5.5	8.7	8.3	7.7	9.5	10.6	8.9	8.5	9.1	9.5	10.6	11.3
12OCT87	9.9	10.3	10.5	10.0	10.2	10.6	10.4	11.1	11.4	11.5	11.4	11.7
26OCT87	8.6	9.7	9.4	9.2	10.0	10.7	10.9	10.5	10.7	11.4	11.1	11.2
09NOV87	10.9	11.9	11.7	12.0	11.9	12.3	12.4	12.5	12.8	12.8	13.3	13.4

APPENDIX TABLE 1

WEIGHTED MEAN SALINITY (PPT) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13APR87	4.8	0.5	.	.	.	.	.	.	0.0	0.0	0.0	0.0
20APR87	.	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27APR87	10.3	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04MAY87	5.8	3.3	0.8	1.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0
11MAY87	10.2	6.5	5.3	4.1	1.8	0.9	0.2	0.0	0.0	0.0	0.0	0.0
18MAY87	9.5	6.2	4.8	3.2	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0
25MAY87	11.1	7.2	3.4	1.8	0.9	0.3	0.1	0.1	0.1	0.1	0.1	0.1
01JUN87	8.8	6.3	4.8	3.3	1.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
08JUN87	12.9	7.0	6.1	4.2	2.9	1.6	0.2	0.0	0.0	0.0	0.0	0.0
15JUN87	8.9	7.2	5.4	4.0	1.9	1.1	0.2	0.1	0.1	0.1	0.1	0.1
22JUN87	13.0	7.7	4.8	4.0	1.7	0.7	0.2	0.0	0.0	0.1	0.1	0.1
29JUN87	10.2	8.6	4.8	3.5	1.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0
06JUL87	14.2	7.8	5.5	3.5	1.2	0.3	0.1	0.0	0.1	0.0	0.0	0.1
13JUL87	11.8	7.1	4.7	2.2	0.7	0.4	0.1	0.1	0.1	0.0	0.1	0.1
27JUL87	11.8	7.7	5.0	4.2	2.4	1.0	0.2	0.0	0.0	0.0	0.0	0.0
10AUG87	11.7	7.2	5.3	4.6	2.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0
24AUG87	13.5	8.2	5.7	4.7	2.7	1.3	0.2	0.0	0.0	0.0	0.0	0.0
07SEP87	9.8	6.8	5.1	3.1	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
21SEP87	7.2	4.8	2.9	1.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05OCT87	8.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19OCT87	11.7	6.7	5.0	3.1	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
02NOV87	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX TABLE 1

MEAN SALINITY (PPT) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
22JUN87	11.4	7.3	5.5	3.8	1.0	0.6	0.1	0.1	0.1	0.1	0.0	0.0
06JUL87	6.8	4.5	4.0	3.1	.	.	0.1	0.0	0.0	0.0	0.0	0.0
20JUL87	8.0	5.1	3.3	3.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1
03AUG87	8.9	6.8	4.9	4.4	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
17AUG87	8.3	6.7	4.6	3.8	1.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0
31AUG87	10.2	6.9	4.8	3.4	1.2	2.8	0.1	0.0	0.1	0.1	0.0	0.0
14SEP87	5.3	3.9	2.0	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
28SEP87	4.1	2.8	1.3	0.4	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
12OCT87	1.6	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26OCT87	8.3	3.9	3.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09NOV87	2.0	0.9	0.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX TABLE 1

PERCENT SATURATION BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13APR87	95.9	95.7	.	.	.	.	.	.	93.8	90.6	93.5	101
20APR87	.	.	100	98.9	98.5	98.0	92.4	85.6	88.0	84.0	98.6	102
27APR87	84.2	79.6	88.2	91.7	87.3	90.6	85.0	101	92.0	91.4	93.9	84.9
04MAY87	85.2	86.4	86.2	86.4	85.3	86.2	89.7	92.9	91.5	92.3	89.7	88.4
11MAY87	95.4	94.2	92.2	89.9	90.7	94.2	93.8	113	119	105	100	81.4
18MAY87	84.0	92.9	91.8	91.7	92.3	90.4	87.1	.	103	105	101	82.1
25MAY87	74.6	87.2	95.2	90.6	89.5	99.1	99.2	101	99.7	97.8	101	71.4
01JUN87	127	118	91.7	90.1	88.8	99.5	102	90.8	91.0	92.1	100	77.5
08JUN87	90.3	101	94.7	85.2	87.8	89.4	82.6	76.5	86.2	92.8	89.0	80.8
15JUN87	79.4	91.8	92.8	89.9	81.4	84.5	82.4	88.7	95.9	90.4	91.0	86.0
22JUN87	63.0	79.4	89.7	83.7	79.1	83.5	78.2	78.5	81.6	87.9	91.6	75.3
29JUN87	84.3	82.1	91.1	79.5	80.1	82.8	73.2	73.3	77.6	81.9	82.7	78.0
06JUL87	74.1	79.6	79.9	79.2	101	113	102	95.3	99.4	99.8	102	98.7
13JUL87	61.0	85.0	91.0	78.4	99.7	110	105	105	107	115	124	110
27JUL87	101	103	91.6	89.6	110	118	107	110	115	115	120	101
10AUG87	65.2	85.3	86.9	81.8	96.2	95.6	73.3	63.0	76.7	80.0	86.0	73.8
24AUG87	63.4	83.3	88.6	83.6	73.2	77.2	73.9	78.3	94.6	102	92.4	79.7
07SEP87	72.2	86.5	84.7	78.6	81.4	80.1	70.8	64.9	84.2	86.4	88.9	88.0
21SEP87	71.6	74.8	74.0	74.0	77.5	84.8	81.9	83.9	86.1	90.3	95.5	100
05OCT87	93.1	104	96.9	94.0	93.5	94.0	89.8	94.5	99.5	100	97.3	107
19OCT87	96.1	101	103	82.2	83.9	87.5	89.7	93.8	99.0	99.7	99.8	101
02NOV87	91.3	93.5	100	102	103	98.4	86.5	86.0	87.6	91.7	92.7	98.1

APPENDIX TABLE 1

PERCENT SATURATION BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
22JUN87	96.8	114	143	124	94.2	88.4	94.6	93.8	105	107	100	73.8
06JUL87	120	118	95.6	82.9	.	.	86.5	86.1	88.5	94.1	104	86.2
20JUL87	146	132	103	106	83.0	106	91.9	99.8	106	104	105	91.3
03AUG87	112	133	107	87.4	88.9	96.3	96.2	114	112	115	108	90.6
17AUG87	116	137	144	126	96.5	109	97.9	135	128	126	121	111
31AUG87	82.4	108	113	87.2	79.6	110	79.1	87.4	112	99.0	98.5	82.4
14SEP87	102	105	94.3	91.5	72.5	105	94.3	103	107	95.8	98.1	106
28SEP87	61.9	96.0	95.7	85.9	103	114	94.6	88.8	94.8	97.3	112	117
12OCT87	98.6	99.6	106	99.8	96.0	97.0	98.4	102	102	104	106	105
26OCT87	87.6	94.2	92.8	90.5	91.4	96.7	98.1	95.3	97.5	104	101	103
09NOV87	96.9	101	102	102	100	101	102	102	103	102	104	107

APPENDIX TABLE 1

WEIGHTED MEAN CONDUCTIVITY (mS/CM) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13APR87	5.9	0.7	.	.	.	.	.	.	0.1	0.2	0.1	0.1
20APR87	.	.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27APR87	12.9	6.7	1.5	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
04MAY87	7.4	4.3	1.2	1.4	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2
11MAY87	13.2	8.7	7.3	5.8	2.7	1.5	0.4	0.2	0.2	0.2	0.2	0.2
18MAY87	13.3	9.1	7.2	4.9	2.2	0.8	0.2	0.2	0.2	0.2	0.2	0.2
25MAY87	15.6	10.7	5.4	2.8	1.5	0.6	0.3	0.2	0.3	0.3	0.2	0.2
01JUN87	13.5	9.8	7.7	5.5	2.2	0.5	0.3	0.3	0.3	0.3	0.3	0.3
08JUN87	18.9	11.1	9.8	6.9	4.9	2.7	0.5	0.2	0.2	0.2	0.2	0.2
15JUN87	14.3	11.9	9.2	6.9	3.4	2.0	0.5	0.2	0.3	0.3	0.3	0.2
22JUN87	20.1	12.9	8.5	7.1	3.1	1.3	0.4	0.2	0.3	0.3	0.3	0.3
29JUN87	16.8	14.2	8.5	6.3	3.2	1.3	0.3	0.3	0.3	0.2	0.2	0.2
06JUL87	22.5	13.1	9.7	6.3	2.4	0.7	0.3	0.3	0.3	0.3	0.3	0.3
13JUL87	19.9	12.7	8.7	4.2	1.4	0.9	0.3	0.3	0.3	0.3	0.3	0.3
27JUL87	20.3	13.9	9.5	8.0	4.7	2.1	0.5	0.3	0.3	0.2	0.2	0.2
10AUG87	19.7	12.6	9.8	8.4	4.4	2.3	0.4	0.3	0.3	0.3	0.2	0.2
24AUG87	22.0	14.0	10.2	8.5	5.1	2.6	0.5	0.2	0.2	0.2	0.2	0.2
07SEP87	15.7	11.4	8.8	5.7	2.3	0.7	0.3	0.2	0.2	0.2	0.2	0.2
21SEP87	11.7	8.1	5.0	3.3	2.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
05OCT87	11.7	2.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
19OCT87	15.8	9.4	7.2	4.5	2.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1
02NOV87	3.6	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1

APPENDIX TABLE 1

MEAN CONDUCTIVITY (mS/CM) WEIGHTED BY REGION
HUDSON RIVER ESTUARY, 1987, (ASSOCIATED WITH THE
BEACH SEINE SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
22JUN87	18.5	12.7	10.0	7.1	1.9	1.2	0.4	0.3	0.3	0.3	0.3	0.3
06JUL87	12.0	8.4	7.4	5.8	.	.	0.3	0.2	0.3	0.2	0.2	0.2
20JUL87	15.1	10.0	6.5	5.9	0.8	0.5	0.3	0.2	0.2	0.2	0.3	0.3
03AUG87	16.3	12.7	9.2	8.4	3.1	1.3	0.3	0.2	0.2	0.2	0.2	0.2
17AUG87	15.0	12.4	8.8	7.5	3.5	1.4	0.4	0.3	0.3	0.2	0.3	0.2
31AUG87	16.7	11.7	8.6	6.0	2.4	4.8	0.4	0.2	0.3	0.3	0.2	0.2
14SEP87	9.2	6.7	3.7	2.8	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
28SEP87	6.8	4.7	2.4	0.9	1.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
12OCT87	2.5	0.8	0.7	0.6	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
26OCT87	11.2	5.5	4.4	3.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
09NOV87	2.6	1.2	0.8	1.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1

OBS	REGN	WEEK	_TYPE_	_FREQ_	DO	TEMP	COND	SAL	PSAT	WTDO	WTTP	WTCD	WTSL	WTPS
1	LOWER ESTUARY	22JUN87	0	3	8.9654	24.5808	14.1229	8.29061	113.900	1.00000	1.00000	1.00000	1.00000	1.00000
2	LOWER ESTUARY	06JUL87	0	3	9.0525	25.4845	9.4010	5.20204	114.239	1.00000	1.00000	1.00000	1.00000	1.00000
3	LOWER ESTUARY	20JUL87	0	3	9.6875	28.8888	10.9886	5.72005	130.492	1.00000	1.00000	1.00000	1.00000	1.00000
4	LOWER ESTUARY	03AUG87	0	3	9.0643	28.0617	13.2246	7.10746	121.114	1.00000	1.00000	1.00000	1.00000	1.00000
5	LOWER ESTUARY	17AUG87	0	3	9.9551	27.3120	12.5567	6.83695	131.401	1.00000	1.00000	1.00000	1.00000	1.00000
6	LOWER ESTUARY	31AUG87	0	3	8.1556	23.3224	12.7615	7.60850	100.305	1.00000	1.00000	1.00000	1.00000	1.00000
7	LOWER ESTUARY	14SEP87	0	3	8.4666	23.2564	6.9206	4.00905	101.811	1.00000	1.00000	1.00000	1.00000	1.00000
8	LOWER ESTUARY	28SEP87	0	3	7.5267	20.1718	4.9225	2.94356	84.563	1.00000	1.00000	1.00000	1.00000	1.00000
9	LOWER ESTUARY	12OCT87	0	3	10.1711	14.5968	1.3471	0.81857	100.519	1.00000	1.00000	1.00000	1.00000	1.00000
10	LOWER ESTUARY	26OCT87	0	3	9.2612	13.3547	7.1680	5.19696	91.738	1.00000	1.00000	1.00000	1.00000	1.00000
11	LOWER ESTUARY	09NOV87	0	3	11.5029	8.9080	1.6094	1.17521	100.068	1.00000	1.00000	1.00000	1.00000	1.00000
12	MIDDLE ESTUARY	22JUN87	0	4	8.3234	24.3529	2.5590	1.31416	100.563	1.00000	1.00000	1.00000	1.00000	1.00000
13	MIDDLE ESTUARY	06JUL87	0	4	7.1240	24.2396	2.5467	1.31443	85.055	1.00000	1.00000	0.59325	0.59325	0.59325
14	MIDDLE ESTUARY	20JUL87	0	4	7.5166	27.3371	1.8091	0.83656	95.404	1.00000	1.00000	1.00000	1.00000	1.00000
15	MIDDLE ESTUARY	03AUG87	0	4	7.2990	26.9586	3.1131	1.56084	92.278	1.00000	1.00000	1.00000	1.00000	1.00000
16	MIDDLE ESTUARY	17AUG87	0	4	8.2521	27.8812	3.0349	1.48121	106.308	1.00000	1.00000	1.00000	1.00000	1.00000
17	MIDDLE ESTUARY	31AUG87	0	4	7.3226	22.9729	2.9539	1.61621	86.232	1.00000	1.00000	1.00000	1.00000	1.00000
18	MIDDLE ESTUARY	14SEP87	0	4	7.7239	22.8940	0.8728	0.39697	90.106	1.00000	1.00000	1.00000	1.00000	1.00000
19	MIDDLE ESTUARY	28SEP87	0	4	9.0194	19.1399	0.7828	0.36635	97.548	1.00000	1.00000	1.00000	1.00000	1.00000
20	MIDDLE ESTUARY	12OCT87	0	4	10.2951	13.1169	0.2586	0.06833	97.946	1.00000	1.00000	1.00000	1.00000	1.00000
21	MIDDLE ESTUARY	26OCT87	0	4	10.2434	11.6304	0.8882	0.51946	94.407	1.00000	1.00000	1.00000	1.00000	1.00000
22	MIDDLE ESTUARY	09NOV87	0	4	12.1615	7.3898	0.3703	0.18599	101.204	1.00000	1.00000	1.00000	1.00000	1.00000
23	UPPER ESTUARY	22JUN87	0	5	8.0789	25.4649	0.2665	0.06209	98.671	1.00000	1.00000	1.00000	1.00000	1.00000
24	UPPER ESTUARY	06JUL87	0	5	7.9476	22.9845	0.2443	0.00763	92.531	1.00000	1.00000	1.00000	1.00000	1.00000
25	UPPER ESTUARY	20JUL87	0	5	8.2005	26.7320	0.2463	0.00935	102.306	1.00000	1.00000	1.00000	1.00000	1.00000
26	UPPER ESTUARY	03AUG87	0	5	8.8692	26.5061	0.2377	0.00000	110.212	1.00000	1.00000	1.00000	1.00000	1.00000
27	UPPER ESTUARY	17AUG87	0	5	9.8887	27.8522	0.2532	0.00000	126.042	1.00000	1.00000	1.00000	1.00000	1.00000
28	UPPER ESTUARY	31AUG87	0	5	8.3617	22.7785	0.2467	0.04309	97.172	1.00000	1.00000	1.00000	1.00000	1.00000
29	UPPER ESTUARY	14SEP87	0	5	8.9483	21.4086	0.2028	0.00000	101.188	1.00000	1.00000	1.00000	1.00000	1.00000
30	UPPER ESTUARY	28SEP87	0	5	9.5926	17.4074	0.1873	0.00670	100.158	1.00000	1.00000	1.00000	1.00000	1.00000
31	UPPER ESTUARY	12OCT87	0	5	11.3847	11.1713	0.1401	0.00000	103.655	1.00000	1.00000	1.00000	1.00000	1.00000
32	UPPER ESTUARY	26OCT87	0	5	10.9671	11.2285	0.1542	0.00548	99.993	1.00000	1.00000	1.00000	1.00000	1.00000
33	UPPER ESTUARY	09NOV87	0	5	12.9231	5.8194	0.1324	0.01065	103.342	1.00000	1.00000	1.00000	1.00000	1.00000

APPENDIX C

POUGKEEPSIE WATER WORKS DAILY TEMPERATURE (1951-1987)

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
JAN	1	1.5	0.9	0.6	0.6	0.6	1.1	2.8	4.4
	2	1.5	1.0	1.1	0.0	0.6	1.1	2.8	4.4
	3	1.6	0.9	1.1	0.6	0.6	1.1	2.8	4.4
	4	1.5	0.8	1.1	0.6	0.6	1.1	2.8	3.3
	5	1.4	0.8	1.1	0.0	0.6	1.1	2.2	3.3
	6	1.2	0.7	1.1	0.0	0.6	1.1	2.2	3.3
	7	1.3	0.8	1.1	0.0	0.6	1.1	2.2	3.3
	8	1.2	0.7	1.1	0.0	0.6	1.1	2.2	3.3
	9	1.2	0.7	0.6	0.0	0.6	1.1	2.2	3.3
	10	1.2	0.6	0.6	0.0	0.6	1.1	2.2	2.8
	11	1.2	0.7	0.6	0.0	0.6	1.1	2.2	2.8
	12	1.1	0.6	0.6	0.6	0.6	1.1	1.7	2.8
	13	1.1	0.6	0.6	0.0	0.6	1.1	1.7	2.8
	14	1.1	0.7	0.6	0.0	0.6	1.1	2.2	2.8
	15	1.1	0.7	1.1	0.0	0.6	1.1	1.7	2.8
	16	1.1	0.6	0.6	0.6	0.6	1.1	1.7	2.8
	17	1.1	0.6	0.6	0.6	0.6	1.1	2.2	2.8
	18	1.1	0.7	0.6	0.6	0.6	1.1	2.2	3.3
	19	1.0	0.6	0.6	0.6	0.6	1.1	1.7	2.8
	20	1.0	0.6	0.6	0.6	0.6	1.1	2.2	2.2
	21	1.0	0.5	0.6	0.0	0.6	1.1	1.7	2.2
	22	1.0	0.5	0.6	0.6	0.6	1.1	1.7	2.2
	23	1.0	0.5	0.6	0.6	0.6	1.1	1.7	2.2
	24	0.9	0.5	0.6	0.0	0.6	0.6	1.7	2.2
	25	0.9	0.5	0.6	0.0	0.6	0.6	1.7	2.2
	26	0.9	0.5	0.6	0.0	0.6	1.1	1.7	2.2
	27	0.9	0.4	1.1	0.0	0.6	1.1	1.7	2.2
	28	1.0	0.4	1.1	0.6	0.6	1.1	1.7	2.2
	29	1.0	0.4	1.1	0.6	0.6	1.1	1.7	2.2
	30	1.0	0.4	1.1	0.6	0.6	1.1	1.7	2.2
	31	0.9	0.4	1.1	0.6	0.6	1.1	1.7	2.2
FEB	1	1.0	0.5	0.6	0.6	0.6	1.1	1.7	2.2
	2	1.0	0.4	1.1	0.6	0.6	1.1	1.7	2.2
	3	0.9	0.4	0.6	0.6	0.6	1.1	1.7	2.2
	4	0.9	0.4	0.6	0.6	0.6	1.1	1.7	1.7
	5	0.9	0.4	0.6	0.6	0.6	1.1	1.1	1.7
	6	1.0	0.4	0.6	0.6	0.6	1.1	1.7	1.7
	7	1.0	0.5	0.6	0.6	0.6	1.1	1.7	2.2
	8	1.0	0.4	0.6	0.6	0.6	1.1	1.7	2.2
	9	0.9	0.4	0.6	0.6	0.6	1.1	1.7	2.2
	10	1.0	0.5	1.1	0.6	0.6	1.1	1.7	3.3
	11	1.0	0.5	0.6	0.0	0.6	1.1	1.7	2.2
	12	1.0	0.4	1.1	0.6	0.6	1.1	1.1	2.2

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	13	1.1	0.5	1.1	0.6	0.6	1.1	1.7	2.2
	14	1.1	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	15	1.0	0.5	1.1	0.6	0.6	1.1	1.7	2.8
	16	1.0	0.6	1.1	0.0	0.6	1.1	2.2	2.8
	17	1.1	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	18	1.1	0.6	1.1	0.0	0.6	1.1	1.7	2.8
	19	1.2	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	20	1.1	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	21	1.2	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	22	1.2	0.8	1.1	0.0	0.6	1.1	2.2	3.9
	23	1.3	0.7	0.6	0.0	0.6	1.1	2.2	2.8
	24	1.3	0.8	1.1	0.0	0.6	1.1	2.2	3.9
	25	1.2	0.6	1.1	0.6	0.6	1.1	2.2	2.8
	26	1.4	0.8	1.1	0.0	0.6	1.1	2.2	3.3
	27	1.6	1.0	1.1	0.0	0.6	1.1	2.8	4.4
	28	1.6	1.1	1.1	0.0	0.6	1.1	2.8	5.0
	29	2.1	1.3	1.1	0.6	0.6	1.9	4.4	4.4
MAR	1	1.6	1.1	1.1	0.6	0.6	1.1	3.3	4.4
	2	1.6	1.1	0.6	0.6	0.6	1.1	3.3	4.4
	3	1.4	0.9	1.1	0.6	0.6	1.1	2.8	3.9
	4	1.5	0.9	0.6	0.6	0.6	1.1	2.8	3.3
	5	1.6	0.9	1.1	0.6	0.6	1.1	2.8	3.3
	6	1.6	0.9	1.1	0.6	0.6	1.1	2.8	3.3
	7	1.7	1.0	1.1	0.6	0.6	1.1	2.8	3.3
	8	1.7	1.0	1.1	0.0	0.6	1.1	3.3	3.3
	9	1.8	1.1	1.1	0.6	0.6	1.7	3.3	4.4
	10	1.8	1.0	1.1	0.6	0.6	1.7	3.3	3.9
	11	1.9	1.0	2.8	0.6	0.6	1.7	2.8	4.4
	12	2.0	1.1	1.1	0.6	0.6	1.7	3.3	4.4
	13	2.0	1.0	1.1	0.6	0.6	1.7	3.3	4.4
	14	2.2	1.2	1.1	0.6	1.1	1.9	3.9	4.4
	15	2.2	1.2	1.1	0.6	1.1	2.2	3.9	5.0
	16	2.3	1.2	2.2	0.6	1.1	2.2	3.9	5.0
	17	2.4	1.2	1.1	0.6	1.1	2.2	4.4	5.0
	18	2.5	1.3	1.1	0.6	1.1	2.2	4.4	5.0
	19	2.4	1.2	1.1	0.6	1.1	2.2	3.9	5.6
	20	2.6	1.1	3.3	0.6	1.1	2.5	3.9	5.6
	21	2.8	1.2	3.3	0.6	1.1	2.8	4.4	5.6
	22	2.9	1.2	3.3	0.6	1.1	2.8	4.4	5.6
	23	3.1	1.2	3.3	0.6	1.7	3.3	5.0	6.1
	24	3.3	1.3	3.3	0.6	1.7	3.3	5.6	6.1
	25	3.5	1.3	4.4	0.6	1.7	3.6	5.0	5.6
	26	3.6	1.2	3.3	0.6	2.2	3.6	5.0	6.1

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	27	3.9	1.3	3.9	1.1	2.2	3.9	5.6	6.7
	28	4.1	1.3	3.3	1.1	2.2	3.9	6.1	6.7
	29	4.3	1.4	4.4	1.1	2.2	4.4	6.7	6.7
	30	4.5	1.5	4.4	1.1	2.8	4.4	6.7	7.8
	31	4.8	1.6	3.3	1.1	3.3	4.4	6.7	8.3
APR	1	5.1	1.7	4.4	1.7	3.3	4.4	6.7	9.4
	2	5.2	1.6	4.4	2.2	3.3	4.4	7.2	8.3
	3	5.4	1.6	4.4	2.8	3.3	5.0	7.2	8.9
	4	5.6	1.4	5.0	2.8	3.9	5.3	7.2	8.9
	5	5.7	1.2	5.6	2.8	4.4	5.6	7.2	7.8
	6	5.9	1.2	5.6	3.3	4.4	5.6	7.2	8.3
	7	6.1	1.4	5.6	2.8	4.4	6.1	7.8	9.4
	8	6.3	1.5	7.2	2.8	4.4	6.1	7.8	9.4
	9	6.2	1.5	5.6	2.8	4.4	6.1	8.3	8.9
	10	6.3	1.6	5.6	2.8	4.4	6.1	8.3	9.4
	11	6.6	1.5	6.7	2.8	4.4	6.7	8.9	9.4
	12	6.7	1.5	5.6	2.8	5.0	6.7	8.9	10.0
	13	6.9	1.6	6.1	2.8	5.6	6.7	8.9	10.6
	14	7.1	1.6	7.2	2.8	5.6	7.2	8.9	11.1
	15	7.4	1.7	7.2	2.8	5.6	7.2	9.4	11.1
	16	7.5	1.6	7.2	3.3	6.1	7.2	10.0	11.1
	17	7.7	1.6	7.2	3.9	6.1	7.5	10.0	11.7
	18	8.0	1.4	7.8	5.6	6.7	7.8	10.0	11.7
	19	8.2	1.4	7.8	5.6	6.7	8.3	10.0	12.2
	20	8.5	1.4	8.9	6.1	6.7	8.3	10.6	12.2
	21	8.9	1.5	7.8	6.1	6.7	8.9	11.1	12.2
	22	9.2	1.7	10.0	6.7	6.7	8.9	11.7	12.8
	23	9.4	1.6	9.4	6.7	7.2	9.4	11.7	12.8
	24	9.6	1.6	9.4	6.7	7.8	9.4	12.2	13.3
	25	9.6	1.6	8.9	6.7	7.8	9.4	11.1	13.3
	26	9.9	1.5	9.4	6.7	7.8	9.4	12.2	13.3
	27	10.0	1.5	9.4	7.2	8.3	10.0	12.2	13.3
	28	10.3	1.4	9.4	7.8	8.9	10.0	12.2	13.3
	29	10.5	1.3	9.4	8.3	8.9	10.0	12.2	13.9
	30	10.8	1.3	10.0	8.9	9.4	10.6	12.2	13.9
MAY	1	11.1	1.4	10.0	8.9	9.4	11.1	12.8	14.4
	2	11.3	1.4	12.2	8.9	9.4	11.1	13.3	14.4
	3	11.5	1.3	12.2	8.9	10.0	11.7	12.8	14.4
	4	11.7	1.4	12.2	8.9	10.0	12.2	13.3	15.0
	5	11.9	1.4	12.2	8.9	10.0	12.2	13.3	15.0
	6	12.1	1.5	12.8	8.9	10.0	12.8	13.3	15.0
	7	12.3	1.5	13.3	8.9	10.6	12.5	14.4	15.0

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	8	12.4	1.5	13.3	8.9	10.6	12.8	13.9	15.0
	9	12.5	1.6	12.8	8.9	10.6	12.8	14.4	15.6
	10	12.7	1.6	12.8	8.9	10.6	12.8	14.4	16.1
	11	12.8	1.7	12.8	9.4	10.6	12.8	15.0	16.1
	12	12.9	1.6	12.8	9.4	11.1	12.8	15.0	16.1
	13	13.2	1.6	12.2	10.0	11.1	13.1	15.6	16.1
	14	13.4	1.5	12.2	10.6	11.1	13.3	15.6	16.7
	15	13.7	1.5	12.2	11.1	11.7	13.3	15.6	16.7
	16	14.0	1.4	12.8	11.1	12.2	13.9	16.1	16.7
	17	14.1	1.4	13.9	11.7	12.2	13.9	16.1	16.7
	18	14.3	1.3	15.0	12.2	12.8	14.4	16.1	16.7
	19	14.7	1.4	15.6	12.2	12.8	15.0	16.1	17.2
	20	15.0	1.4	13.3	12.2	13.3	15.0	16.7	17.8
	21	15.2	1.4	16.1	12.8	13.3	15.6	17.2	17.8
	22	15.5	1.5	16.7	12.8	13.3	15.6	17.2	18.3
	23	15.6	1.5	14.4	12.8	13.9	15.8	17.8	18.3
	24	15.8	1.6	16.7	12.8	13.3	15.6	17.8	18.3
	25	15.9	1.6	16.7	12.8	13.9	15.8	17.8	18.9
	26	16.2	1.6	17.2	12.2	13.9	16.4	17.8	18.9
	27	16.5	1.8	17.8	12.2	14.4	17.2	18.3	20.6
	28	16.8	1.9	17.8	12.2	14.4	17.2	18.9	20.6
	29	17.0	1.8	18.9	12.8	14.4	17.2	18.9	20.6
	30	17.0	1.9	15.0	12.8	15.0	17.2	18.9	20.6
	31	17.1	1.8	15.0	13.3	15.0	17.2	19.4	20.0
JUN	1	17.4	1.8	18.3	13.3	15.0	17.8	19.4	20.0
	2	17.8	1.9	17.8	13.3	15.6	17.8	20.0	22.2
	3	18.0	1.8	20.0	14.4	16.1	18.1	20.0	21.7
	4	18.2	1.9	16.7	13.9	15.6	18.3	20.0	22.2
	5	18.4	1.7	19.4	15.0	16.1	18.9	20.0	22.2
	6	18.5	1.6	20.0	15.6	16.7	18.9	20.0	21.7
	7	18.5	1.5	19.4	15.0	16.7	18.9	20.0	21.1
	8	18.8	1.3	20.6	16.1	17.2	18.9	20.6	20.6
	9	19.2	1.3	20.0	16.7	17.2	19.4	20.6	21.1
	10	19.4	1.2	20.0	17.2	17.8	19.7	21.1	21.7
	11	19.6	1.2	20.0	17.2	17.8	20.0	21.1	21.7
	12	19.8	1.2	18.9	17.2	18.3	20.0	21.1	22.2
	13	19.9	1.1	20.6	17.8	18.3	20.0	21.1	22.2
	14	20.0	1.1	20.6	17.8	18.3	20.0	21.1	21.7
	15	20.1	1.0	20.0	17.8	18.9	20.0	21.1	22.2
	16	20.3	1.0	20.0	17.8	18.9	20.0	21.7	22.2
	17	20.4	1.0	20.6	17.8	19.4	20.6	21.7	22.2
	18	20.6	1.0	21.1	17.8	19.4	20.6	22.2	22.2
	19	20.8	1.0	21.1	17.8	19.4	21.1	22.2	23.3

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	20	20.9	1.0	21.1	17.8	20.0	21.1	22.2	23.3
	21	21.1	1.0	21.1	17.8	20.0	21.1	22.2	22.8
	22	21.3	1.2	21.1	17.2	20.0	21.1	22.8	23.3
	23	21.4	1.2	21.1	17.2	20.0	21.1	22.8	23.3
	24	21.6	1.1	21.1	17.8	20.0	21.7	23.3	23.3
	25	21.6	1.1	21.1	17.8	20.6	21.7	22.8	23.9
	26	21.8	1.3	21.1	17.8	20.6	21.7	23.3	24.4
	27	21.9	1.3	21.7	17.8	21.1	21.7	23.3	24.4
	28	22.0	1.4	21.7	17.8	21.1	22.2	23.3	24.4
	29	22.2	1.3	21.7	17.8	21.1	22.2	23.3	25.0
	30	22.3	1.4	22.2	17.8	21.1	22.2	23.9	25.0
JUL	1	22.4	1.3	22.8	18.9	21.1	22.5	23.9	25.0
	2	22.6	1.2	22.2	18.9	21.1	22.2	23.9	25.0
	3	22.7	1.2	22.2	19.4	21.1	22.8	23.9	25.0
	4	22.8	1.3	23.3	19.4	21.1	22.8	23.9	25.0
	5	23.0	1.3	22.8	20.0	21.7	22.8	24.4	25.6
	6	23.1	1.2	22.8	20.0	21.7	22.8	24.4	25.6
	7	23.1	1.2	22.2	20.0	21.7	23.3	24.4	25.6
	8	23.2	1.2	23.3	20.0	21.7	23.3	24.4	25.6
	9	23.3	1.2	23.3	20.0	21.7	23.3	24.4	25.6
	10	23.3	1.2	23.3	20.6	21.7	23.3	25.0	25.6
	11	23.4	1.1	23.9	20.6	22.2	23.3	24.4	25.6
	12	23.6	1.1	23.9	21.1	22.2	23.9	25.0	26.1
	13	23.8	1.1	23.9	21.7	22.2	23.9	25.0	26.7
	14	23.9	1.1	23.9	21.7	22.8	23.9	25.0	26.7
	15	24.1	1.1	23.9	21.7	22.8	23.9	25.6	26.7
	16	24.2	1.0	23.9	22.2	22.8	23.9	25.6	26.7
	17	24.2	1.0	24.4	22.2	22.8	24.4	25.6	26.1
	18	24.2	1.0	24.4	22.2	22.8	24.4	25.6	26.1
	19	24.5	1.0	24.4	22.2	23.3	24.4	25.6	26.1
	20	24.6	1.0	25.0	22.2	23.3	24.4	25.6	26.7
	21	24.6	0.9	23.9	22.8	23.3	24.4	25.6	26.1
	22	24.6	1.0	24.4	22.2	23.3	24.4	25.6	26.7
	23	24.7	0.9	25.0	22.2	23.9	25.0	25.6	26.7
	24	24.7	0.9	25.0	22.8	23.3	25.0	25.6	26.7
	25	24.7	0.9	25.0	22.8	23.3	25.0	25.6	26.1
	26	24.8	0.9	25.6	22.8	23.3	25.0	25.6	26.1
	27	25.0	1.0	25.6	22.8	23.9	25.6	26.1	27.2
	28	25.0	1.0	25.6	22.8	23.3	25.6	26.1	27.2
	29	25.1	1.0	25.6	22.8	23.3	25.6	26.1	26.7
	30	25.0	0.9	25.6	23.3	23.3	25.6	26.1	26.7
	31	25.1	0.9	25.6	23.3	23.3	25.6	26.1	26.7

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
AUG	1	25.1	0.9	25.6	23.3	23.9	25.6	26.1	26.7
	2	25.1	0.9	25.6	22.8	23.9	25.6	26.1	26.7
	3	25.2	0.9	25.6	23.3	23.9	25.6	26.1	26.7
	4	25.2	1.0	25.6	23.3	23.9	25.6	26.7	26.7
	5	25.2	1.0	25.6	23.3	23.9	25.6	26.7	27.2
	6	25.2	1.0	25.6	23.3	23.9	25.6	26.7	27.2
	7	25.1	1.0	25.6	23.3	23.9	25.6	26.1	26.7
	8	25.1	1.0	25.6	23.3	23.3	25.6	26.1	27.2
	9	25.2	1.0	25.6	23.3	23.3	25.6	26.7	27.8
	10	25.2	1.1	25.6	23.3	23.9	25.6	26.7	27.8
	11	25.2	1.1	25.6	22.8	23.9	25.6	26.1	27.8
	12	25.1	1.0	25.6	22.8	23.9	25.3	26.1	27.8
	13	25.0	1.2	25.6	22.2	23.3	25.3	26.1	27.8
	14	24.9	1.2	25.6	22.2	22.8	25.0	26.1	27.8
	15	24.9	1.2	25.6	22.2	23.3	25.0	26.1	27.8
	16	24.8	1.1	24.4	22.2	23.3	25.0	26.1	27.8
	17	24.8	1.1	25.6	22.2	23.3	25.0	26.1	26.7
	18	24.7	1.0	25.6	22.8	23.3	25.0	25.6	26.7
	19	24.7	1.1	25.6	22.2	23.3	25.0	26.1	26.7
	20	24.8	1.1	25.6	22.8	23.3	25.0	26.1	26.7
	21	24.7	1.1	25.0	22.2	23.3	25.0	26.1	26.7
	22	24.6	1.1	25.6	22.2	22.8	25.0	25.6	26.7
	23	24.5	1.1	25.6	22.8	22.8	24.4	25.6	26.7
	24	24.5	1.1	25.6	22.2	22.8	24.4	25.6	26.7
	25	24.4	1.1	23.9	21.7	22.8	24.4	25.6	26.1
	26	24.4	1.0	25.0	21.7	22.8	24.4	25.6	26.1
	27	24.4	1.0	25.6	22.2	22.8	24.4	25.6	26.1
	28	24.3	1.0	25.6	22.2	22.8	24.4	25.6	25.6
	29	24.2	1.1	23.9	22.2	22.8	23.9	25.6	26.7
	30	24.3	1.1	24.4	22.2	22.8	24.4	25.6	26.1
	31	24.1	1.0	24.4	22.2	22.8	24.4	25.6	26.1
SEP	1	24.1	1.0	24.4	22.2	22.8	23.9	25.6	26.1
	2	24.0	1.0	24.4	22.2	22.8	23.9	25.6	26.7
	3	23.8	1.0	23.9	22.2	22.8	23.9	25.0	26.1
	4	23.8	1.0	24.4	22.2	22.8	23.9	25.0	25.6
	5	23.8	1.0	24.4	21.7	22.8	23.9	25.0	25.6
	6	23.8	1.0	24.4	22.2	22.2	23.9	25.0	25.6
	7	23.6	1.1	24.4	21.7	22.2	23.3	25.0	25.6
	8	23.5	1.1	24.4	21.7	22.2	23.3	25.0	25.6
	9	23.4	1.1	22.2	21.7	22.2	23.3	25.0	25.6
	10	23.3	1.2	22.8	21.1	21.7	23.1	24.4	25.6
	11	23.1	1.1	22.2	21.1	21.7	22.8	24.4	25.6
	12	23.1	1.1	23.3	21.1	21.7	22.8	25.0	25.6

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	13	22.8	1.3	23.3	20.0	21.1	22.8	23.9	25.6
	14	22.6	1.3	23.3	18.9	21.1	22.8	23.9	25.0
	15	22.4	1.3	22.2	17.8	21.1	22.2	23.9	25.0
	16	22.2	1.3	22.2	17.2	21.1	22.2	23.9	25.0
	17	22.1	1.3	22.2	17.2	20.6	22.2	23.3	25.0
	18	21.9	1.4	21.7	16.7	20.6	22.2	23.3	25.0
	19	21.8	1.3	21.7	16.7	20.6	22.2	23.3	23.9
	20	21.7	1.2	22.2	17.2	20.6	22.2	22.8	23.9
	21	21.3	1.3	21.1	16.7	19.4	21.7	22.8	22.8
	22	21.2	1.3	22.2	16.1	19.4	21.7	22.2	23.3
	23	20.9	1.3	21.1	16.1	19.4	21.1	22.2	22.8
	24	20.7	1.3	21.1	15.6	19.4	21.1	21.7	22.8
	25	20.5	1.3	21.1	15.6	19.4	20.6	21.7	22.2
	26	20.5	1.4	21.7	15.6	18.9	20.6	22.2	22.2
	27	20.3	1.4	20.6	16.1	18.3	20.6	21.7	22.2
	28	20.0	1.4	20.6	15.6	18.3	20.6	21.7	22.2
	29	19.8	1.4	20.6	15.6	18.3	20.6	21.1	22.2
	30	19.7	1.5	20.6	15.6	17.8	20.0	21.1	22.2
OCT	1	19.5	1.5	20.6	16.1	17.2	20.0	21.1	22.2
	2	19.3	1.6	20.6	15.6	16.7	19.4	21.1	22.2
	3	19.2	1.6	20.6	15.6	16.7	19.4	20.6	22.2
	4	19.0	1.6	20.0	15.6	16.1	18.9	20.6	21.7
	5	18.7	1.6	20.0	15.0	16.1	18.9	20.0	21.1
	6	18.6	1.6	17.8	15.0	16.1	18.9	20.0	21.1
	7	18.5	1.6	19.4	15.0	16.1	18.6	20.0	21.1
	8	18.1	1.7	18.9	14.4	15.6	18.6	20.0	21.1
	9	17.9	1.7	18.9	14.4	15.0	17.8	20.0	21.1
	10	17.8	1.6	18.9	14.4	15.6	17.8	19.4	21.1
	11	17.7	1.7	17.8	13.9	15.0	17.8	19.4	21.1
	12	17.4	1.9	17.8	13.3	14.4	17.8	19.4	21.1
	13	17.1	1.9	18.9	13.3	14.4	17.8	18.9	20.0
	14	16.9	2.0	17.8	12.8	14.4	17.2	18.9	21.1
	15	16.7	1.9	17.8	12.2	13.9	17.2	18.9	20.0
	16	16.5	1.9	16.7	12.2	13.9	16.7	18.9	20.0
	17	16.3	1.7	17.2	12.8	13.9	16.7	18.3	20.0
	18	16.2	1.7	16.7	12.2	13.9	16.7	17.8	20.0
	19	15.8	1.9	16.7	11.7	13.3	16.7	17.8	20.0
	20	15.6	2.0	15.6	10.6	12.8	15.6	17.8	19.4
	21	15.3	1.9	15.6	10.6	12.8	15.6	17.2	18.9
	22	15.1	2.0	17.2	10.0	12.2	15.6	17.2	18.9
	23	14.9	2.0	16.1	10.0	12.2	15.6	16.7	18.9
	24	14.8	2.0	15.6	10.0	12.2	15.6	16.7	18.3
	25	14.7	1.9	15.6	10.0	12.2	15.6	16.7	18.3

POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	26	14.4	1.9	15.6	10.0	12.2	15.0	16.7	17.8
	27	14.0	1.9	14.4	9.4	11.7	14.4	16.1	17.8
	28	14.0	1.9	14.4	8.9	11.7	14.4	16.1	17.8
	29	13.7	1.9	13.9	8.3	11.1	13.9	16.1	17.8
	30	13.5	1.9	13.9	7.8	11.1	13.9	16.1	16.7
	31	13.3	1.9	13.3	7.2	11.1	13.3	15.6	16.7
NOV	1	13.2	2.0	13.3	7.2	10.6	13.3	15.6	16.7
	2	12.8	2.0	12.2	7.2	10.0	13.1	15.6	16.1
	3	12.7	2.0	11.1	7.2	10.0	12.8	15.0	16.1
	4	12.5	1.9	12.8	7.2	10.0	12.8	15.0	15.6
	5	12.3	2.0	12.2	7.2	10.0	12.2	15.0	15.6
	6	11.9	1.9	12.2	6.7	10.0	12.2	14.4	15.6
	7	11.8	2.0	12.2	6.1	8.9	12.2	14.4	15.0
	8	11.5	2.0	12.2	6.1	8.9	11.7	13.9	15.0
	9	11.2	2.1	12.2	5.6	8.9	11.7	13.9	15.0
	10	10.9	2.0	11.7	5.0	8.9	11.1	13.3	14.4
	11	10.5	2.1	8.9	5.0	8.9	10.8	13.3	13.9
	12	10.4	2.0	12.2	5.0	8.3	10.6	12.8	13.3
	13	10.2	2.0	8.9	5.0	7.8	10.6	12.8	13.3
	14	10.1	1.9	8.9	5.0	8.3	10.0	12.2	13.3
	15	10.0	1.8	8.9	5.0	7.8	10.0	11.7	12.8
	16	9.7	1.9	11.1	5.0	7.2	10.0	11.7	12.8
	17	9.5	1.8	11.1	5.0	7.2	9.4	11.7	12.8
	18	9.3	1.8	8.9	5.0	7.2	8.9	11.7	12.8
	19	9.0	1.8	8.9	5.0	7.2	8.9	11.1	12.2
	20	8.7	1.8	11.1	5.0	6.7	8.9	11.1	11.1
	21	8.5	1.9	7.8	3.9	6.1	8.9	11.1	11.1
	22	8.3	1.8	7.2	3.9	6.1	8.3	10.6	11.1
	23	8.2	1.8	8.9	3.9	6.1	8.3	10.0	11.1
	24	7.8	1.8	8.9	3.9	5.6	7.8	10.0	10.6
	25	7.5	1.8	6.7	3.9	5.0	7.8	10.0	10.6
	26	7.4	1.8	6.7	3.3	4.4	7.2	10.0	10.0
	27	7.1	1.9	6.7	3.3	4.4	6.7	9.4	10.0
	28	7.0	1.9	6.1	3.3	4.4	7.2	9.4	10.0
	29	6.9	1.9	6.7	3.3	3.9	6.7	9.4	10.0
	30	6.6	1.8	6.1	2.8	3.9	6.7	8.9	10.0
DEC	1	6.3	1.8	6.1	2.2	3.9	6.1	8.9	9.4
	2	6.1	1.6	5.6	3.3	3.9	6.1	8.3	8.9
	3	5.8	1.6	6.7	2.8	3.9	5.8	7.8	8.9
	4	5.6	1.5	6.7	2.8	3.9	5.6	7.2	8.3
	5	5.3	1.5	6.7	2.8	3.3	5.6	7.2	7.8
	6	5.3	1.5	5.6	2.8	2.8	5.6	7.2	7.8

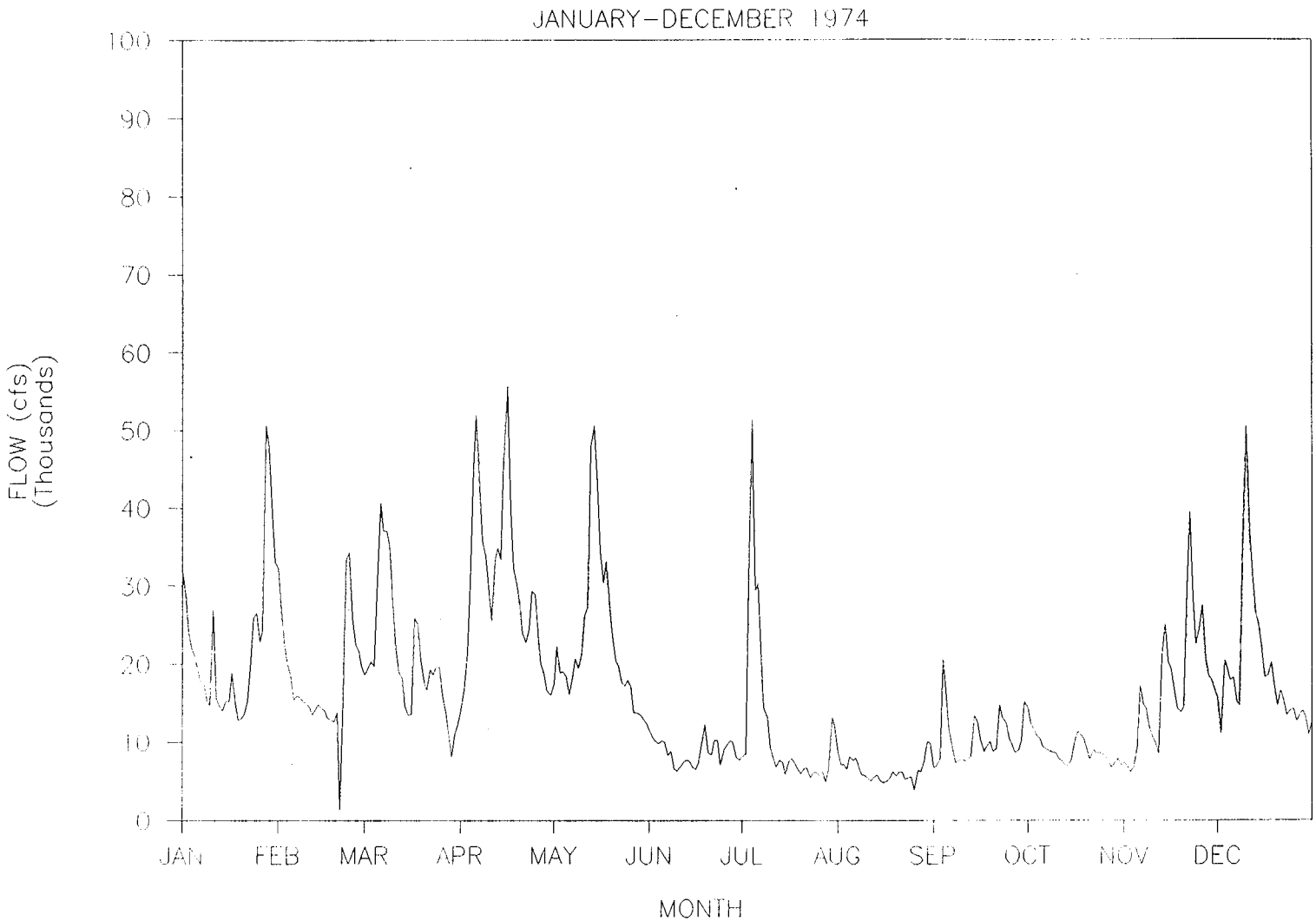
POUGHKEEPSIE WATER WORKS DAILY TEMPERATURE

Month	Day	Mean	SD	Mode	Minimum	10th Percentile	Median	90th Percentile	Maximum
	7	5.2	1.5	6.7	2.8	2.8	5.0	7.2	7.8
	8	4.8	1.5	3.3	2.2	2.8	4.4	6.7	7.8
	9	4.6	1.4	3.3	1.7	2.8	4.4	6.1	7.2
	10	4.3	1.5	3.3	1.1	2.2	4.4	6.1	7.2
	11	4.0	1.4	3.9	1.1	2.2	3.9	5.6	6.7
	12	3.8	1.4	3.3	0.6	2.2	3.9	5.6	6.7
	13	3.8	1.4	3.3	0.6	2.2	3.3	5.6	6.7
	14	3.6	1.4	3.3	0.6	2.2	3.3	5.6	6.7
	15	3.4	1.4	3.3	0.6	1.7	3.3	5.0	6.7
	16	3.2	1.4	2.2	0.6	1.7	3.3	5.0	6.7
	17	3.1	1.3	2.2	0.6	1.1	3.1	5.0	5.6
	18	2.9	1.3	2.2	0.6	1.1	2.5	5.0	5.6
	19	2.7	1.3	1.1	0.6	1.1	2.8	4.4	5.0
	20	2.7	1.3	1.1	0.6	1.1	2.8	4.4	5.0
	21	2.4	1.2	3.3	0.6	0.6	2.2	3.9	4.4
	22	2.2	1.2	1.1	0.6	0.6	2.2	3.9	4.4
	23	2.1	1.2	1.1	0.6	0.6	1.7	3.9	5.0
	24	2.0	1.3	0.6	0.6	0.6	1.7	3.9	5.6
	25	2.0	1.3	0.6	0.6	0.6	1.7	3.3	5.6
	26	1.8	1.3	0.6	0.0	0.6	1.7	3.3	6.1
	27	1.8	1.3	0.6	0.0	0.6	1.7	3.3	6.1
	28	1.8	1.3	1.1	0.0	0.6	1.4	3.3	6.1
	29	1.7	1.2	1.1	0.0	0.6	1.4	3.3	6.1
	30	1.7	1.1	1.1	0.6	0.6	1.1	2.8	6.1
	31	1.7	1.1	1.1	0.0	0.6	1.4	2.8	5.0

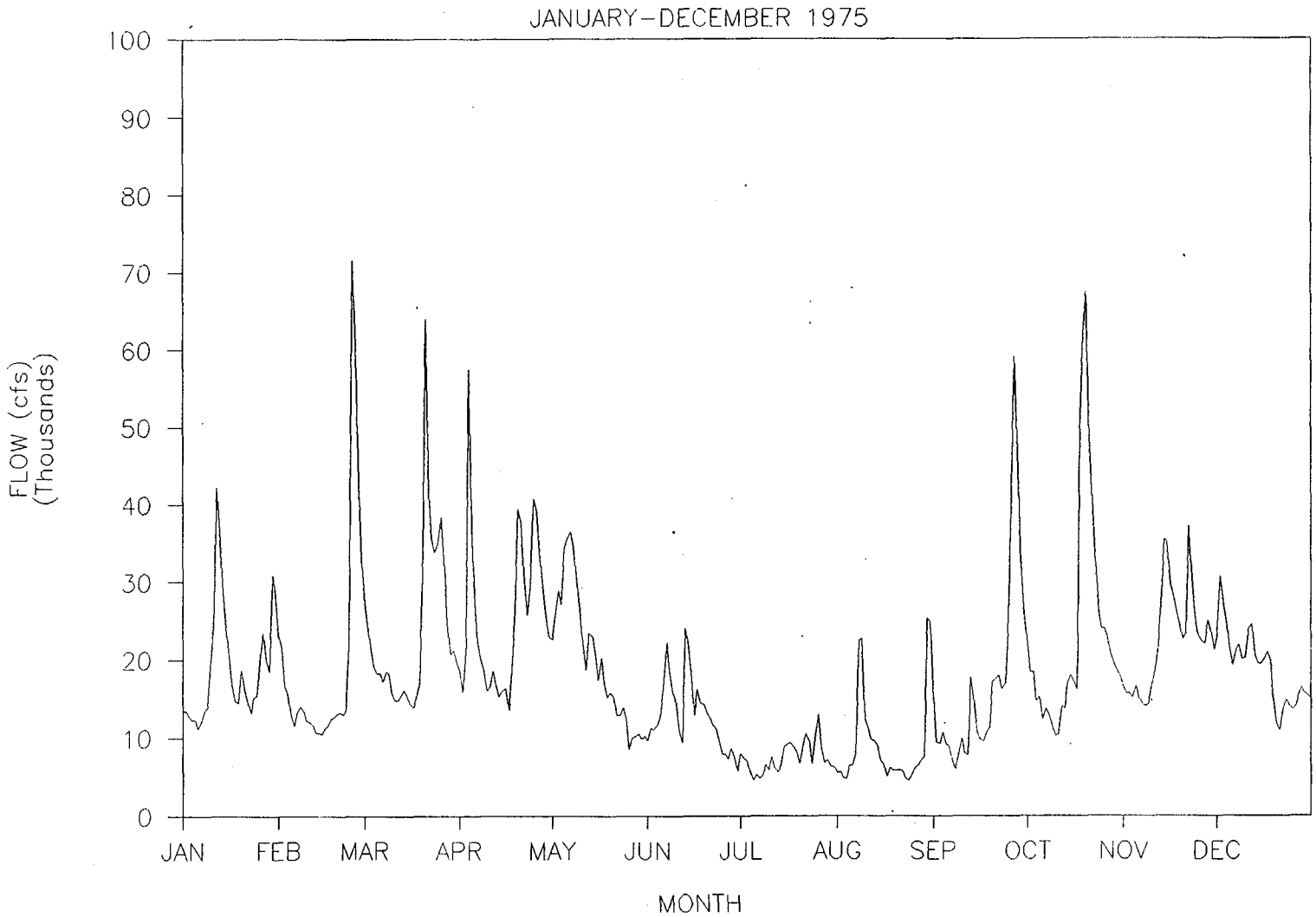
APPENDIX D

HUDSON RIVER FLOW AT GREEN ISLAND, NEW YORK (1947-1987)

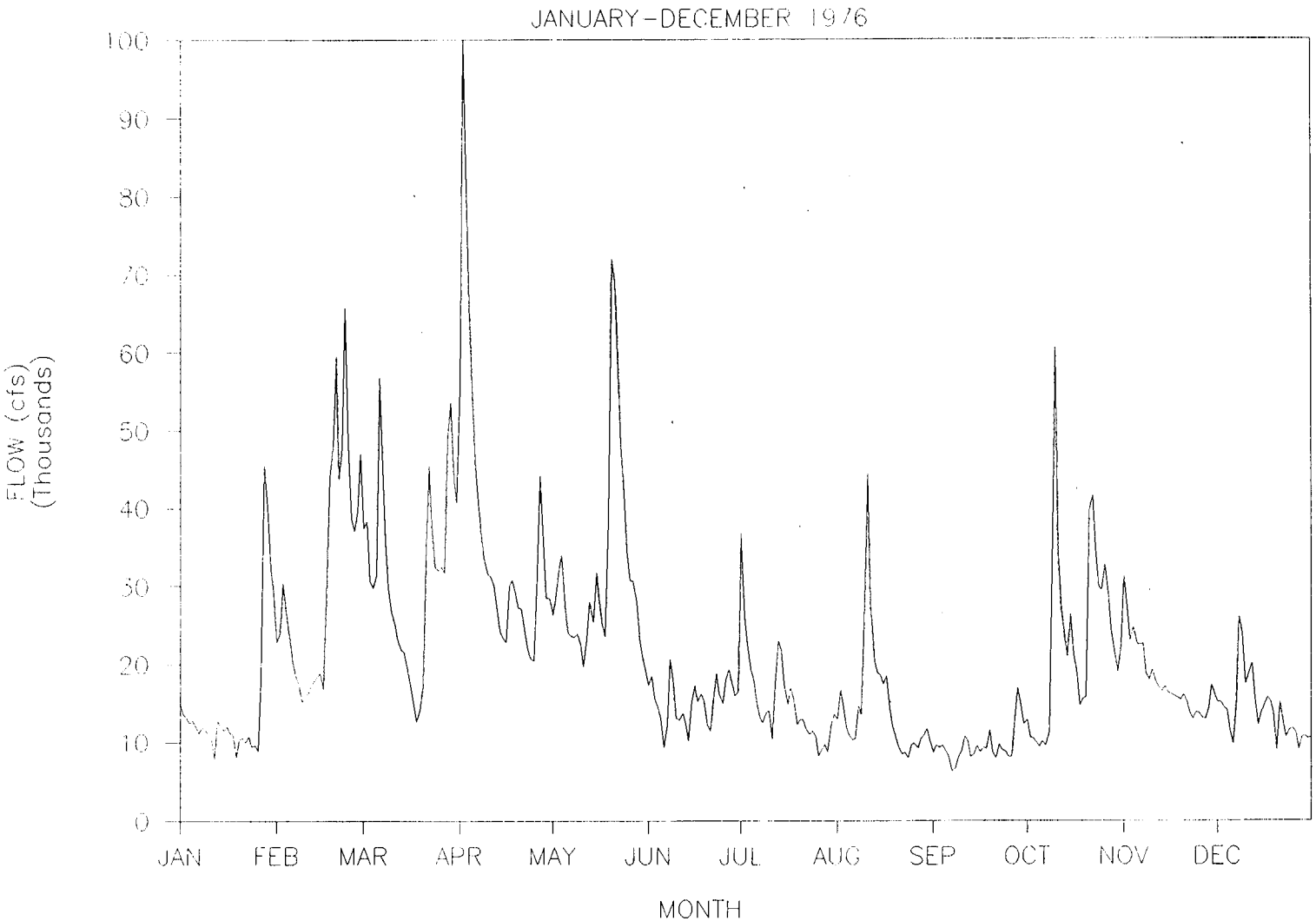
FRESHWATER FLOW AT GREEN ISLAND,N.Y.



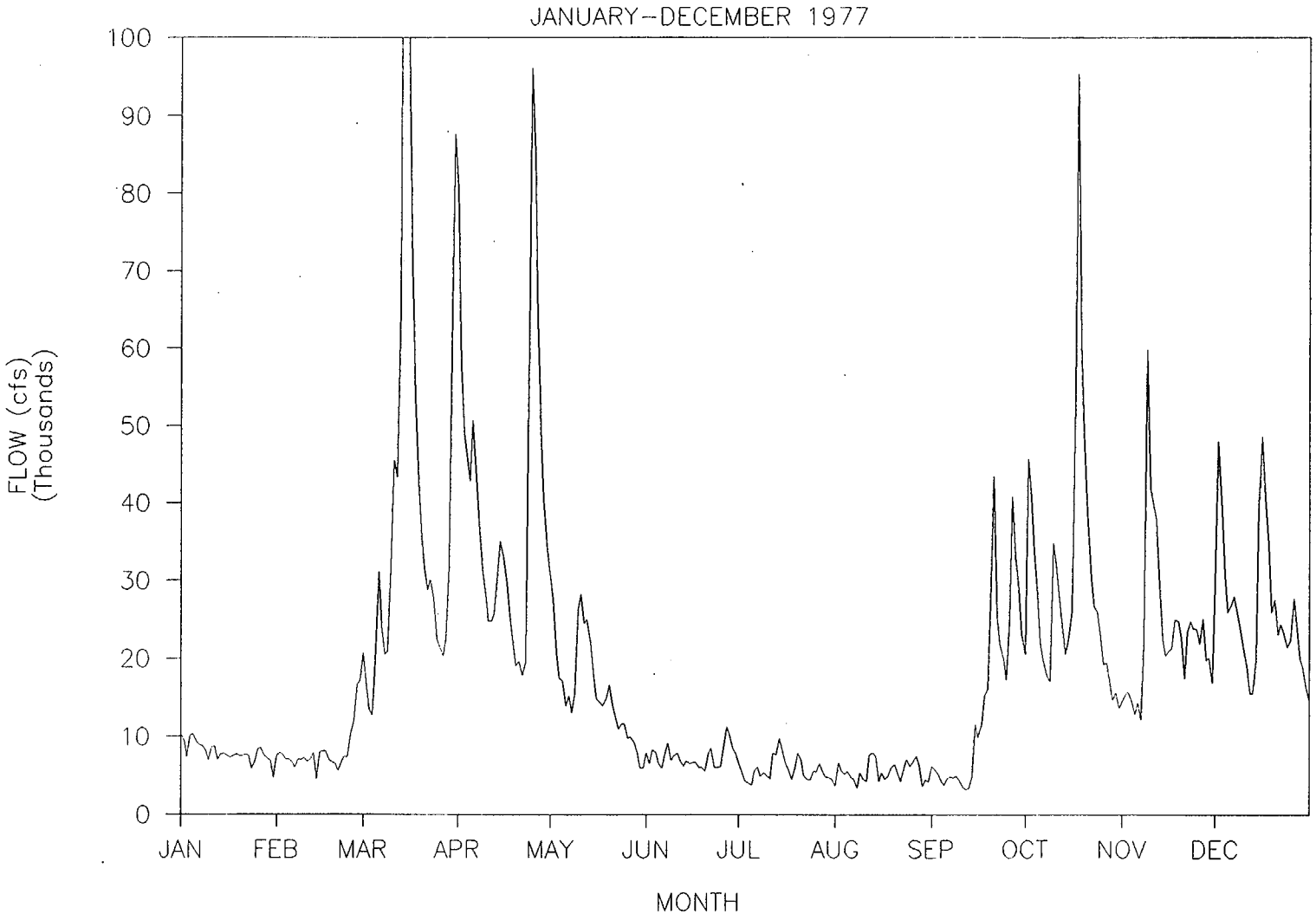
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



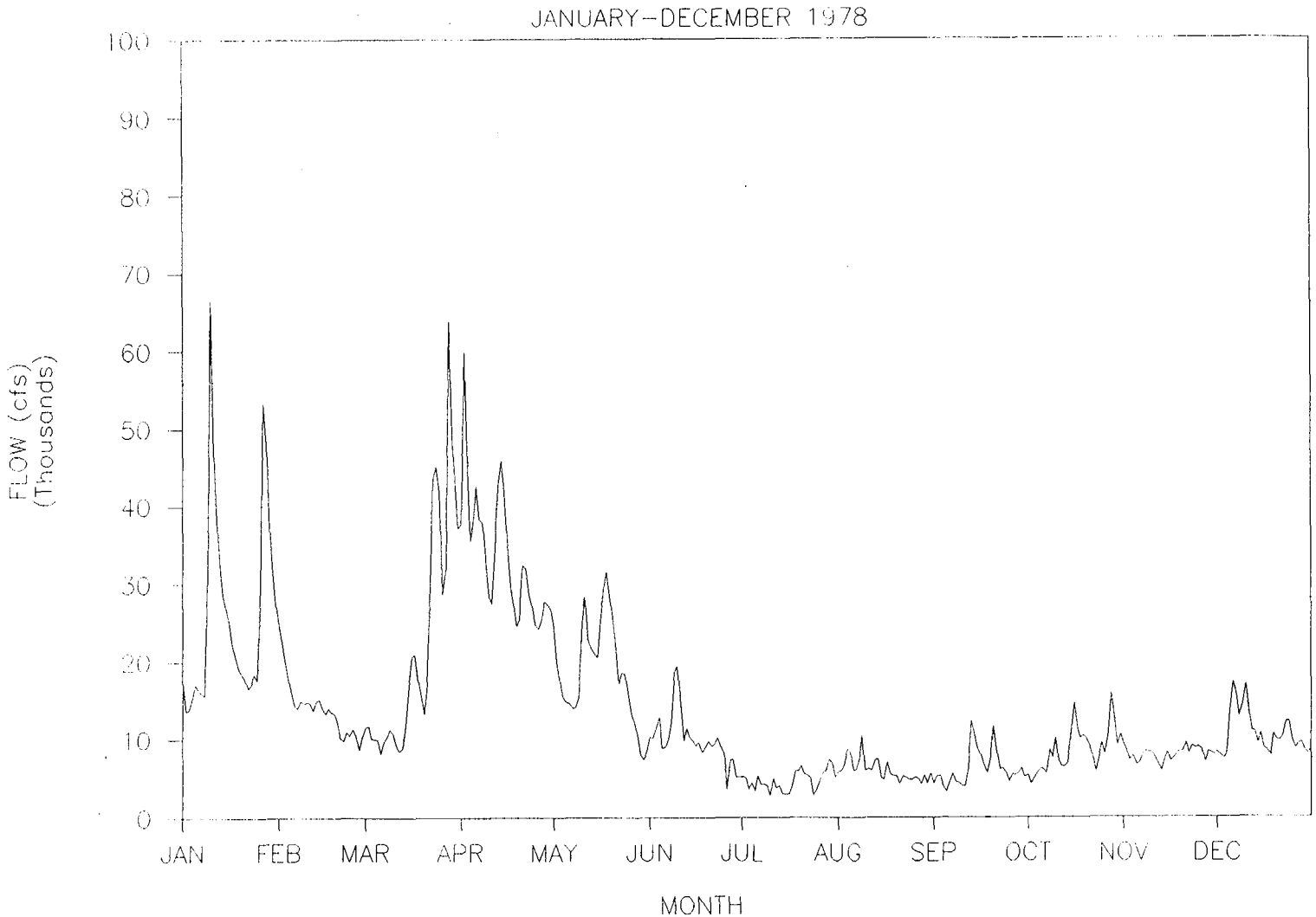
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



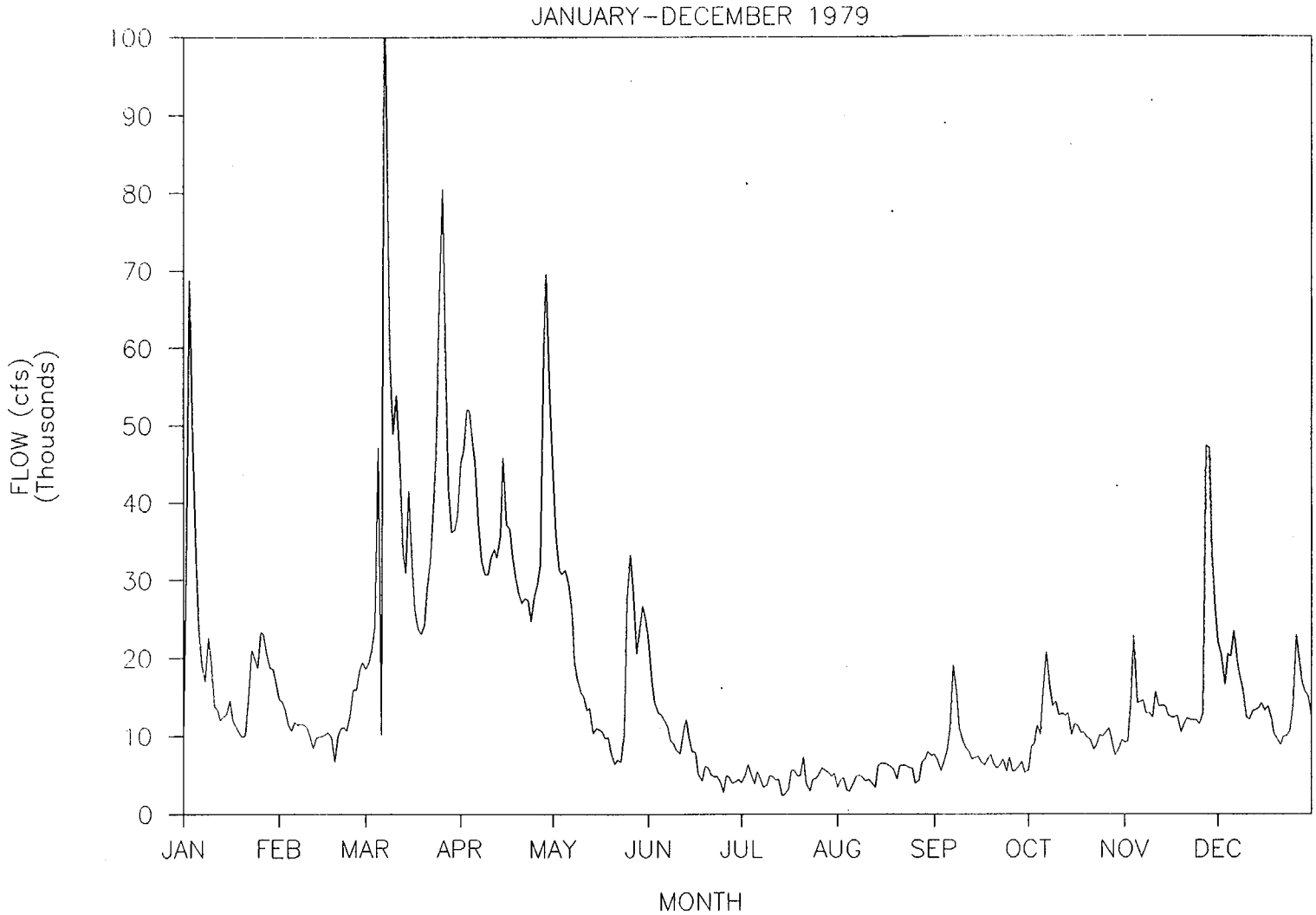
FRESHWATER FLOW AT GREEN ISLAND,N.Y.



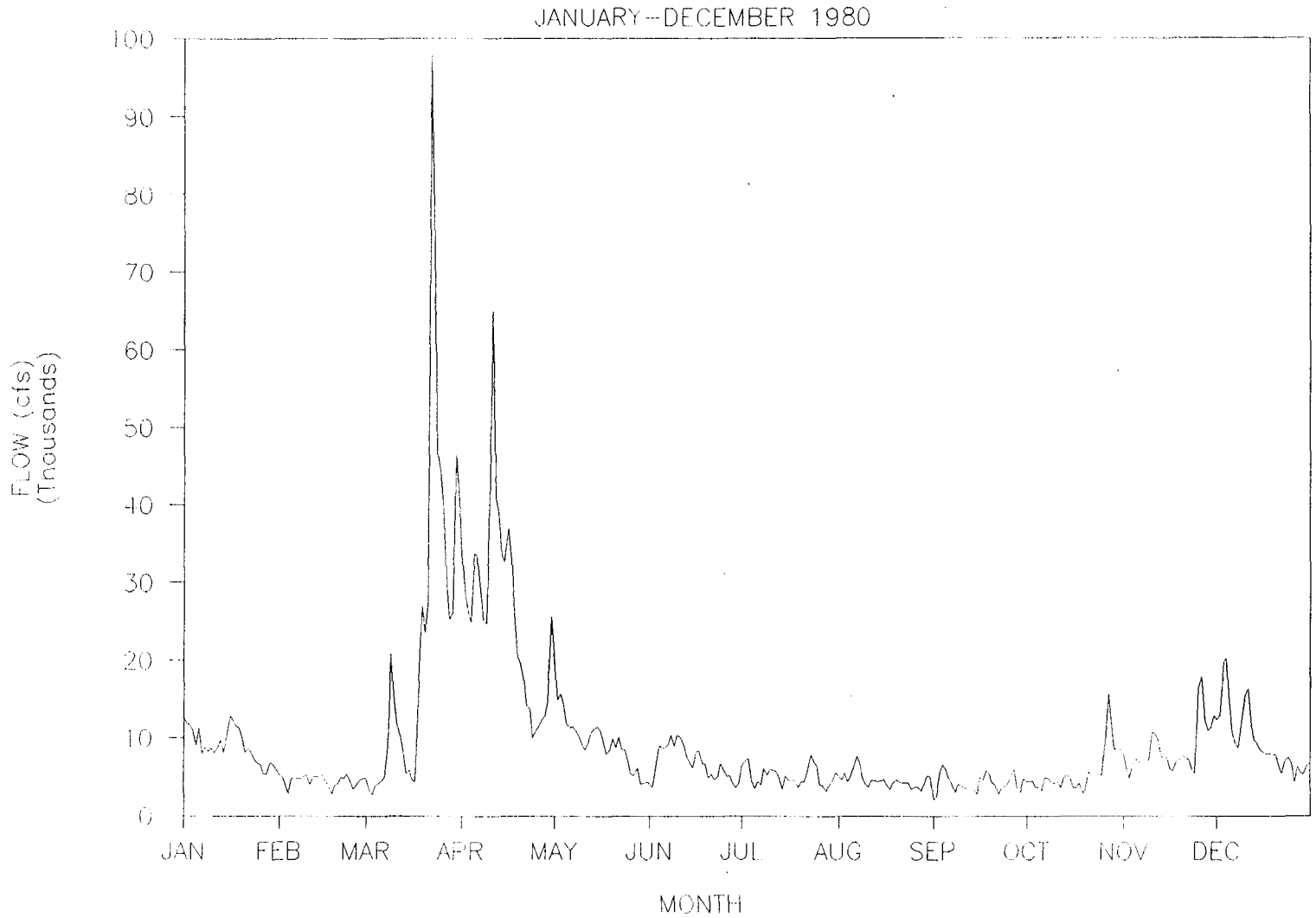
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



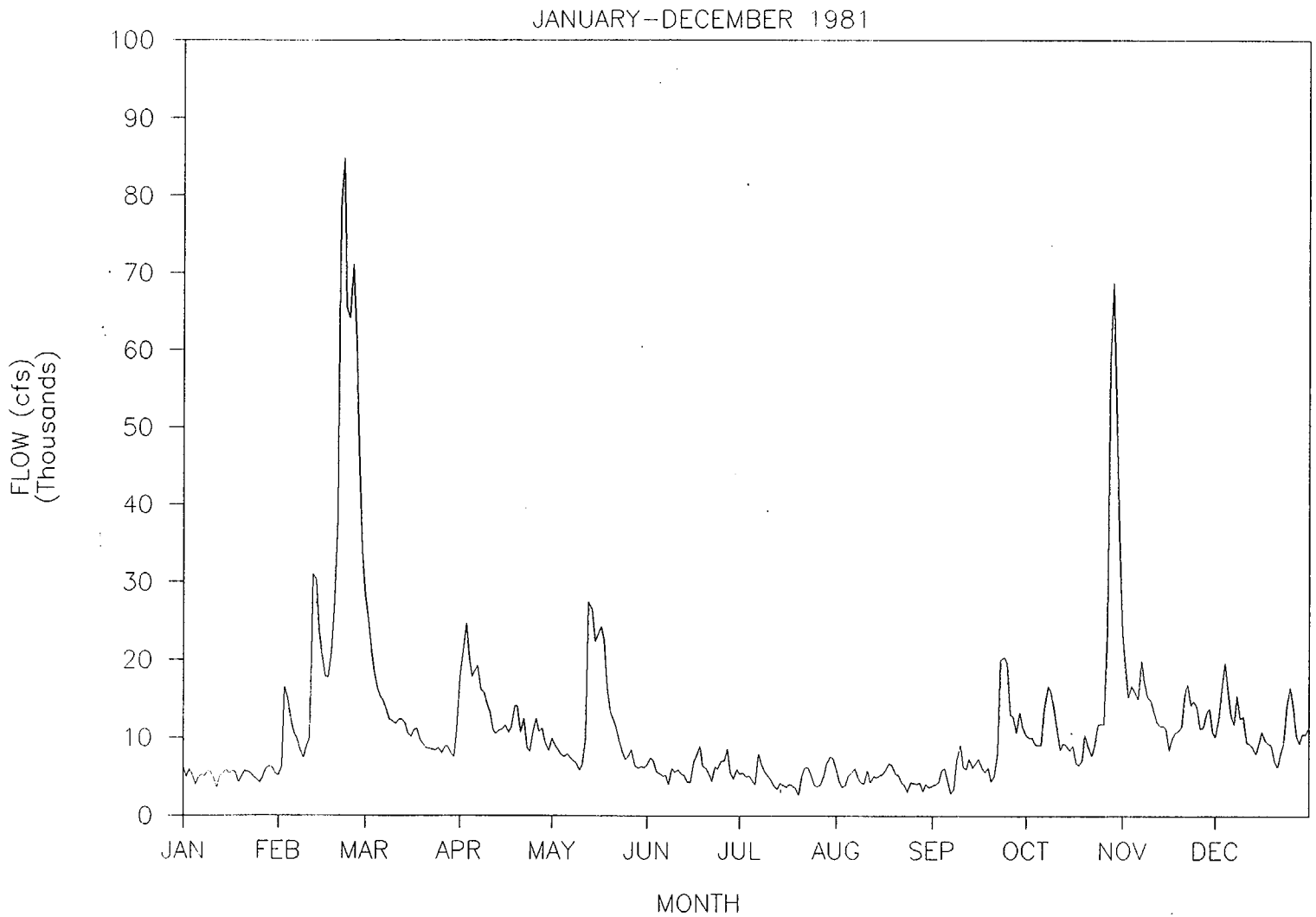
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



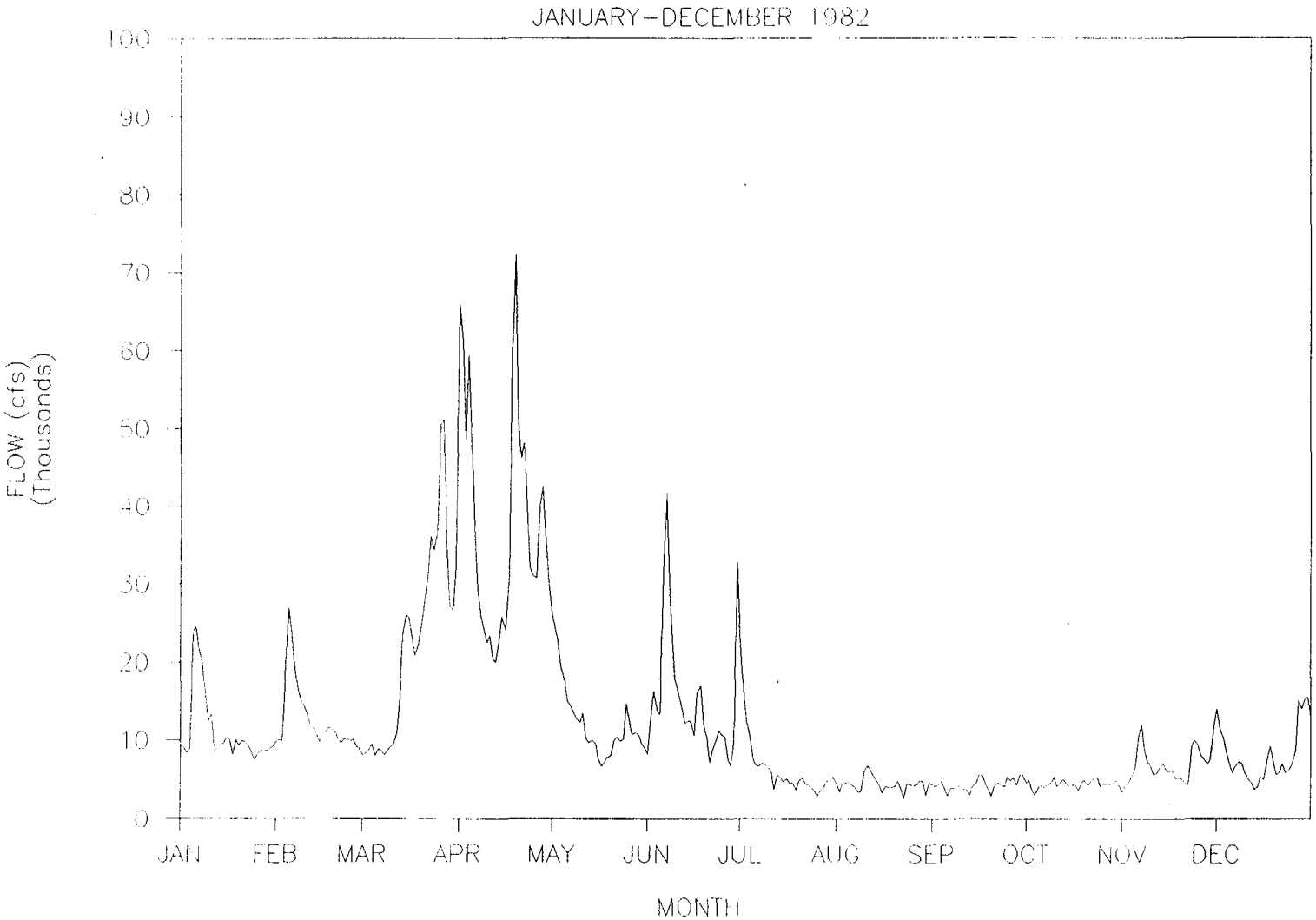
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



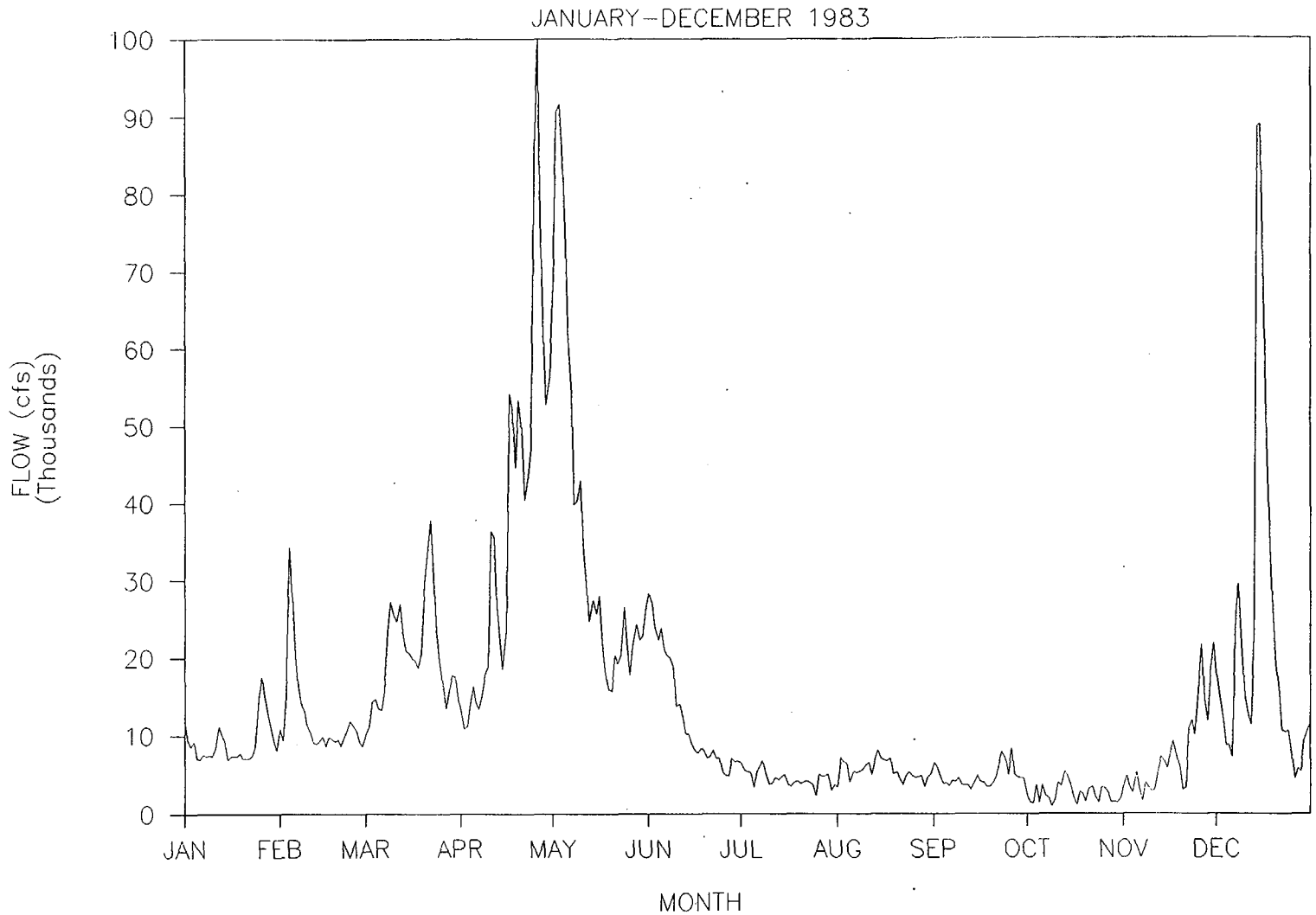
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



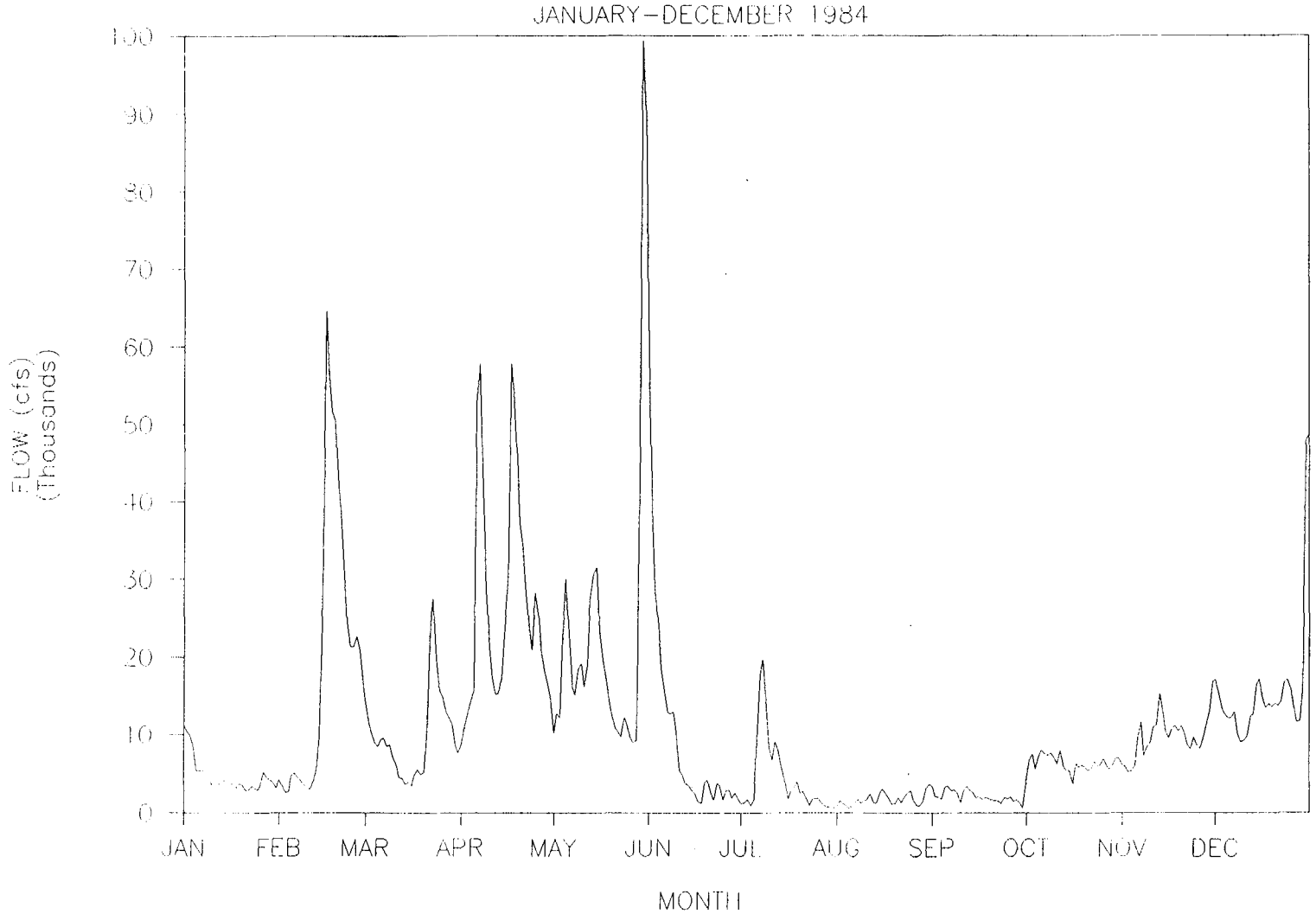
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



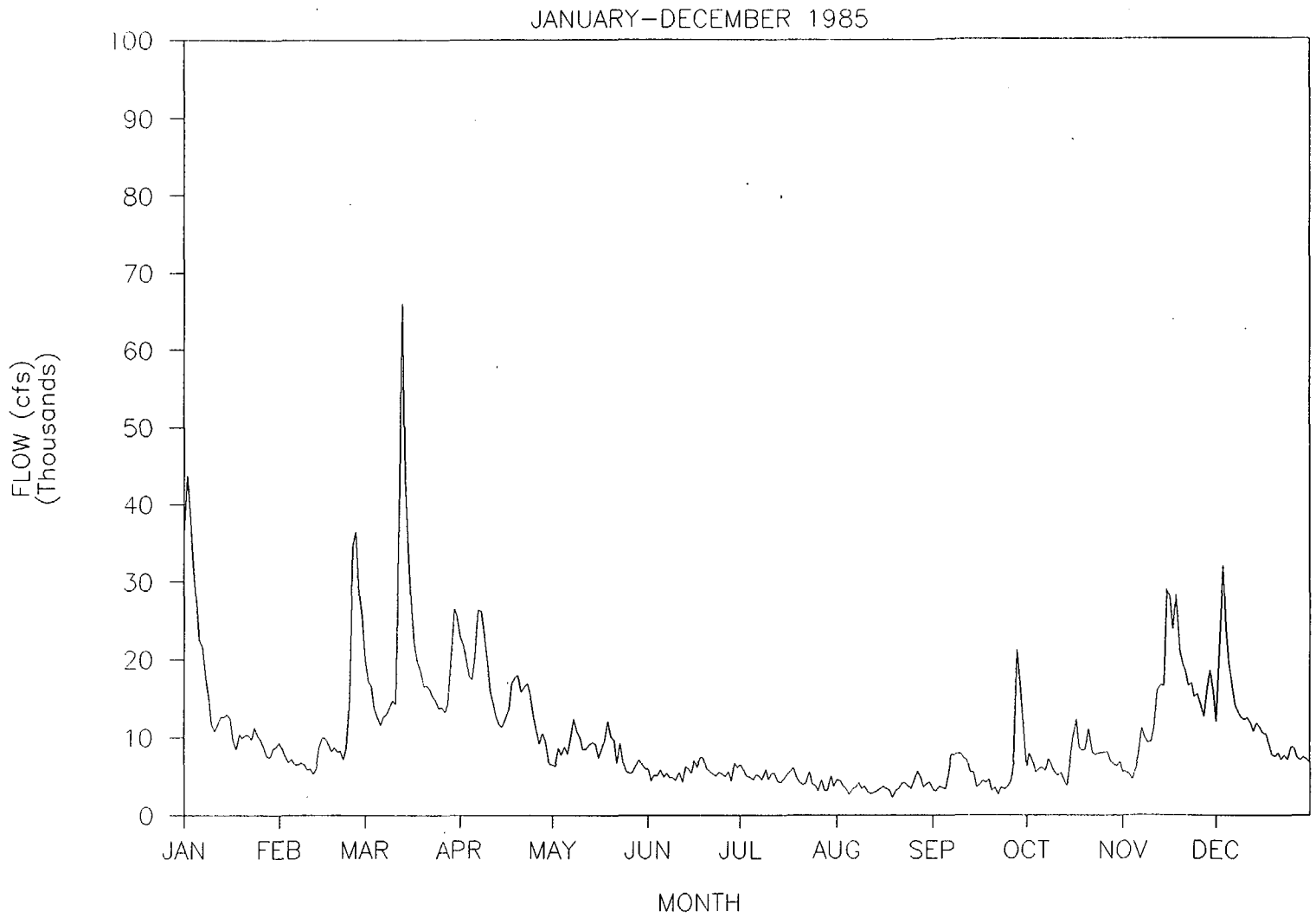
FRESHWATER FLOW AT GREEN ISLAND,N.Y.



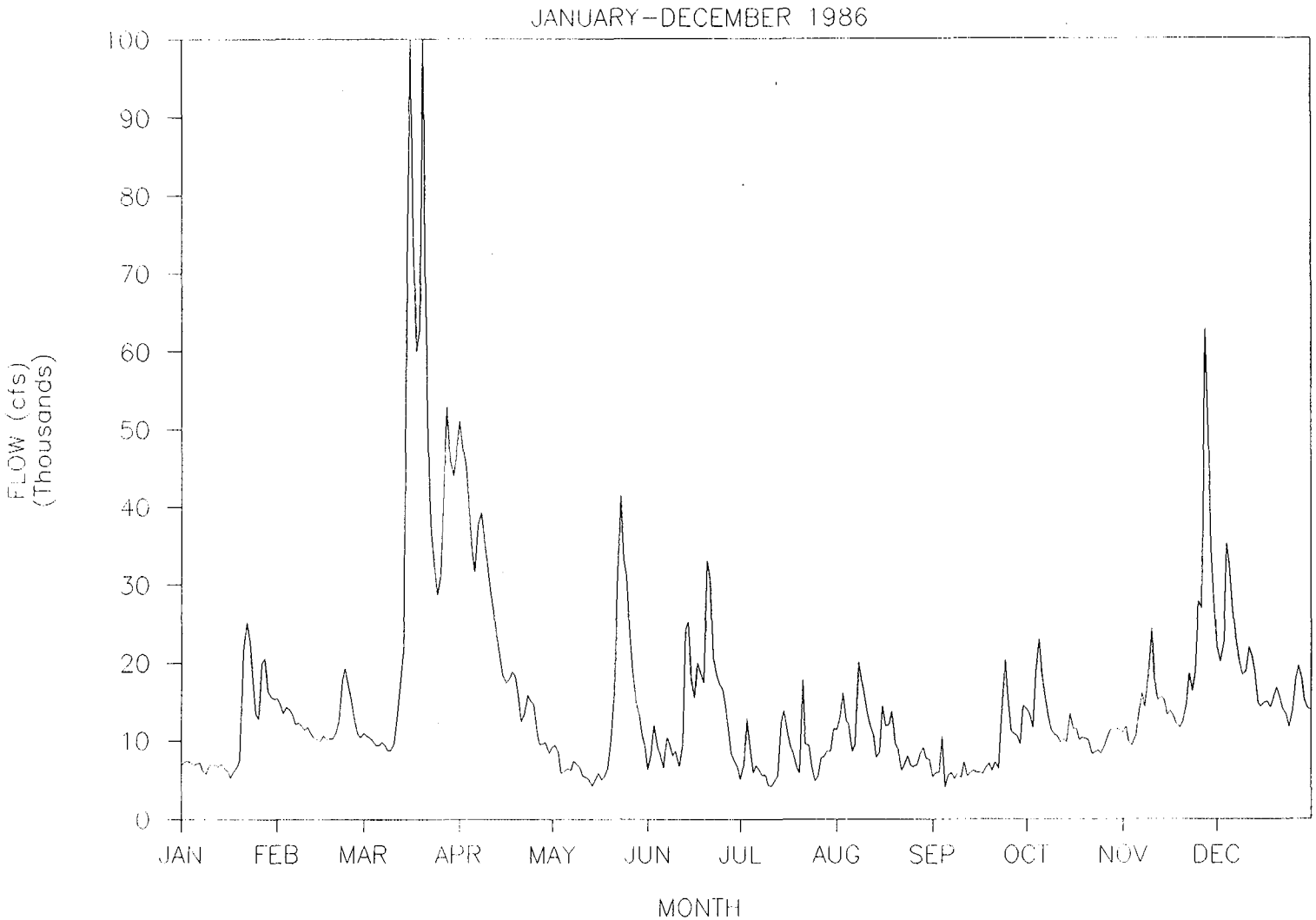
FRESHWATER FLOW AT GREEN ISLAND, N.Y.



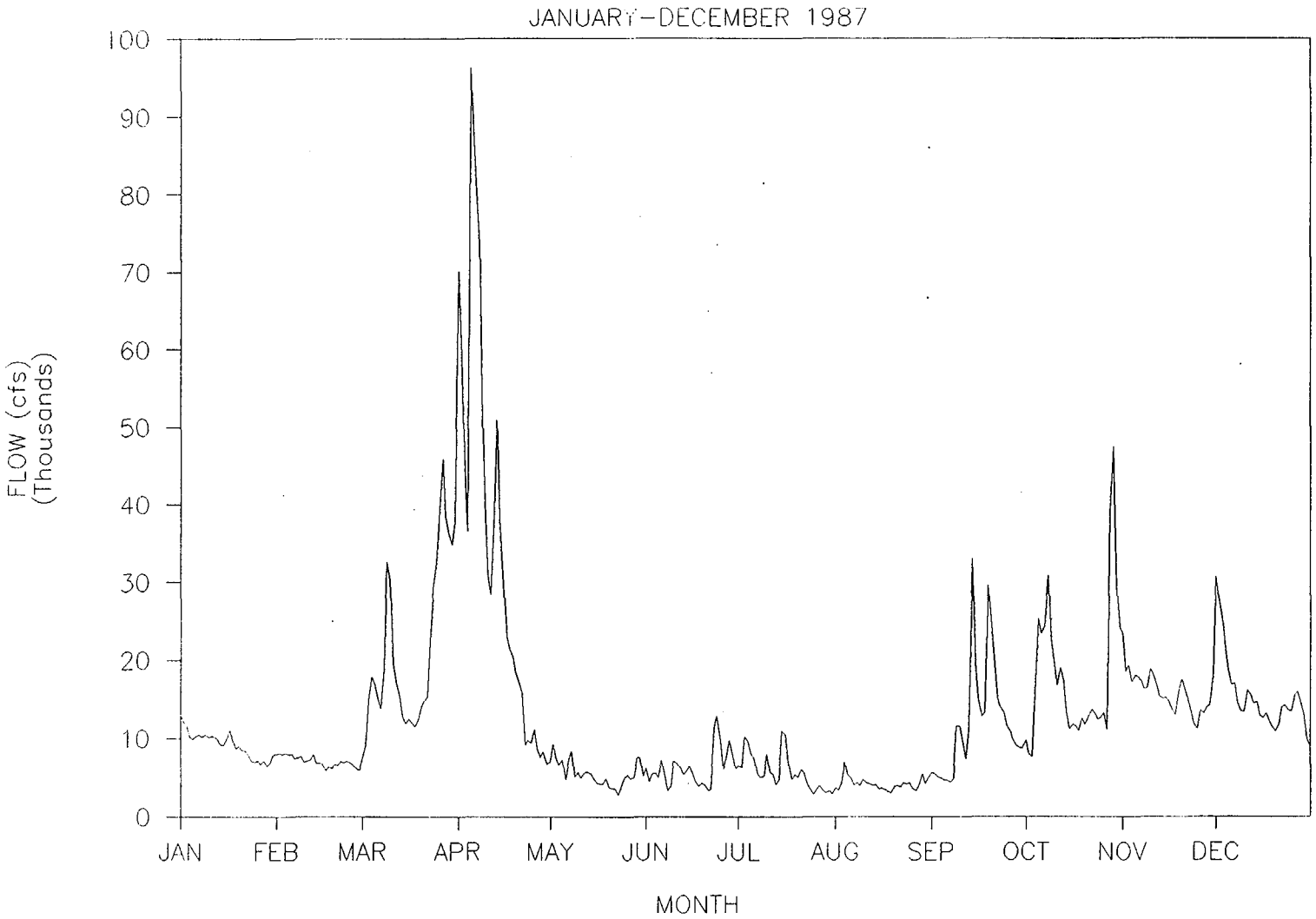
FRESHWATER FLOW AT GREEN ISLAND,N.Y.



FRESHWATER FLOW AT GREEN ISLAND,N.Y.



FRESHWATER FLOW AT GREEN ISLAND,N.Y.



APPENDIX E

LRS/FSS HUDSON RIVER pH (1974-1978)

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1974, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
15APR74	.	.	.	.	.	.	7.3	7.4	7.3	7.3	7.3	.
22APR74	.	.	.	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
29APR74	7.3	7.4	7.4	.	7.4	7.3	7.3	7.2	7.2	7.2	7.1	.
13MAY74	.	7.2	.	.	.	7.2	.	.	.	7.2	7.4	.
20MAY74	7.5	.	.	.	.	7.7	.	.	.	.	.	.
27MAY74	7.5	6.7	6.9	7.1	.	7.0	.	.	.	7.3	7.2	7.2
03JUN74	.	7.4	.	7.3	.	7.2	7.3	7.5	7.8	6.9	7.0	6.9
10JUN74	8.1	8.0	7.3	7.4	7.3	7.2	7.4	7.5	7.9	8.1	.	.
17JUN74	6.6	7.3	7.1	7.3	7.4	7.4	7.5	.	.	7.7	.	.
24JUN74	.	.	.	7.3	7.4	7.4	7.5	7.3	7.5	.	.	.
01JUL74	7.6	7.8	7.5	7.5	7.6	7.5	7.5	7.5	7.6	.	.	.
08JUL74	8.0	7.9	7.8	7.5	.	7.6	7.5	7.5	7.6	.	.	.
15JUL74	7.6	7.9	7.8	7.5	7.4	.	7.6	7.4	7.5	.	.	.
22JUL74	7.4	7.6	7.7	7.4	.	7.6	.	7.6	7.6	.	.	.
29JUL74	7.4	7.6	7.7	7.4	.	.	.	7.7	7.7	.	7.9	.
05AUG74	7.4	7.4	7.5	7.5	7.6	7.7	.	7.9	7.9	7.9	.	.
12AUG74	7.3	7.6	.	7.4	7.7	7.8	7.8	7.6	8.0	.	.	.
19AUG74	7.3	7.5	7.7	.	7.7	7.8	.	.	.	.	.	.
26AUG74	.	7.6	.	8.0	7.4	7.6	.	.	.	.	.	.
02SEP74	7.3	7.2	.	7.5	7.5	.	7.3	.	.	.	.	.
09SEP74	.	7.5	7.5	7.5	7.6	.	7.6	.	.	.	.	.
16SEP74	7.5	7.6	.	.	7.5	.	.	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1974, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
23SEP74	.	7.7	.	8.5	7.5	7.6	7.4	.	.	.	.	.
30SEP74	.	7.7	7.3	.	.	.	.	.	.	.	.	.
07OCT74	7.9	7.7	.	7.6	.	.	.	.	.	.	.	.
14OCT74	7.6	7.8	.	.	.	.	.	.	.	.	.	.
21OCT74	7.6	7.8	7.7	.	.	7.6	.	.	.	.	.	.
28OCT74	.	7.5	7.5	7.7	.	.	7.3	.	.	.	.	.
04NOV74	.	7.5	7.5	7.5	.	7.7	.	.	.	.	.	.
11NOV74	7.5	7.5	7.6	.	.	.	.	.	.	.	.	.
18NOV74	.	7.5	7.5	7.7	.	.	.	.	.	.	.	.
25NOV74	.	.	.	.	.	7.5	.	.	.	.	.	.
02DEC74	7.8	.	.	.	7.7	7.8	7.5	.	.	.	.	.
09DEC74	.	7.4	7.4	.	.	.	.	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1975, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
10MAR75	.	7.3	7.4	7.3	7.5	7.6	.	.	.	.	.	.
24MAR75	7.4	.	.	7.2	7.2	7.1	7.1	.	.	.	.	.
07APR75	7.5	7.4	7.6	7.4	.	.	7.5	.	.	.	.	.
20APR75	7.6	7.4	.	7.3	.	.	7.5	.	.	.	7.6	.
05MAY75	.	.	7.3	.	7.3	.	7.2	7.0	7.7	7.7	7.6	.
12MAY75	7.2	7.4	7.6	7.5	.	.	7.4	7.4	.	7.4	7.5	.
19MAY75	7.3	7.4	.	7.3	7.6	.	.	7.6	7.7	7.7	.	.
26MAY75	6.6	7.6	7.7	7.1	7.0	.	7.3	7.1	7.2	7.2	.	.
02JUN75	8.1	.	7.8	7.0	7.6	.	7.4	7.4	7.6	7.6	.	7.3
09JUN75	7.3	7.3	7.2	7.3	7.4	.	7.4	7.5	.	.	.	.
16JUN75	7.6	7.5	7.2	7.2	7.2	.	7.3	7.3	7.4	7.4	.	.
23JUN75	.	.	7.1	7.5	7.5	.	7.4	.	.	7.5	7.2	.
30JUN75	8.0	.	7.2	7.2	.	.	7.3	7.3	8.0	8.1	.	7.3
07JUL75	7.4	7.6	7.6	7.3	.	.	7.3	7.3	.	7.8	7.6	.
14JUL75	.	7.4	7.5	7.5	7.7	7.7	7.8	.	7.6	7.2	7.4	.
21JUL75	.	7.2	7.3	.	.	.	7.4	7.5	.	7.6	.	.
28JUL75	6.6	6.6	6.5	7.6	7.5	.	7.5	7.9	.	7.8	.	.
11AUG75	7.4	7.4	.	7.2	7.3	.	7.1	7.2	7.8	7.2	7.2	7.2
18AUG75	7.2	7.3	7.3	7.2	7.2	7.4	7.3	.	.	.	.	.
01SEP75	7.3	7.2	7.1	6.9	7.0	7.0	7.0	.	.	.	.	.
15SEP75	7.2	7.3	7.4	7.2	7.2	7.2	7.1	.	.	.	.	.
29SEP75	7.1	7.3	7.2	7.1	7.2	7.3	7.1	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1975, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13OCT75	7.5	7.6	7.6	7.5	7.4	7.4	7.4	.	.	.	.	.
27OCT75	7.3	7.2	7.1	6.9	7.1	6.9	7.0	.	.	.	.	.
10NOV75	7.5	7.5	7.5	7.5	7.6	7.6	7.5	.	.	.	.	.
17NOV75	7.3	7.5	.	.	.	.	.	.	.	.	.	.
24NOV75	.	7.4	7.3	7.4	7.4	7.4	7.4	.	.	.	.	.
08DEC75	7.7	7.7	7.4	7.4	7.5	7.5	7.5	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1976, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
.	.	.	.	.	.	.	.	.	.	.	.	.
03MAY76	.	7.3	.	.	.	.	.	.	.	.	.	.
10MAY76	.	.	7.6	.	.	.	.	.	.	.	.	.
16AUG76	7.1	7.1	7.3	7.1	7.1	7.0	7.0	.	.	.	.	.
30AUG76	6.7	7.0	7.1	6.9	6.8	6.7	6.7	.	.	.	.	.
13SEP76	7.2	7.3	7.3	7.3	7.5	7.5	7.5	.	.	.	.	.
27SEP76	6.8	6.9	6.9	6.8	6.8	6.8	6.8	.	.	.	.	.
11OCT76	7.4	7.6	7.5	7.0	7.4	7.4	7.4	.	.	.	.	.
25OCT76	6.5	6.7	6.9	6.6	6.7	6.6	6.5	.	.	.	.	.
08NOV76	7.0	7.1	7.1	7.1	7.6	7.7	7.3	.	.	.	.	.
15NOV76	6.7	6.7	.	.	.	.	.	.	.	.	.	.
22NOV76	.	6.9	7.0	7.0	6.9	6.9	6.9	.	.	.	.	.
06DEC76	7.0	6.9	.	7.3	7.3	7.3	7.2	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1977, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
21FEB77	.	6.8	6.9	7.0	.	.	7.1	.	.	.	.	.
07MAR77	.	.	7.3	7.2	7.3	7.2	.	.	.	.	.	.
21MAR77	.	7.2	.	.	6.9	.	.	.	.	.	.	.
04APR77	.	.	7.1	7.1	.	.	7.3	.	.	.	.	.
18APR77	.	.	6.9	7.0	7.1	7.2	7.2	.	.	.	.	.
25APR77	.	.	7.1	7.2	7.2	.	.	.	.	7.2	.	.
02MAY77	6.8	6.9	.	7.0	7.2	7.1	7.1	.	.	.	.	.
09MAY77	.	.	.	6.8	7.4	.	7.2	7.2	.	.	.	.
16MAY77	.	.	.	7.4	7.4	.	.	7.3	.	7.5	.	.
23MAY77	.	.	7.4	7.4	7.1	.	7.4	.	.	.	.	.
30MAY77	.	7.4	.	.	7.3	7.7	.	7.3	.	.	.	7.1
06JUN77	7.3	7.3	.	7.3	7.4	.	7.2	7.2	.	.	7.2	7.2
13JUN77	.	7.7	7.3	7.2	7.6	7.4	7.5	7.3	.	7.3	.	.
20JUN77	.	7.8	7.6	.	.	7.4	7.3	7.3	.	.	.	.
27JUN77	7.2	7.3	7.5	7.4	7.4	.	.	.	.	7.6	.	.
04JUL77	.	.	.	.	7.4	7.3	7.2	.	7.2	.	.	7.3
11JUL77	.	.	7.1	7.2	7.3	.	7.1	.	.	7.8	7.8	.
25JUL77	7.3	7.3	7.3	7.3	7.4	.	7.3	.	.	.	.	.
08AUG77	.	7.2	7.2	7.4	.	.	7.4	.	.	.	.	.
15AUG77	.	7.4	.	7.2	.	.	.	.	.	.	.	.
29AUG77	.	.	7.4	7.4	7.4	.	.	.	.	.	.	.
12SEP77	.	7.4	7.5	.	7.3	.	7.5	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1977, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
26SEP77	.	7.5	7.4	.	.	.	.	.	.	.	.	.
10OCT77	.	.	7.4	.	.	7.3	7.3	.	.	.	.	.
24OCT77	.	.	.	.	.	.	7.5	.	.	.	.	.
07NOV77	.	.	7.5	.	.	.	.	.	.	.	.	.
14NOV77	7.1	.	.	.	.	.	.	.	.	.	.	.
21NOV77	.	7.6	.	.	.	.	.	.	.	.	.	.
05DEC77	.	.	7.3	7.4	.	.	.	.	.	.	.	.

WEIGHTED MEAN PH BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1978, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
27MAR78	.	7.4	.	7.5	7.6	7.4	.	.	.	.	.	.
17APR78	.	.	7.3	7.5	7.3	.	7.4	.	.	.	.	7.4
24APR78	.	.	.	7.5	7.4	.	.	7.5	7.5	.	.	.
01MAY78	6.5	.	.	6.9	6.8	7.1	.	.	7.4	.	.	.
08MAY78	.	7.2	6.8	7.4	6.8	.	.	.	.	.	7.3	.
15MAY78	.	.	.	7.2	6.7	.	7.0	.	7.0	.	.	.
22MAY78	.	.	6.7	6.9	7.0	.	.	6.8	6.8	6.9	7.1	7.2
29MAY78	.	.	.	7.0	7.0	7.2	7.2	7.2	.	.	.	.
05JUN78	.	6.9	.	7.1	.	.	7.0	.	7.0	.	.	.
12JUN78	.	.	.	7.2	7.2	.	6.9	.	.	.	.	.
19JUN78	.	.	.	.	7.2	6.8	6.8	.	.	.	.	.
26JUN78	.	7.1	.	7.1	7.0	.	.	7.2	.	.	.	6.9
03JUL78	.	7.0	.	.	7.0	7.0	7.2	7.0	6.8	.	.	.
17JUL78	.	.	.	7.2	.	.	7.1	7.4	.	7.9	.	7.0
31JUL78	.	6.9	.	6.9	7.1	.	7.2	.	7.6	.	.	6.6
14AUG78	.	.	7.2	7.1	7.1	.	7.2	.	.	.	7.0	.
04SEP78	7.2	.	7.1	.	.	7.4	7.3	.	.	.	.	.
18SEP78	.	.	7.4	7.5	7.6	.	.	.	.	.	.	.
30OCT78	.	7.4	7.4	7.4	7.5	.	.	.	.	.	.	.
27NOV78	.	.	7.0	.	.	.	6.8	.	.	.	.	.

APPENDIX F

LRS/FSS HUDSON RIVER TURBIDITY (1974-1978)

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1974, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
15APR74	.	.	.	.	.	.	15.0	20.0	27.0	18.3	22.6	.
22APR74	.	.	.	12.7	17.1	19.1	11.1	15.0	7.9	7.7	6.7	5.5
29APR74	17.6	29.5	24.0	.	23.0	12.0	11.0	9.2	7.4	3.1	2.8	.
13MAY74	.	8.4	.	.	.	8.0	.	.	.	14.5	26.0	.
20MAY74	29.5	.	.	.	.	8.0	.	.	.	.	.	.
27MAY74	21.0	51.0	21.5	11.0	.	19.0	.	.	.	4.6	9.2	7.5
03JUN74	.	23.8	.	13.5	.	11.0	7.4	7.9	6.0	6.9	5.6	6.4
10JUN74	9.2	8.5	9.4	7.4	10.0	9.2	6.4	9.9	6.2	4.7	.	.
17JUN74	11.0	7.6	28.0	11.0	8.3	7.4	22.5	.	.	12.9	.	.
24JUN74	.	.	.	13.9	27.0	13.0	11.0	10.0	9.5	.	.	.
01JUL74	15.7	11.2	8.2	7.7	9.3	7.6	12.5	14.0	8.5	.	.	.
08JUL74	6.1	6.5	8.9	5.8	.	6.6	4.2	13.9	8.3	.	.	.
15JUL74	23.0	5.2	3.3	5.0	5.7	.	3.6	7.4	17.0	.	.	.
22JUL74	26.0	35.7	5.5	.	.	34.0	.	46.0	96.0	.	.	.
29JUL74	21.8	28.3	9.1	4.4	.	.	.	38.0	33.0	.	31.0	.
05AUG74	21.0	14.4	16.0	38.0	26.3	7.5	.	8.0	24.0	4.0	.	.
12AUG74	24.0	6.9	.	14.4	11.0	11.5	14.0	38.0	28.0	.	.	.
19AUG74	16.5	5.7	4.6	.	14.0	15.0	.	.	.	.	.	.
26AUG74	.	7.3	.	8.1	7.7	8.8	.	.	.	.	.	.
02SEP74	31.0	4.2	.	6.7	5.1	.	5.1	.	.	.	.	.
09SEP74	.	3.8	5.3	13.9	17.1	.	6.3	.	.	.	.	.
16SEP74	42.0	8.3	.	.	8.7	.	.	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1974, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
23SEP74	.	14.0	.	8.6	9.6	7.5	5.7	.	.	.	.	.
30SEP74	.	3.8	8.0	.	.	.	.	.	.	.	.	.
07OCT74	16.0	11.0	.	8.5	.	.	.	.	.	.	.	.
14OCT74	65.0	9.8	.	.	.	.	.	.	.	.	.	.
21OCT74	5.3	7.5	7.3	.	.	4.5	.	.	.	.	.	.
28OCT74	.	3.4	5.2	7.5	.	.	12.0	.	.	.	.	.
04NOV74	.	4.2	5.2	7.7	.	7.1	.	.	.	.	.	.
11NOV74	76.0	14.9	9.0	.	.	.	.	.	.	.	.	.
18NOV74	.	10.0	12.0	13.8	.	.	.	.	.	.	.	.
25NOV74	.	.	.	.	.	3.3	.	.	.	.	.	.
02DEC74	31.0	.	.	.	18.3	13.0	14.0	.	.	.	.	.
09DEC74	.	18.0	18.0	.	.	.	.	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1975, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
10MAR75	.	6.6	12.0	25.0	33.0	23.0	.	.	.	.	.	.
24MAR75	27.0	.	.	7.9	13.5	22.0	15.0	.	.	.	.	.
07APR75	20.0	15.4	23.0	18.0	.	.	41.0	.	.	.	.	.
20APR75	33.0	32.0	.	37.5	.	.	32.0	.	.	.	11.0	.
05MAY75	11.2	18.5	5.7	.	9.4	.	3.5	20.0	2.2	3.2	2.4	.
12MAY75	.	8.4	10.7	3.4	.	.	4.7	5.3	.	3.1	4.0	.
19MAY75	6.2	14.7	.	9.5	10.0	.	.	9.5	2.0	7.5	.	.
26MAY75	11.7	13.4	5.7	6.6	17.0	.	5.0	9.2	7.2	4.0	.	.
02JUN75	4.4	.	2.3	3.0	2.1	.	3.7	3.5	2.7	3.2	.	3.5
09JUN75	14.0	20.0	12.4	15.7	15.0	.	7.1	7.6	.	.	.	.
16JUN75	12.0	8.7	8.5	16.3	20.0	.	6.8	5.3	5.5	5.9	.	.
23JUN75	.	.	7.1	22.0	7.6	.	4.9	.	.	4.4	6.1	.
30JUN75	10.5	.	2.5	5.0	.	.	6.5	6.1	3.3	1.4	.	2.3
07JUL75	16.0	6.0	5.8	8.5	.	.	6.2	5.0	.	3.5	6.5	.
14JUL75	.	6.9	6.8	4.4	13.3	6.0	2.2	.	5.3	4.3	3.6	.
21JUL75	.	7.4	7.7	.	.	.	3.9	6.1	.	4.0	.	.
28JUL75	4.4	4.6	5.2	4.2	6.7	.	3.1	3.3	.	5.0	.	.
11AUG75	15.5	16.6	.	21.8	35.0	.	7.3	6.4	3.5	5.5	10.9	4.7
18AUG75	22.7	4.4	3.1	4.8	4.8	5.8	6.1	.	.	.	.	.
01SEP75	34.5	7.9	5.5	6.6	6.8	5.1	7.3	.	.	.	.	.
15SEP75	4.1	4.3	6.7	16.9	7.4	5.5	6.5	.	.	.	.	.
29SEP75	12.7	11.4	9.0	6.3	10.4	8.7	4.1	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1975, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
13OCT75	6.4	4.4	5.6	8.0	7.4	5.4	8.0	.	.	.	.	.
27OCT75	14.0	8.1	10.2	14.2	28.5	26.5	30.6	.	.	.	.	.
10NOV75	14.4	15.7	16.4	19.7	20.0	21.4	6.7	.	.	.	.	.
17NOV75	18.7	17.9	.	.	.	.	.	.	.	.	.	.
24NOV75	.	12.0	14.0	8.8	14.3	19.4	7.7	.	.	.	.	.
08DEC75	22.4	7.0	7.5	13.0	17.0	12.8	6.3	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1976, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
.	.	.	.	.	.	.	.	.	.	.	.	.
03MAY76	.	23.0	.	.	.	.	.	.	.	.	.	.
10MAY76	.	.	7.5	.	.	.	.	.	.	.	.	.
16AUG76	18.3	9.3	5.8	9.7	8.2	9.0	8.2	.	.	.	.	.
30AUG76	58.0	13.5	17.9	17.1	16.2	16.7	10.4	.	.	.	.	.
13SEP76	14.3	9.2	9.2	8.9	13.9	5.6	11.6	.	.	.	.	.
27SEP76	30.1	14.8	12.1	16.6	12.1	10.3	14.6	.	.	.	.	.
11OCT76	14.6	13.3	12.5	12.7	7.7	7.4	10.5	.	.	.	.	.
25OCT76	50.5	27.2	20.5	15.7	18.4	21.0	24.6	.	.	.	.	.
08NOV76	23.3	16.6	13.2	22.9	18.2	19.8	26.6	.	.	.	.	.
15NOV76	41.5	32.0	.	.	.	.	.	.	.	.	.	.
22NOV76	.	20.0	24.3	20.6	19.8	17.4	26.0	.	.	.	.	.
06DEC76	23.3	23.6	.	15.0	21.0	19.2	13.6	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1977, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
21FEB77	.	22.3	16.7	21.5	.	.	11.0	.	.	.	.	.
07MAR77	.	.	23.0	17.0	22.0	31.0	.	.	.	.	.	.
21MAR77	.	155	.	.	84.0	.	.	.	.	.	.	.
04APR77	.	.	29.0	35.0	.	.	81.0	.	.	.	.	.
18APR77	.	.	19.0	21.5	29.6	16.0	16.3	.	.	.	.	.
25APR77	.	.	21.0	24.0	14.3	.	.	.	.	39.0	.	.
02MAY77	24.0	56.0	.	28.5	31.7	29.0	25.0	.	.	.	.	.
09MAY77	.	.	.	32.0	26.5	.	17.0	19.0	.	.	.	.
16MAY77	.	.	.	17.0	21.3	.	.	17.0	.	17.0	.	.
23MAY77	.	.	26.0	26.0	18.0	.	7.4	.	.	.	.	.
30MAY77	.	13.0	.	.	35.0	32.0	.	21.0	.	.	.	5.0
06JUN77	15.0	11.5	.	17.5	29.0	.	6.2	10.0	.	.	17.0	8.1
13JUN77	.	12.0	17.0	18.0	11.0	13.0	8.5	13.3	.	20.0	.	.
20JUN77	.	20.0	13.0	.	.	11.2	5.4	4.4	.	.	.	.
27JUN77	19.3	21.0	24.0	11.0	19.5	.	.	.	.	7.8	.	.
04JUL77	.	.	.	.	19.0	6.6	18.3	.	12.5	.	.	4.1
11JUL77	.	.	6.3	6.9	15.0	.	11.9	.	.	5.4	9.3	.
25JUL77	13.0	25.7	15.0	15.0	16.0	.	18.5	.	.	.	.	.
08AUG77	.	8.0	11.0	8.0	.	.	7.0	.	.	.	.	.
15AUG77	.	17.0	.	8.0	.	.	.	.	.	.	.	.
29AUG77	.	.	19.0	14.0	130	.	.	.	.	.	.	.
12SEP77	.	23.0	15.0	.	5.4	.	4.3	.	.	.	.	.

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1977, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
26SEP77	.	17.0	10.0	.	.	.	.	.	.	.	.	.
10OCT77	.	.	18.7	.	.	17.0	18.0	.	.	.	.	.
24OCT77	.	.	.	.	.	.	76.0	.	.	.	.	.
07NOV77	.	.	18.0	.	.	.	.	.	.	.	.	.
14NOV77	26.0	.	.	.	.	.	.	.	.	.	.	.
21NOV77	.	25.0	.	.	.	.	.	.	.	.	.	.
05DEC77	.	.	30.0	18.0	.	.	.	.	.	.	.	.

APPENDIX TABLE 1

WEIGHTED MEAN TURBIDITY (FTU_S) BY REGION AND WEEK
HUDSON RIVER ESTUARY, 1978, (ASSOCIATED WITH THE
LONG RIVER ICHTHYOPLANKTON AND FALL SHOALS SURVEY)

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
27MAR78	.	20.0	.	23.5	53.0	44.0	.	.	.	.	.	.
17APR78	.	.	14.0	20.0	21.7	.	14.0	.	.	.	.	4.7
24APR78	.	.	.	40.0	19.9	.	.	14.0	18.0	.	.	.
01MAY78	17.0	.	.	24.0	21.8	16.0	.	.	8.0	.	.	.
08MAY78	.	17.5	16.0	11.0	9.0	.	.	.	.	.	6.0	.
15MAY78	.	.	.	9.6	8.5	.	5.0	.	7.0	.	.	.
22MAY78	.	.	11.0	13.0	9.5	.	.	11.0	10.0	17.5	18.5	7.0
29MAY78	.	.	.	11.1	7.0	7.0	10.3	6.0	.	.	.	.
05JUN78	.	18.0	.	7.0	.	.	10.3	.	5.0	.	.	.
12JUN78	.	.	.	9.0	12.3	.	10.0	.	.	.	.	.
19JUN78	.	.	.	.	10.0	25.0	6.0	.	.	.	.	.
26JUN78	.	11.5	.	9.5	13.0	.	.	16.0	.	.	.	7.0
03JUL78	.	3.0	.	.	7.7	10.0	4.0	7.0	8.5	.	.	.
17JUL78	.	.	.	6.2	.	.	3.5	6.0	.	13.0	.	10.0
31JUL78	.	6.0	.	6.5	8.5	.	8.0	.	10.0	.	.	11.0
14AUG78	.	.	6.0	5.3	17.0	.	4.0	.	.	.	3.0	.
04SEP78	18.0	.	3.0	.	.	5.0	5.0	.	.	.	.	.
18SEP78	.	.	9.0	7.0	7.5	.	.	.	.	.	.	.
30OCT78	.	9.0	13.2	8.0	8.0	.	.	.	.	.	.	.
27NOV78	.	.	10.0	.	.	.	9.0	.	.	.	.	.

APPENDIX G

ANOVA RESULTS: SPECIAL STUDIES TO EVALUATE JUVENILES IN PREVIOUSLY UNSAMPLED AREAS (1986 and 1987)

1986 Fall Shoals Special Study
28 August - 1 October

1987 Fall Shoals Special Study
Kingston and Saugerties regions, 15-18 September

KEY CODE TO GEAR AND STRATA

GEAR

75 2-m beam trawl

STRATA

2 previously sampled bottom, river depth >20 ft

6 previously sampled shore zone, 5< river depth <10 ft

7 previously unsampled shore zone, 5< river depth <10 ft

8 previously unsampled shoal, 10≤ river depth ≤20 ft

REGION

3 Croton-Haverstraw

5 West Point

9 Kingston

11 Catskill

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CROTON-HAVERSTRAW TAXON=BAY ANCHOVY LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.00429595	0.00429595	0.05	0.8235
Error	13	1.07841194	0.08295476		
Corrected Total	14	1.08270789			

R-Square	C.V.	Root MSE	CPUE Mean
0.003968	273.6019	0.28801869	0.10526925

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.00429595	0.00429595	0.05	0.8235

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.00429595	0.00429595	0.05	0.8235

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CROTON-HAVERSTRAW TAXON=STRIPED BASS LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.44216057	0.44216057	2.33	0.1506
Error	13	2.46367433	0.18951341		
Corrected Total	14	2.90583490			

R-Square	C.V.	Root MSE	CPUE Mean
0.152163	124.5439	0.43533138	0.34954048

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.44216057	0.44216057	2.33	0.1506

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.44216057	0.44216057	2.33	0.1506

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CROTON-HAVERSTRAW TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.00730450	0.00730450	0.06	0.8069
Error	13	1.52639684	0.11741514		
Corrected Total	14	1.53370134			

R-Square	C.V.	Root MSE	CPUE Mean
0.004763	214.3298	0.34265893	0.15987458

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.00730450	0.00730450	0.06	0.8069

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.00730450	0.00730450	0.06	0.8069

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CROTON-HAVERSTRAW TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.02898826	0.02898826	0.65	0.4346
Error	13	0.57976529	0.04459733		
Corrected Total	14	0.60875355			

R-Square	C.V.	Root MSE	CPUE Mean
0.047619	392.2323	0.21118080	0.05384075

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.02898826	0.02898826	0.65	0.4346

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.02898826	0.02898826	0.65	0.4346

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CROTON-HAVERSTRAW TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.10590433	0.10590433	0.99	0.3390
Error	13	1.39711118	0.10747009		
Corrected Total	14	1.50301551			

R-Square	C.V.	Root MSE	CPUE Mean
0.070461	207.1779	0.32782631	0.15823418

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.10590433	0.10590433	0.99	0.3390

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.10590433	0.10590433	0.99	0.3390

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.34181662	2.34181662	0.67	0.4456
Error	6	21.09686777	3.51614463		
Corrected Total	7	23.43868439			

R-Square	C.V.	Root MSE	CPUE Mean
0.099912	69.96578	1.87513856	2.68007968

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	2.34181662	2.34181662	0.67	0.4456

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	2.34181662	2.34181662	0.67	0.4456

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.72122641	0.72122641	0.26	0.6258
Error	6	16.39202413	2.73200402		
Corrected Total	7	17.11325054			

R-Square	C.V.	Root MSE	CPUE Mean
0.042144	80.33284	1.65287750	2.05753637

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.72122641	0.72122641	0.26	0.6258

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.72122641	0.72122641	0.26	0.6258

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.04388618	0.04388618	0.03	0.8771
Error	6	10.11466939	1.68577823		
Corrected Total	7	10.15855558			

R-Square	C.V.	Root MSE	CPUE Mean
0.004320	78.03918	1.29837523	1.66374783

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.04388618	0.04388618	0.03	0.8771

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.04388618	0.04388618	0.03	0.8771

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=AMERICAN SHAD LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.02554969	0.02554969	0.06	0.8179
Error	13	6.01679138	0.46283011		
Corrected Total	14	6.04234107			

R-Square	C.V.	Root MSE	CPUE Mean
0.004228	130.3045	0.68031618	0.52209712

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.02554969	0.02554969	0.06	0.8179

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.02554969	0.02554969	0.06	0.8179

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	4.29846107	4.29846107	4.17	0.0618
Error	13	13.38477030	1.02959772		
Corrected Total	14	17.68323137			

R-Square	C.V.	Root MSE	CPUE Mean
0.243081	111.8999	1.01469095	0.90678482

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	4.29846107	4.29846107	4.17	0.0618

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	4.29846107	4.29846107	4.17	0.0618

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	19.48638851	19.48638851	8.13	0.0136
Error	13	31.16216594	2.39708969		
Corrected Total	14	50.64855445			

R-Square	C.V.	Root MSE	CPUE Mean
0.384737	81.30494	1.54825375	1.90425534

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	19.48638851	19.48638851	8.13	0.0136

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	19.48638851	19.48638851	8.13	0.0136

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 6,7 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	3.65910464	3.65910464	4.80	0.0473
Error	13	9.91208826	0.76246833		
Corrected Total	14	13.57119290			

R-Square	C.V.	Root MSE	CPUE Mean
0.269623	62.43505	0.87319432	1.39856437

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	3.65910464	3.65910464	4.80	0.0473

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	3.65910464	3.65910464	4.80	0.0473

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=ATLANTIC TOMCOD LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.45516447	0.45516447	0.22	0.6411
Error	18	36.45092288	2.02505127		
Corrected Total	19	36.90608735			

R-Square	C.V.	Root MSE	CPUE Mean
0.012333	80.53709	1.42304296	1.76694102

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.45516447	0.45516447	0.22	0.6411

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.45516447	0.45516447	0.22	0.6411

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=BAY ANCHOVY LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.38033035	2.38033035	4.20	0.0553
Error	18	10.20554235	0.56697458		
Corrected Total	19	12.58587270			

R-Square	C.V.	Root MSE	CPUE Mean
0.189127	97.46136	0.75297714	0.77259045

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	2.38033035	2.38033035	4.20	0.0553

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	2.38033035	2.38033035	4.20	0.0553

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=BAY ANCHOVY LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	9.08859190	9.08859190	30.76	0.0001
Error	18	5.31828537	0.29546030		
Corrected Total	19	14.40687727			

R-Square	C.V.	Root MSE	CPUE Mean
0.630851	67.98849	0.54356260	0.79949205

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	9.08859190	9.08859190	30.76	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	9.08859190	9.08859190	30.76	0.0001

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=STRIPED BASS LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1.30274761	1.30274761	3.96	0.0620
Error	18	5.92300056	0.32905559		
Corrected Total	19	7.22574817			

R-Square	C.V.	Root MSE	CPUE Mean
0.180292	179.3504	0.57363367	0.31983972

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	1.30274761	1.30274761	3.96	0.0620

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	1.30274761	1.30274761	3.96	0.0620

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,1T...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=STRIPED BASS LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.02355833	0.02355833	1.00	0.3306
Error	18	0.42405000	0.02355833		
Corrected Total	19	0.44760834			

R-Square	C.V.	Root MSE	CPUE Mean
0.052632	447.2136	0.15348724	0.03432079

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.02355833	0.02355833	1.00	0.3306

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.02355833	0.02355833	1.00	0.3306

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	18.78526313	18.78526313	12.10	0.0027
Error	18	27.94378992	1.55243277		
Corrected Total	19	46.72905305			

R-Square	C.V.	Root MSE	CPUE Mean
0.402004	85.99324	1.24596660	1.44891228

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	18.78526313	18.78526313	12.10	0.0027

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	18.78526313	18.78526313	12.10	0.0027

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	8.81769653	8.81769653	4.59	0.0460
Error	18	34.54670207	1.91926123		
Corrected Total	19	43.36439859			

R-Square	C.V.	Root MSE	CPUE Mean
0.203340	144.7786	1.38537404	0.95689164

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	8.81769653	8.81769653	4.59	0.0460

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	8.81769653	8.81769653	4.59	0.0460

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=WEST POINT TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	14.74353798	14.74353798	6.99	0.0165
Error	18	37.95307623	2.10850423		
Corrected Total	19	52.69661420			

R-Square	C.V.	Root MSE	CPUE Mean
0.279782	95.40082	1.45206895	1.52207181

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	14.74353798	14.74353798	6.99	0.0165

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	14.74353798	14.74353798	6.99	0.0165

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.62862603	0.62862603	0.60	0.4504
Error	18	19.00921387	1.05606744		
Corrected Total	19	19.63783990			

R-Square	C.V.	Root MSE	CPUE Mean
0.032011	68.61772	1.02765142	1.49764734

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.62862603	0.62862603	0.60	0.4504

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.62862603	0.62862603	0.60	0.4504

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	7.70138932	7.70138932	8.58	0.0090
Error	18	16.16058498	0.89781028		
Corrected Total	19	23.86197430			

R-Square	C.V.	Root MSE	CPUE Mean
0.322747	43.61232	0.94752851	2.17261662

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	7.70138932	7.70138932	8.58	0.0090

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	7.70138932	7.70138932	8.58	0.0090

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	6.56554150	6.56554150	11.52	0.0032
Error	18	10.25484562	0.56971365		
Corrected Total	19	16.82038712			

R-Square	C.V.	Root MSE	CPUE Mean
0.390332	21.24785	0.75479378	3.55232935

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	6.56554150	6.56554150	11.52	0.0032

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	6.56554150	6.56554150	11.52	0.0032

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=AMERICAN SHAD LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.00860530	2.00860530	4.20	0.0483
Error	34	16.27024107	0.47853650		
Corrected Total	35	18.27884637			

R-Square	C.V.	Root MSE	CPUE Mean
0.109887	114.4533	0.69176333	0.60440689

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	2.00860530	2.00860530	4.20	0.0483

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	2.00860530	2.00860530	4.20	0.0483

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.75806841	0.75806841	1.88	0.1790
Error	34	13.69204310	0.40270715		
Corrected Total	35	14.45011151			

R-Square	C.V.	Root MSE	CPUE Mean
0.052461	267.3393	0.63459211	0.23737330

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.75806841	0.75806841	1.88	0.1790

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.75806841	0.75806841	1.88	0.1790

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1.54304620	1.54304620	0.97	0.3326
Error	34	54.30494892	1.59720438		
Corrected Total	35	55.84799513			

R-Square	C.V.	Root MSE	CPUE Mean
0.027629	104.9780	1.26380552	1.20387629

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	1.54304620	1.54304620	0.97	0.3326

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	1.54304620	1.54304620	0.97	0.3326

1986 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=CATSKILL TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.55366304	2.55366304	2.26	0.1423
Error	34	38.48756106	1.13198709		
Corrected Total	35	41.04122410			

R-Square	C.V.	Root MSE	CPUE Mean
0.062222	53.26741	1.06394882	1.99737279

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	2.55366304	2.55366304	2.26	0.1423

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	2.55366304	2.55366304	2.26	0.1423

1987 FALLS SHOALS SPECIAL STUDY
PROGRAM: FSGLMSP5.SAS

---------- TAXON=AMERICAN SHAD ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.73772303	0.73772303	2.69	0.1059
Error	65	17.83800077	0.27443078		
Corrected Total	66	18.57572380			

R-Square	C.V.	Root MSE	CPUE Mean
0.039714	183.0886	0.52386141	0.28612460

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.73772303	0.73772303	2.69	0.1059

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.73772303	0.73772303	2.69	0.1059

1987 FALLS SHOALS SPECIAL STUDY
PROGRAM: FSGLMSP5.SAS

---------- TAXON=BAY ANCHOVY ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.23672278	0.23672278	0.25	0.6156
Error	65	60.44553689	0.92993134		
Corrected Total	66	60.68225967			

R-Square	C.V.	Root MSE	CPUE Mean
0.003901	125.9075	0.96432948	0.76590325

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	0.23672278	0.23672278	0.25	0.6156

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	0.23672278	0.23672278	0.25	0.6156

1987 FALLS SHOALS SPECIAL STUDY
PROGRAM: FSGLMSP5.SAS

---------- TAXON=STRIPED BASS ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	4.90695200	4.90695200	4.91	0.0302
Error	65	64.97541984	0.99962184		
Corrected Total	66	69.88237184			

R-Square	C.V.	Root MSE	CPUE Mean
0.070217	105.7025	0.99981090	0.94587272

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	4.90695200	4.90695200	4.91	0.0302

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	4.90695200	4.90695200	4.91	0.0302

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 65 MSE= 0.999622
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 33.49254

Number of Means 2
Critical Range 0.4879391

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	STRATA
A	1.212	34	8
B	0.671	33	2

1987 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	10.32657621	10.32657621	8.65	0.0047
Error	58	69.26544873	1.19423187		
Corrected Total	59	79.59202495			

R-Square	C.V.	Root MSE	CPUE Mean
0.129744	60.93627	1.09280917	1.79336404

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	10.32657621	10.32657621	8.65	0.0047

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	10.32657621	10.32657621	8.65	0.0047

1987 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YOUNG-OF-YEAR ----------

General Linear Models Procedure

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 58 MSE= 1.194232
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 29.7

Number of Means 2
Critical Range 0.5676531

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	STRATA
A	2.252	27	8
B	1.418	33	2

1987 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=YEARLING ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	10.94009026	10.94009026	6.36	0.0144
Error	58	99.72666230	1.71942521		
Corrected Total	59	110.66675256			

R-Square	C.V.	Root MSE	CPUE Mean
0.098856	64.01492	1.31126855	2.04837955

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	10.94009026	10.94009026	6.36	0.0144

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	10.94009026	10.94009026	6.36	0.0144

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 58 MSE= 1.719425
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 29.7

Number of Means 2
Critical Range 0.6811305

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	STRATA
A	2.520	27	8
B	1.662	33	2

1987 FALL SHOAL SPECIAL STUDY (MANOVA BY REGION,TAXON,LIFE_STG)
(SELECT BEAM TRAWL GEAR 75 & STRATA 2,8 ON REGION 3,5,9,11...)
PROGRAM: FSGLMSP7.SAS

---------- REGION=KINGSTON TAXON=WHITE PERCH LIFE_STG=OLDER ----------

General Linear Models Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.39529738	2.39529738	1.84	0.1804
Error	58	75.56635021	1.30286811		
Corrected Total	59	77.96164758			

R-Square	C.V.	Root MSE	CPUE Mean
0.030724	38.32628	1.14143248	2.97819804

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATA	1	2.39529738	2.39529738	1.84	0.1804

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATA	1	2.39529738	2.39529738	1.84	0.1804

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 58 MSE= 1.302868
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 29.7

Number of Means 2
Critical Range 0.5929102

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	STRATA
A	3.199	27	8
A			
A	2.797	33	2

APPENDIX H

ICHTHYOPLANKTON MEAN CPUE:

ALL SPECIES AND LIFE STAGES BY GEAR AND STRATUM

COLLECTED IN THE 1987 SPECIAL STUDIES

American shad study
Catskill region, 11-29 May

Bay Anchovy study
Poughkeepsie region, 8-26 June

Morone study
Tappan Zee region, 8-26 June

KEY CODE TO GEAR AND STRATA

GEAR

64 1-m^2 net mounted on an epibenthic sled

65 1-m^2 tucker trawl

76 1-m^2 pushnet

STRATA

1 previously sampled shoal, 10$\leq$ river depth $\leq$20 ft

2 previously sampled bottom, river depth >20 ft

5 previously unsampled beach, 1$\leq$ river depth $\leq$5 ft

6 previously sampled shore zone, 5< river depth <10 ft

7 previously unsampled shore zone, 5< river depth <10 ft

8 previously unsampled shoal, 10$\leq$ river depth $\leq$20 ft

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

---------- STRATA=2 GEAR=64 ----------

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
1	ALEWIFE	0.00	0.00	0.00	40	0
2	BAY ANCHOVY	9.13	0.00	0.00	40	0
3	AMERICAN SHAD	828.14	35.92	62.80	40	0
4	BROWN BULLHEAD	0.00	0.00	0.00	40	0
5	AMERICAN EEL	0.00	0.00	0.00	40	0
6	HOGCHOKER	0.00	0.00	0.00	40	0
7	TESSELATED DARTER	0.00	37.02	0.87	40	0
8	BLUEBACK HERRING	0.00	0.00	0.00	40	0
9	WHITE SUCKER	0.00	0.00	0.00	40	0
10	RAINBOW SMELT	0.00	0.00	25.15	40	0
11	SPOTTAIL SHINER	0.00	0.00	0.00	40	0
12	STRIPED BASS	4.61	0.23	0.61	40	0
13	FOURSPINE STICKLEBACK	0.00	0.00	0.00	40	0
14	ATLANTIC TOMCOD	0.00	0.00	0.00	40	0
15	WHITE CATFISH	0.00	0.00	0.00	40	0
16	WHITE PERCH	2670.74	61.81	308.18	40	0
17	YELLOW PERCH	0.00	1.34	1.26	40	0
18	ALOSA SP.	11940.82	105.61	1079.76	40	0
19	CYPRINIDAE UNIDENTIFIED	0.45	25.50	0.23	40	0
20	MORONE SP.	0.00	0.00	0.00	40	0
21	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.15	40	0
22	UNIDENTIFIABLE	0.25	0.16	11.88	40	0
23	PERCIDAE UNIDENTIFIED	0.00	0.00	0.00	40	0
24	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.00	0.00	40	0

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

---------- STRATA=5 GEAR=76 ----------

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
25	ALEWIFE	0.00	0.00	0.00	50	0
26	BAY ANCHOVY	0.00	0.00	0.00	50	0
27	AMERICAN SHAD	36.59	28.00	201.07	50	0
28	BROWN BULLHEAD	0.00	0.00	0.00	50	0
29	AMERICAN EEL	0.00	0.00	0.00	50	0
30	HOGCHOKER	0.00	0.00	0.00	50	0
31	TESSELATED DARTER	0.00	531.08	56.81	50	0
32	BLUEBACK HERRING	0.00	0.00	0.00	50	0
33	WHITE SUCKER	0.00	0.00	0.07	50	0
34	RAINBOW SMELT	0.00	0.00	34.65	50	0
35	SPOTTAIL SHINER	0.00	0.00	0.00	50	0
36	STRIPED BASS	0.35	0.74	0.62	50	0
37	FOURSPINE STICKLEBACK	0.00	0.00	0.00	50	0
38	ATLANTIC TOMCOD	0.00	0.00	0.00	50	0
39	WHITE CATFISH	0.00	0.00	0.00	50	0
40	WHITE PERCH	80.57	88.84	325.94	50	0
41	YELLOW PERCH	0.00	3.01	2.45	50	0
42	ALOSA SP.	48.53	377.40	3357.24	50	0
43	CYPRINIDAE UNIDENTIFIED	0.00	34.02	7.20	50	0
44	MORONE SP.	0.00	0.00	0.00	50	0
45	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.27	50	0
46	UNIDENTIFIABLE	0.00	0.00	15.43	50	0
47	PERCIDAE UNIDENTIFIED	0.00	0.00	0.00	50	0
48	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.00	0.00	50	0

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=7 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
49	ALEWIFE	0.00	0.00	0.00	25	0
50	BAY ANCHOVY	0.00	0.00	0.00	25	0
51	AMERICAN SHAD	45.79	41.48	113.62	25	0
52	BROWN BULLHEAD	0.00	0.00	0.00	25	0
53	AMERICAN EEL	0.00	0.00	0.00	25	0
54	HOGCHOKER	0.00	0.00	0.00	25	0
55	TESSELATED DARTER	0.00	242.77	10.85	25	0
56	BLUEBACK HERRING	0.00	0.00	0.00	25	0
57	WHITE SUCKER	0.00	0.00	0.00	25	0
58	RAINBOW SMELT	0.00	0.00	24.39	25	0
59	SPOTTAIL SHINER	0.00	0.00	0.00	25	0
60	STRIPED BASS	2.03	0.45	0.45	25	0
61	FOURSPINE STICKLEBACK	0.00	0.00	0.00	25	0
62	ATLANTIC TOMCOD	0.00	0.00	0.00	25	0
63	WHITE CATFISH	0.00	0.00	0.00	25	0
64	WHITE PERCH	167.55	35.81	155.55	25	0
65	YELLOW PERCH	0.00	1.16	1.30	25	0
66	ALOSA SP.	847.91	270.34	1140.23	25	0
67	CYPRINIDAE UNIDENTIFIED	0.00	34.72	2.32	25	0
68	MORONE SP.	0.00	0.00	0.00	25	0
69	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.34	25	0
70	UNIDENTIFIABLE	0.00	0.00	0.84	25	0
71	PERCIDAE UNIDENTIFIED	0.00	0.23	0.00	25	0
72	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.00	0.00	25	0

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

---------- STRATA=7 GEAR=76 ----------

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
73	ALEWIFE	0.00	0.00	0.00	25	0
74	BAY ANCHOVY	0.00	0.00	0.00	25	0
75	AMERICAN SHAD	24.47	21.98	249.56	25	0
76	BROWN BULLHEAD	0.00	0.00	0.00	25	0
77	AMERICAN EEL	0.00	0.00	0.00	25	0
78	HOGCHOKER	0.00	0.00	0.00	25	0
79	TESSELATED DARTER	0.00	535.83	39.10	25	0
80	BLUEBACK HERRING	0.00	0.00	0.00	25	0
81	WHITE SUCKER	0.00	0.00	0.16	25	0
82	RAINBOW SMELT	0.00	0.00	19.63	25	0
83	SPOTTAIL SHINER	0.00	0.00	0.00	25	0
84	STRIPED BASS	0.69	0.16	0.13	25	0
85	FOURSPINE STICKLEBACK	0.00	0.00	0.00	25	0
86	ATLANTIC TOMCOD	0.00	0.00	0.00	25	0
87	WHITE CATFISH	0.00	0.00	0.00	25	0
88	WHITE PERCH	89.38	107.68	435.46	25	0
89	YELLOW PERCH	0.00	2.08	2.13	25	0
90	ALOSA SP.	222.30	679.39	3848.80	25	0
91	CYPRINIDAE UNIDENTIFIED	0.00	67.66	10.91	25	0
92	MORONE SP.	0.00	0.00	0.00	25	0
93	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.26	25	0
94	UNIDENTIFIABLE	0.00	0.00	9.09	25	0
95	PERCIDAE UNIDENTIFIED	0.00	0.00	0.00	25	0
96	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.00	0.00	25	0

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

---------- STRATA=8 GEAR=64 ----------

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
97	ALEWIFE	0.00	0.00	0.00	33	0
98	BAY ANCHOVY	0.00	0.00	0.00	33	0
99	AMERICAN SHAD	167.98	51.64	57.93	33	0
100	BROWN BULLHEAD	0.00	0.00	0.00	33	0
101	AMERICAN EEL	0.00	0.00	0.00	33	0
102	HOGCHOKER	0.00	0.00	0.00	33	0
103	TESSELATED DARTER	0.00	111.85	26.67	33	0
104	BLUEBACK HERRING	0.00	0.00	0.00	33	0
105	WHITE SUCKER	0.00	0.00	0.00	33	0
106	RAINBOW SMELT	0.00	0.00	10.66	33	0
107	SPOTTAIL SHINER	0.00	0.00	0.00	33	0
108	STRIPED BASS	5.42	1.38	0.16	33	0
109	FOURSPINE STICKLEBACK	0.00	0.00	0.00	33	0
110	ATLANTIC TOMCOD	0.00	0.00	0.00	33	0
111	WHITE CATFISH	0.00	0.00	0.00	33	0
112	WHITE PERCH	852.28	72.48	175.40	33	0
113	YELLOW PERCH	0.00	1.67	1.57	33	0
114	ALOSA SP.	1450.70	410.08	889.27	33	0
115	CYPRINIDAE UNIDENTIFIED	0.00	21.98	0.34	33	0
116	MORONE SP.	0.00	0.00	0.00	33	0
117	CENTRARCHIDAE UNIDENTIFIED	0.00	0.08	0.35	33	0
118	UNIDENTIFIABLE	0.00	0.09	0.00	33	0
119	PERCIDAE UNIDENTIFIED	0.00	0.00	0.00	33	0
120	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.08	0.00	33	0

1987 AM.SHAD ICHTHYOPLANKTON SPECIAL STUDIES (SS87SHAD)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=8 GEAR=65

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
121	ALEWIFE	0.00	0.00	0.00	67	0
122	BAY ANCHOVY	0.00	0.00	0.00	67	0
123	AMERICAN SHAD	186.99	48.66	54.90	67	0
124	BROWN BULLHEAD	0.00	0.00	0.00	67	0
125	AMERICAN EEL	0.00	0.00	0.00	67	0
126	HOGCHOKER	0.00	0.00	0.00	67	0
127	TESSELATED DARTER	0.00	125.74	12.08	67	0
128	BLUEBACK HERRING	0.00	0.00	0.00	67	0
129	WHITE SUCKER	0.00	0.00	0.00	67	0
130	RAINBOW SMELT	0.00	0.00	15.21	67	0
131	SPOTTAIL SHINER	0.00	0.00	0.00	67	0
132	STRIPED BASS	11.83	21.07	8.49	67	0
133	FOURSPINE STICKLEBACK	0.00	0.00	0.00	67	0
134	ATLANTIC TOMCOD	0.00	0.00	0.00	67	0
135	WHITE CATFISH	0.00	0.00	0.00	67	0
136	WHITE PERCH	435.03	107.15	439.54	67	0
137	YELLOW PERCH	0.00	1.77	1.76	67	0
138	ALOSA SP.	442.61	216.64	2253.27	67	0
139	CYPRINIDAE UNIDENTIFIED	0.09	19.03	1.03	67	0
140	MORONE SP.	0.00	0.00	0.00	67	0
141	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.37	67	0
142	UNIDENTIFIABLE	0.04	0.05	0.29	67	0
143	PERCIDAE UNIDENTIFIED	0.00	0.00	0.00	67	0
144	GASTEROSTEIDAE UNIDENTIFIED	0.00	0.00	0.00	67	0

1987 BAY ANCHOVY ICHTHYOPLANKTON SPECIAL STUDIES (SS87ANCH)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=1 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
1	ALEWIFE	0.00	0.00	0.00	16	0
2	BAY ANCHOVY	2533.87	0.20	1087.52	16	0
3	BLUEFISH	0.00	0.00	0.00	16	0
4	AMERICAN EEL	0.00	0.00	0.00	16	0
5	HOGCHOKER	54.78	0.00	0.00	16	0
6	ATLANTIC MENHADEN	0.00	0.00	0.00	16	0
7	ATLANTIC SILVERSIDE	0.00	0.00	0.00	16	0
8	RAINBOW SMELT	0.00	0.00	1.58	16	0
9	STRIPED BASS	0.00	0.00	142.45	16	0
10	ATLANTIC TOMCOD	0.00	0.00	0.00	16	0
11	WHITE PERCH	0.00	0.00	0.59	16	0
12	NORTHERN PIPEFISH	0.00	0.00	0.00	16	0
13	ALOSA SP.	0.00	0.00	0.00	16	0
14	CYPRINIDAE UNIDENTIFIED	0.00	0.00	0.00	16	0
15	WINTER FLOUNDER	0.00	0.00	0.19	16	0
16	LONGEAR SUNFISH	0.00	0.00	0.00	16	0
17	SUMMER FLOUNDER	0.00	0.00	0.00	16	0
18	WINDOWPANE	0.00	0.00	0.38	16	0
19	GOBIIDAE-GOBIES	0.00	0.00	13.98	16	0
20	ATHERINIDAE SP.	0.00	0.00	4.77	16	0
21	BOTHIDAE UNIDENTIFIED	0.00	0.00	0.00	16	0
22	SCIAENIDAE	0.00	0.00	0.00	16	0

STRATA=1 GEAR=65

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
23	ALEWIFE	0.00	0.00	0.00	16	0
24	BAY ANCHOVY	8290.25	5.10	1770.51	16	0
25	BLUEFISH	0.00	0.00	0.00	16	0
26	AMERICAN EEL	0.00	0.00	0.00	16	0
27	HOGCHOKER	20.15	2.68	0.00	16	0
28	ATLANTIC MENHADEN	0.00	0.00	0.00	16	0
29	ATLANTIC SILVERSIDE	0.00	0.00	0.00	16	0
30	RAINBOW SMELT	0.00	0.00	0.22	16	0
31	STRIPED BASS	0.00	0.00	15.50	16	0
32	ATLANTIC TOMCOD	0.00	0.00	0.00	16	0
33	WHITE PERCH	0.00	0.00	0.00	16	0
34	NORTHERN PIPEFISH	0.00	0.00	0.00	16	0
35	ALOSA SP.	0.00	0.00	0.00	16	0
36	CYPRINIDAE UNIDENTIFIED	0.00	0.00	0.00	16	0
37	WINTER FLOUNDER	0.00	0.00	0.00	16	0
38	LONGEAR SUNFISH	0.00	0.00	0.00	16	0
39	SUMMER FLOUNDER	0.00	0.00	0.00	16	0
40	WINDOWPANE	0.00	0.00	0.00	16	0
41	GOBIIDAE-GOBIES	0.00	0.00	6.59	16	0
42	ATHERINIDAE SP.	0.00	0.63	8.11	16	0
43	BOTHIDAE UNIDENTIFIED	0.00	0.00	0.00	16	0
44	SCIAENIDAE	0.00	0.00	0.00	16	0

1987 BAY ANCHOVY ICHTHYOPLANKTON SPECIAL STUDIES (SS87ANCH)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=5 GEAR=76

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
45	ALEWIFE	0.00	0.00	0.00	15	0
46	BAY ANCHOVY	560.88	0.21	940.15	15	0
47	BLUEFISH	0.00	0.00	0.00	15	0
48	AMERICAN EEL	0.00	0.00	0.00	15	0
49	HOGCHOKER	1.62	0.20	2.89	15	0
50	ATLANTIC MENHADEN	0.00	0.00	0.00	15	0
51	ATLANTIC SILVERSIDE	0.00	0.00	0.00	15	0
52	RAINBOW SMELT	0.00	0.00	0.00	15	0
53	STRIPED BASS	0.00	0.00	5.81	15	0
54	ATLANTIC TOMCOD	0.00	0.00	0.00	15	0
55	WHITE PERCH	0.00	0.00	0.00	15	0
56	NORTHERN PIPEFISH	0.00	0.00	0.00	15	0
57	ALOSA SP.	0.00	0.00	0.00	15	0
58	CYPRINIDAE UNIDENTIFIED	0.00	0.00	0.21	15	0
59	WINTER FLOUNDER	0.00	0.00	0.00	15	0
60	LONGEAR SUNFISH	0.00	0.00	0.00	15	0
61	SUMMER FLOUNDER	0.00	0.00	0.00	15	0
62	WINDOWPANE	0.00	0.00	0.00	15	0
63	GOBIIDAE-GOBIES	0.00	0.00	7.18	15	0
64	ATHERINIDAE SP.	0.00	0.65	7.75	15	0
65	BOTHIDAE UNIDENTIFIED	0.00	0.00	0.00	15	0
66	SCIAENIDAE	0.00	0.00	0.00	15	0

STRATA=7 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
67	ALEWIFE	0.00	0.00	0.00	8	0
68	BAY ANCHOVY	420.24	0.36	473.98	8	0
69	BLUEFISH	0.00	0.00	0.00	8	0
70	AMERICAN EEL	0.00	0.00	0.00	8	0
71	HOGCHOKER	0.00	0.00	1.08	8	0
72	ATLANTIC MENHADEN	0.00	0.00	0.00	8	0
73	ATLANTIC SILVERSIDE	0.00	0.00	0.00	8	0
74	RAINBOW SMELT	0.00	0.00	0.70	8	0
75	STRIPED BASS	0.00	0.00	126.42	8	0
76	ATLANTIC TOMCOD	0.00	0.00	0.00	8	0
77	WHITE PERCH	0.00	0.00	0.00	8	0
78	NORTHERN PIPEFISH	0.00	0.00	0.00	8	0
79	ALOSA SP.	0.00	0.00	0.34	8	0
80	CYPRINIDAE UNIDENTIFIED	0.00	0.00	0.00	8	0
81	WINTER FLOUNDER	0.00	0.00	0.00	8	0
82	LONGEAR SUNFISH	0.00	0.00	0.00	8	0
83	SUMMER FLOUNDER	0.00	0.00	0.00	8	0
84	WINDOWPANE	0.00	0.00	0.00	8	0
85	GOBIIDAE-GOBIES	0.00	0.00	4.27	8	0
86	ATHERINIDAE SP.	0.00	0.36	2.92	8	0
87	BOTHIDAE UNIDENTIFIED	0.00	0.00	0.00	8	0
88	SCIAENIDAE	0.00	0.00	0.00	8	0

1987 BAY ANCHOVY ICHTHYOPLANKTON SPECIAL STUDIES (SS87ANCH)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=7 GEAR=76

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
89	ALEWIFE	0.00	0.00	0.00	9	0
90	BAY ANCHOVY	390.95	7.37	818.85	9	0
91	BLUEFISH	0.00	0.00	0.00	9	0
92	AMERICAN EEL	0.00	0.00	0.00	9	0
93	HOGCHOKER	0.00	0.72	3.20	9	0
94	ATLANTIC MENHADEN	0.00	0.00	0.00	9	0
95	ATLANTIC SILVERSIDE	0.00	0.00	0.00	9	0
96	RAINBOW SMELT	0.00	0.00	0.00	9	0
97	STRIPED BASS	0.00	0.00	3.82	9	0
98	ATLANTIC TOMCOD	0.00	0.00	0.00	9	0
99	WHITE PERCH	0.00	0.00	0.00	9	0
100	NORTHERN PIPEFISH	0.00	0.00	0.00	9	0
101	ALOSA SP.	0.00	0.00	0.00	9	0
102	CYPRINIDAE UNIDENTIFIED	0.00	0.00	0.00	9	0
103	WINTER FLOUNDER	0.00	0.00	0.00	9	0
104	LONGEAR SUNFISH	0.00	0.00	0.00	9	0
105	SUMMER FLOUNDER	0.00	0.00	0.00	9	0
106	WINDOWPANE	0.00	0.00	0.00	9	0
107	GOBIIDAE-GOBIES	0.00	0.00	9.00	9	0
108	ATHERINIDAE SP.	0.00	0.35	10.76	9	0
109	BOTHIDAE UNIDENTIFIED	0.00	0.34	0.00	9	0
110	SCIAENIDAE	0.00	0.00	0.00	9	0

1987 MORONE ICHTHYOPLANKTON SPECIAL STUDIES (SS87MORO)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=2 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
1	ALEWIFE	0.00	0.00	0.00	10	0
2	BAY ANCHOVY	0.00	0.00	0.00	10	0
3	AMERICAN SHAD	0.00	0.00	0.27	10	0
4	BROWN BULLHEAD	0.00	0.00	0.00	10	0
5	AMERICAN EEL	0.00	0.00	0.00	10	0
6	HOGCHOKER	0.00	0.00	0.00	10	0
7	TESSELATED DARTER	0.00	0.00	0.84	10	0
8	ATLANTIC MENHADEN	0.00	0.00	0.27	10	0
9	BLUEBACK HERRING	0.00	0.00	0.00	10	0
10	RAINBOW SMELT	0.00	0.00	8.43	10	0
11	SPOTTAIL SHINER	0.00	0.00	0.00	10	0
12	STRIPED BASS	8.97	2.88	409.97	10	0
13	ATLANTIC TOMCOD	0.00	0.00	0.00	10	0
14	WHITE PERCH	254.13	1.95	911.78	10	0
15	ALOSA SP.	0.00	0.28	210.92	10	0
16	CYPRINIDAE UNIDENTIFIED	0.00	0.58	0.00	10	0
17	MORONE SP.	0.00	0.00	134.59	10	0
18	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.30	10	0
19	UNIDENTIFIABLE	0.00	0.00	17.55	10	0

STRATA=5 GEAR=76

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
20	ALEWIFE	0.00	0.00	0.00	18	0
21	BAY ANCHOVY	0.00	0.00	0.00	18	0
22	AMERICAN SHAD	0.00	0.00	1.43	18	0
23	BROWN BULLHEAD	0.00	0.00	0.00	18	0
24	AMERICAN EEL	0.00	0.00	0.00	18	0
25	HOGCHOKER	0.00	0.00	0.00	18	0
26	TESSELATED DARTER	0.00	4.15	1.02	18	0
27	ATLANTIC MENHADEN	0.00	0.00	0.00	18	0
28	BLUEBACK HERRING	0.00	0.00	0.00	18	0
29	RAINBOW SMELT	0.00	0.00	6.84	18	0
30	SPOTTAIL SHINER	0.00	0.00	0.00	18	0
31	STRIPED BASS	0.38	12.13	321.66	18	0
32	ATLANTIC TOMCOD	0.00	0.00	0.00	18	0
33	WHITE PERCH	23.43	1.57	104.71	18	0
34	ALOSA SP.	0.00	0.00	929.72	18	0
35	CYPRINIDAE UNIDENTIFIED	1.88	2.33	5.66	18	0
36	MORONE SP.	0.00	0.00	27.35	18	0
37	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.17	18	0
38	UNIDENTIFIABLE	0.00	0.00	1.43	18	0

1987 MORONE ICHTHYOPLANKTON SPECIAL STUDIES (SS87MORO)
CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=7 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
39	ALEWIFE	0.00	0.00	0.00	9	0
40	BAY ANCHOVY	0.00	0.00	0.00	9	0
41	AMERICAN SHAD	0.00	0.00	5.18	9	0
42	BROWN BULLHEAD	0.00	0.00	0.00	9	0
43	AMERICAN EEL	0.00	0.00	0.00	9	0
44	HOGCHOKER	0.00	0.00	0.00	9	0
45	TESSELATED DARTER	0.00	30.30	13.90	9	0
46	ATLANTIC MENHADEN	0.00	0.00	0.00	9	0
47	BLUEBACK HERRING	0.00	0.00	0.00	9	0
48	RAINBOW SMELT	0.00	0.00	3.46	9	0
49	SPOTTAIL SHINER	0.00	0.00	0.00	9	0
50	STRIPED BASS	3.67	4.95	3093.24	9	0
51	ATLANTIC TOMCOD	0.00	0.00	0.00	9	0
52	WHITE PERCH	1.24	2.70	1381.59	9	0
53	ALOSA SP.	0.00	0.00	962.92	9	0
54	CYPRINIDAE UNIDENTIFIED	0.00	68.47	15.18	9	0
55	MORONE SP.	0.00	0.00	178.06	9	0
56	CENTRARCHIDAE UNIDENTIFIED	0.31	0.00	1.05	9	0
57	UNIDENTIFIABLE	0.00	0.00	0.99	9	0

STRATA=7 GEAR=76

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
58	ALEWIFE	0.00	0.00	0.00	9	0
59	BAY ANCHOVY	0.00	0.00	0.00	9	0
60	AMERICAN SHAD	0.00	0.00	2.55	9	0
61	BROWN BULLHEAD	0.00	0.00	0.00	9	0
62	AMERICAN EEL	0.00	0.00	0.00	9	0
63	HOGCHOKER	0.00	0.00	0.00	9	0
64	TESSELATED DARTER	0.00	26.95	2.48	9	0
65	ATLANTIC MENHADEN	0.00	0.00	0.00	9	0
66	BLUEBACK HERRING	0.00	0.00	0.00	9	0
67	RAINBOW SMELT	0.00	0.00	0.34	9	0
68	SPOTTAIL SHINER	0.00	0.00	0.00	9	0
69	STRIPED BASS	0.00	3.13	2684.40	9	0
70	ATLANTIC TOMCOD	0.00	0.00	0.00	9	0
71	WHITE PERCH	0.68	0.68	353.22	9	0
72	ALOSA SP.	0.00	0.00	500.75	9	0
73	CYPRINIDAE UNIDENTIFIED	0.68	11.75	2.54	9	0
74	MORONE SP.	0.00	0.00	327.83	9	0
75	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.00	9	0
76	UNIDENTIFIABLE	0.00	0.00	0.00	9	0

CPUE (NO.*1000/CU.M)
PROGRAM LRCHKSP5.SAS

STRATA=8 GEAR=64

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
77	ALEWIFE	0.00	0.00	0.00	19	0
78	BAY ANCHOVY	0.15	0.00	0.00	19	0
79	AMERICAN SHAD	0.00	0.00	0.43	19	0
80	BROWN BULLHEAD	0.00	0.00	0.00	19	0
81	AMERICAN EEL	0.00	0.00	0.00	19	0
82	HOGCHOKER	0.00	0.00	0.00	19	0
83	TESSELATED DARTER	0.00	6.95	2.35	19	0
84	ATLANTIC MENHADEN	0.00	0.00	0.00	19	0
85	BLUEBACK HERRING	0.00	0.00	0.00	19	0
86	RAINBOW SMELT	0.00	0.00	10.72	19	0
87	SPOTTAIL SHINER	0.00	0.00	0.00	19	0
88	STRIPED BASS	9.20	1.44	909.64	19	0
89	ATLANTIC TOMCOD	0.00	0.00	0.00	19	0
90	WHITE PERCH	11.15	0.29	661.56	19	0
91	ALOSA SP.	0.00	0.00	686.95	19	0
92	CYPRINIDAE UNIDENTIFIED	0.00	8.70	9.03	19	0
93	MORONE SP.	0.00	0.00	59.08	19	0
94	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	0.43	19	0
95	UNIDENTIFIABLE	0.00	0.00	0.80	19	0

STRATA=8 GEAR=65

OBS	TAXON	EGGS	YSL	PYSL	NO_SMP	ZCATCH
96	ALEWIFE	0.00	0.00	0.00	18	0
97	BAY ANCHOVY	0.00	0.00	0.00	18	0
98	AMERICAN SHAD	0.00	0.00	4.12	18	0
99	BROWN BULLHEAD	0.00	0.00	0.00	18	0
100	AMERICAN EEL	0.00	0.00	0.00	18	0
101	HOGCHOKER	0.00	0.00	0.00	18	0
102	TESSELATED DARTER	0.00	10.49	2.89	18	0
103	ATLANTIC MENHADEN	0.00	0.00	0.00	18	0
104	BLUEBACK HERRING	0.00	0.00	0.00	18	0
105	RAINBOW SMELT	0.00	0.00	17.60	18	0
106	SPOTTAIL SHINER	0.00	0.00	0.00	18	0
107	STRIPED BASS	0.00	2.67	1103.19	18	0
108	ATLANTIC TOMCOD	0.00	0.00	0.00	18	0
109	WHITE PERCH	164.17	1.02	719.31	18	0
110	ALOSA SP.	0.00	0.00	1235.52	18	0
111	CYPRINIDAE UNIDENTIFIED	0.34	4.42	15.42	18	0
112	MORONE SP.	0.00	0.00	104.34	18	0
113	CENTRARCHIDAE UNIDENTIFIED	0.00	0.00	1.32	18	0
114	UNIDENTIFIABLE	0.00	0.00	2.34	18	0

APPENDIX I

ANOVA RESULTS: SPECIAL STUDIES

TO EVALUATE SELECTED ICHTHYOPLANKTONS

IN PREVIOUSLY UNSAMPLED REGIONS, 1987

American shad study
Catskill region, 11-29 May

Bay Anchovy study
Poughkeepsie region, 8-26 June

Morone study
Tappan Zee region, 8-26 June

KEY CODE TO GEAR AND STRATA

GEAR

G64	1-m^2 net mounted on an epibenthic sled
G65	1-m^2 tucker trawl
G76	1-m^2 pushnet

STRATA

S1	previously sampled shoal
S2	previously unsampled bottom
S5	beach area unsampleable by beach seine
S7	previously unsampled shore zone
S8	previously unsampled shoal

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=AMERICAN SHAD LIFE_STG=EGGS ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	262.65438494	52.53087699	11.13	0.0001
Error	234	1104.04766171	4.71815240		
Corrected Total	239	1366.70204665			

R-Square	C.V.	Root MSE	CPUE Mean
0.192181	77.85461	2.17213084	2.78998376

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	262.65438494	52.53087699	11.13	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 4.718152
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	1.0193893	1.220465	1.3388652	1.4224837	1.4867974

Means with the same letter are not significantly different.

SNK Grouping		Mean	N	TYPE
	A	4.712	40	G64&S2
	B	3.105	67	G65&S8
	B			
C	B	2.869	33	G64&S8
C	B			
C	B	2.151	25	G64&S7
C	B			
C	B	1.911	25	G76&S7
C				
C		1.537	50	G76&S5

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=AMERICAN SHAD LIFE_STG=YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	7.04699034	1.40939807	1.28	0.2749
Error	234	258.40451783	1.10429281		
Corrected Total	239	265.45150817			

R-Square	C.V.	Root MSE	CPUE Mean
0.026547	33.08652	1.05085337	3.17607725

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	7.04699034	1.40939807	1.28	0.2749

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 1.104293
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	0.4931695	0.5904477	0.6477285	0.6881822	0.7192965

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	TYPE
A	3.439	25	G64&S7
A			
A	3.356	33	G64&S8
A			
A	3.228	67	G65&S8
A			
A	3.116	50	G76&S5
A			
A	3.087	40	G64&S2
A			
A	2.797	25	G76&S7

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=AMERICAN SHAD LIFE_STG=POST-YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	121.74266521	24.34853304	27.82	0.0001
Error	234	204.78214151	0.87513736		
Corrected Total	239	326.52480672			

R-Square	C.V.	Root MSE	CPUE Mean
0.372844	22.48821	0.93548776	4.15990253

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	121.74266521	24.34853304	27.82	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 0.875137
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	0.439028	0.5256267	0.5766191	0.6126316	0.6403301

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	TYPE
A	5.229	25	G76&S7
A A	5.059	50	G76&S5
B	4.560	25	G64&S7
C	3.704	33	G64&S8
C C	3.580	67	G65&S8
C C	3.465	40	G64&S2

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=WHITE PERCH LIFE_STG=EGGS ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	552.40982887	110.48196577	21.84	0.0001
Error	234	1183.68808018	5.05849607		
Corrected Total	239	1736.09790905			

R-Square	C.V.	Root MSE	CPUE Mean
0.318190	54.41805	2.24911006	4.13302244

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	552.40982887	110.48196577	21.84	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 5.058496
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	1.0555159	1.2637176	1.3863139	1.4728958	1.5394887

Means with the same letter are not significantly different.

SNK Grouping		Mean	N	TYPE
	A	6.762	40	G64&S2
	B	5.102	33	G64&S8
	B			
C	B	4.290	67	G65&S8
C				
C	D	3.400	25	G64&S7
	D			
	D	2.831	25	G76&S7
	D			
	D	2.197	50	G76&S5

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=WHITE PERCH LIFE_STG=YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	37.29185727	7.45837145	9.70	0.0001
Error	234	180.01535642	0.76929639		
Corrected Total	239	217.30721369			

R-Square	C.V.	Root MSE	CPUE Mean
0.171609	21.43656	0.87709543	4.09158717

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	37.29185727	7.45837145	9.70	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 0.769296
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	0.4116242	0.4928176	0.540627	0.5743917	0.6003612

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	TYPE
A	4.442	67	G65&S8
A			
A	4.401	25	G76&S7
A			
A	4.286	50	G76&S5
A			
A	4.048	33	G64&S8
B	3.571	40	G64&S2
B			
B	3.346	25	G64&S7

1987 LONG RIVER AMERICAN SHAD SP.STUDIES (SS87SHAD)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSA4.SAS

---------- TAXON=WHITE PERCH LIFE_STG=POST-YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	41.43145715	8.28629143	8.68	0.0001
Error	234	223.50116368	0.95513318		
Corrected Total	239	264.93262083			

R-Square	C.V.	Root MSE	CPUE Mean
0.156385	18.15036	0.97730915	5.38451758

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	41.43145715	8.28629143	8.68	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 234 MSE= 0.955133
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 35.24676

Number of Means	2	3	4	5	6
Critical Range	0.4586549	0.5491251	0.6023971	0.6400196	0.6689563

Means with the same letter are not significantly different.

SNK Grouping		Mean	N	TYPE
	A	5.839	25	G76&S7
	A			
	A	5.832	67	G65&S8
	A			
B	A	5.496	40	G64&S2
B				
B	C	5.119	50	G76&S5
	C			
	C	4.909	33	G64&S8
	C			
	C	4.710	25	G64&S7

1987 LONG RIVER BAY ANCHOVY SP.STUDIES (SS87ANCH)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSB3.SAS

---------- TAXON=BAY ANCHOVY LIFE_STG=EGGS ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	178.93999173	44.73499793	7.59	0.0001
Error	59	347.68996364	5.89305023		
Corrected Total	63	526.62995537			

R-Square	C.V.	Root MSE	CPUE Mean
0.339783	48.29992	2.42756055	5.02601339

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	4	178.93999173	44.73499793	7.59	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 59 MSE= 5.89305
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 11.68831

Number of Means	2	3	4	5
Critical Range	2.0093439	2.4142787	2.654825	2.8256456

Means with the same letter are not significantly different.

SNK Grouping			Mean	N	TYPE
		A	6.887	16	G65&S1
		A			
		A	6.289	16	G64&S1
		A			
	B	A	4.723	8	G64&S7
	B				
	B		3.504	9	G76&S7
	B				
	B		2.768	15	G76&S5

'87 LONG RIVER MORONE SP.STUDIES (SS87MORO)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSM4.SAS

- TAXON=WHITE PERCH LIFE_STG=YOLK-SAC ----------

Analysis of Variance Procedure

Sum of Squares	Mean Square	F Value	Pr > F
6.64929074	1.32985815	2.62	0.0303
39.02446641	0.50681125		
45.67375715			

C.V.	Root MSE	CPUE Mean
156.5348	0.71190677	0.45479148

Anova SS	Mean Square	F Value	Pr > F
6.64929074	1.32985815	2.62	0.0303

udent-Newman-Keuls test for variable: CPUE

test controls the type I experimentwise error rate under the complete null
thesis but not under partial null hypotheses.

Alpha= 0.05 df= 77 MSE= 0.506811
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 12.34657

ns	2	3	4	5	6
e	0.5705459	0.6847589	0.7524298	0.8003747	0.8374288

the same letter are not significantly different.

K Grouping		Mean	N	TYPE
	A	1.131	9	G64&S7
	A			
B	A	0.571	10	G64&S2
B	A			
B	A	0.551	18	G76&S5
B				
B		0.361	18	G65&S8
B				
B		0.311	9	G76&S7
B				
B		0.139	19	G64&S8

F Value	Pr > F
0.61	0.6577

CPUE Mean
6.35968687

F Value	Pr > F
0.61	0.6577

te under the complete null

1987 LONG RIVER MORONE SP.STUDIES (SS87MORO)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSM4.SAS

---------- TAXON=WHITE PERCH LIFE_STG=POST-YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	62.27425929	12.45485186	25.04	0.0001
Error	77	38.30438073	0.49745949		
Corrected Total	82	100.57864002			

R-Square	C.V.	Root MSE	CPUE Mean
0.619160	11.84767	0.70530808	5.95313728

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	62.27425929	12.45485186	25.04	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 77 MSE= 0.497459
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 12.34657

Number of Means	2	3	4	5	6
Critical Range	0.5652575	0.6784118	0.7454555	0.792956	0.8296667

Means with the same letter are not significantly different.

SNK Grouping		Mean	N	TYPE
	A	6.877	9	G64&S7
	A			
	A	6.571	10	G64&S2
	A			
B	A	6.398	19	G64&S8
B	A			
B	A	6.346	18	G65&S8
B				
B		5.736	9	G76&S7
	C	4.393	18	G76&S5

1987 LONG RIVER MORONE SP.STUDIES (SS87MORO)
COMPARING TYPES (GEAR G## & STRATA S#)
PROGRAM: LRGLMSM4.SAS

---------- TAXON=STRIPED BASS LIFE_STG=POST-YOLK-SAC ----------

Analysis of Variance Procedure

Dependent Variable: CPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	49.38783624	9.87756725	23.83	0.0001
Error	77	31.91544337	0.41448628		
Corrected Total	82	81.30327960			

R-Square	C.V.	Root MSE	CPUE Mean
0.607452	9.747388	0.64380609	6.60490857

Source	DF	Anova SS	Mean Square	F Value	Pr > F
TYPE	5	49.38783624	9.87756725	23.83	0.0001

Student-Newman-Keuls test for variable: CPUE

NOTE: This test controls the type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha= 0.05 df= 77 MSE= 0.414486
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 12.34657

Number of Means	2	3	4	5	6
Critical Range	0.5159678	0.6192551	0.6804527	0.7238112	0.7573208

Means with the same letter are not significantly different.

SNK Grouping	Mean	N	TYPE
A	7.818	9	G76&S7
A			
A	7.640	9	G64&S7
B	6.836	18	G65&S8
B			
B	6.720	19	G64&S8
C	5.715	10	G64&S2
C			
C	5.622	18	G76&S5

APPENDIX J

STANDING CROP DATA

J.1 1986 Longitudinal River Survey

J.2 1986 Fall Shoals & Beach Seine Surveys

J.3 1987 Longitudinal River Survey

J.4 1987 Fall Shoals & Beach Seine Surveys

APPENDIX J.1

1986 LONGITUDINAL RIVER SURVEY

J.1.1 Eggs and Yolk-sac Larvae

Striped bass
White perch
Alosa spp.

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	77254	0	NS	0	0	
	51569	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	37043	153398	NS	0	0	
	37043	117903		0	0	
KINGSTON	37774	52315	NS	0	0	
	37774	52315		0	0	
SAUGERTIES	442464	298884	NS	0	0	
	293048	298884		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	594536	504597	0	0	0	0
	302218	325530	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	566821	55416	9928
	0	0	0	159888	42927	9928
WEST POINT	1987568	584903	NS	568310	107530	
	589785	505149		95000	82870	
CORNWALL	533	404	21	221	39	20
	327	213	10	159	30	10
POUGHKEEPSIE	342382	102467	NS	3492361	306889	
	154125	70053		1621435	130187	
HYDE PARK	456956	329949	NS	2316795	328108	
	247498	231021		995573	105011	
KINGSTON	198628	0	NS	543928	96940	
	198628	0		242005	96940	
SAUGERTIES	0	0	NS	0	266223	
	0	0		0	207173	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	3519	1421	21	7709	1200	30
	761	599	10	1934	300	14

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	17681	0	0	2950958	244139	29784
	17681	0	0	1143836	229122	29784
WEST POINT	3665322	1.164E7	NS	5.114E7	1.561E7	
	1264913	3153765		8098966	3949140	
CORNWALL	1336	16896	105	4953	3591	2377
	1035	8395	69	2246	852	1092
POUGHKEEPSIE	9766888	1.112E7	NS	3.151E7	1.471E7	
	4193699	7490215		1.406E7	4538965	
HYDE PARK	1.474E7	1.541E7	NS	3.756E7	2.384E7	
	9066825	9444139		1.545E7	8078745	
KINGSTON	8856026	511506	NS	1.105E7	8984840	
	6279499	314608		7785606	2257730	
SAUGERTIES	111515	0	NS	589135	95690	
	111515	0		589135	95690	
CATSKILL	0	0	NS	84567	0	
	0	0		84567	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	38494	55575	105	139839	67077	2407
	11913	15027	69	23865	10361	1092

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	238882	0	0
	0	0	0	238882	0	0
INDIAN POINT	19862	0	0	4289796	273499	67893
	19862	0	0	1176669	110500	42971
WEST POINT	747280	279379	NS	4.582E7	410318	
	204730	161314		9915207	145870	
CORNWALL	224	549	270	4433	5293	1556
	164	373	153	4228	2475	579
POUGHKEEPSIE	3885677	289138	NS	2.141E7	1.857E7	
	2288394	160017		1.111E7	5434039	
HYDE PARK	2014251	38662	NS	4.848E7	1.542E7	
	945401	38662		2.353E7	1.017E7	
KINGSTON	1008878	0	NS	2640928	717568	
	294138	0		1382485	353268	
SAUGERTIES	0	44243	NS	442818	147771	
	0	44243		296584	89973	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	18883	0	NS	0	0	
	18883	0		0	0	
TOTAL STANDING CROP	7919	1201	270	127758	40832	1624
	2507	441	153	28229	11800	580

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	182348	708057	561990
	0	0	0	182348	410579	561990
CROTON-HAVERSTRAW	0	0	0	1.442E7	1.089E7	1126422
	0	0	0	9263621	5345212	653143
INDIAN POINT	275360	21774	0	2.233E7	3.167E7	1448371
	237933	21774	0	6735401	9368868	256844
WEST POINT	549184	532275	NS	2.75E7	7197846	
	321631	272483		5616384	2321879	
CORNWALL	0	327	7	7400	6411	55
	0	327	7	5558	2632	41
POUGHKEEPSIE	1812216	133517	NS	8.623E7	3.41E7	
	1033019	54543		4.479E7	1.197E7	
HYDE PARK	2133058	4348943	NS	1.684E7	7122341	
	1558964	1030102		6084010	1606962	
KINGSTON	171110	0	NS	2616673	901146	
	171110	0		1427369	601881	
SAUGERTIES	0	23561	NS	2532618	922239	
	0	23561		2085933	476523	
CATSKILL	0	0	NS	1764020	292041	
	0	0		611252	146204	
ALBANY	0	13941	NS	0	0	
	0	13941		0	0	
TOTAL STANDING CROP	4941	5401	7	181800	100220	3192
	1920	1117	7	47368	16589	900

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	321819	0	1174724	0	0
	0	321819	0	556160	0	0
WEST POINT	270608	0	NS	2435973	543969	
	131389	0		528813	389656	
CORNWALL	0	27762	0	171216	26394	0
	0	18364	0	171216	17477	0
POUGHKEEPSIE	141818	13058	NS	2.252E7	1.09E7	
	98830	13058		5685621	6198181	
HYDE PARK	231726	174755	NS	1.73E7	5877586	
	157561	83559		7040759	1583888	
KINGSTON	0	0	NS	2561368	1154597	
	0	0		1001854	862561	
SAUGERTIES	0	0	NS	4830760	519439	
	0	0		349364	155142	
CATSKILL	0	47502	NS	81275	229276	
	0	47502		81275	167644	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	644152	584897	0	5.108E7	1.925E7	0
	227718	336621	0	9145995	6471048	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	39509	0	0	359875	0	28086
	39509	0	0	157691	0	28086
WEST POINT	21630	21663	NS	1242757	132928	
	21630	21663		330521	45237	
CORNWALL	21125	0	0	1076433	149452	0
	21125	0	0	392170	70819	0
POUGHKEEPSIE	48430	28324	NS	3360162	988857	
	48430	28324		1055573	619768	
HYDE PARK	690532	107367	NS	847488	376678	
	447740	67442		315191	122574	
KINGSTON	40272	39023	NS	1292786	177997	
	40272	39023		676958	100935	
SAUGERTIES	534535	0	NS	530979	549868	
	534535	0		174623	243517	
CATSKILL	1553241	148564	NS	980995	0	
	1553241	148564		980995	0	
ALBANY	33548	0	NS	0	0	
	33548	0		0	0	
TOTAL STANDING CROP	2982823	344940	0	9691475	2375780	28086
	1704795	171505	0	1718314	689700	28086

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	29390	0
	0	0	0	0	29390	0
INDIAN POINT	0	0	0	331600	0	9496
	0	0	0	187784	0	9496
WEST POINT	0	0	NS	374717	71273	
	0	0		213931	46212	
CORNWALL	0	0	0	589922	80016	0
	0	0	0	240901	46652	0
POUGHKEEPSIE	505319	0	NS	4240000	191273	
	346508	0		1810951	88041	
HYDE PARK	41298	20998	NS	476969	22223	
	41298	20998		244622	22223	
KINGSTON	0	0	NS	100921	0	
	0	0		63837	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	52608	NS	0	0	
	0	52608		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	546617	73607	0	6114130	394176	9496
	348960	56644	0	1866151	115848	9496

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	403815	0	71112
	0	0	0	133447	0	47669
WEST POINT	0	0	NS	483234	653114	
	0	0		202845	498125	
CORNWALL	0	0	0	1973945	1414802	56139
	0	0	0	961983	970022	56139
POUGHKEEPSIE	0	0	NS	1906344	207012	
	0	0		1476470	172333	
HYDE PARK	0	0	NS	125605	0	
	0	0		62902	0	
KINGSTON	0	0	NS	95340	0	
	0	0		60381	0	
SAUGERTIES	0	0	NS	335538	40727	
	0	0		335538	40727	
CATSKILL	0	192078	NS	0	208419	
	0	192078		0	142588	
ALBANY	456476	0	NS	223996	0	
	456476	0		223996	0	
TOTAL STANDING CROP	456476	192078	0	5547818	2524074	127251
	456476	192078	0	1826114	1113894	73647

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	224284	43456	
	0	0		137013	43456	
CORNWALL	22225	11070	0	0	0	0
	22225	11070	0	0	0	0
POUGHKEEPSIE	0	0	NS	91891	0	
	0	0		62750	0	
HYDE PARK	45888	114125	NS	85251	46462	
	45888	114125		56414	46462	
KINGSTON	0	0	NS	49538	0	
	0	0		49538	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	203373	NS	89980	55356	
	0	203373		89980	55356	
ALBANY	0	18916	NS	0	0	
	0	18916		0	0	
TOTAL STANDING CROP	68112	347483	0	540945	145274	0
	50986	234233	0	190900	84329	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	21334 21334	0 0	
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	
HYDE PARK	55647 55647	0 0	NS	0 0	0 0	
KINGSTON	0 0	0 0	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	0 0	0 0	
TOTAL STANDING CROP	55647 55647	0 0	0 0	21334 21334	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	22863	0	0	25022	0	0
	22863	0	0	25022	0	0
WEST POINT	16721	60036	NS	0	0	
	16721	38030		0	0	
CORNWALL	0	121	58	0	0	4
	0	73	39	0	0	4447
POUGHKEEPSIE	1997729	2634707	NS	67764	0	
	1119981	498967		67764	0	
HYDE PARK	2346080	8530365	NS	0	11968	
	1804543	6280886		0	11968	
KINGSTON	1757103	8.579E7	NS	270753	17941	
	902195	5.368E7		192929	17941	
SAUGERTIES	773293	1.79E8	NS	553194	49814	
	397985	8.952E7		399366	49814	
CATSKILL	4.436E8	6.636E8	NS	1598410	177147	
	4.324E8	3.047E8		652599	46603	
ALBANY	3563290	1.864E7	NS	206383	27380	
	2983499	1.032E7		103415	11817	
TOTAL STANDING CROP	454061	958388	58	2722	284	4
	432410	322335	39	799	73	4

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	52024	0	0	913831	162850	39305
	28789	0	0	195404	80453	28083
WEST POINT	407717	388211	NS	1690508	312774	
	120311	309248		239443	112110	
CORNWALL	483	14433	189	1089	1342	534
	316	5019	69	398	373	161
POUGHKEEPSIE	3.655E7	3196147	NS	1.399E7	1456389	
	3.219E7	1994571		7542436	451343	
HYDE PARK	2.887E7	3.235E8	NS	1.32E8	6.78E7	
	1.647E7	1.866E8		4.539E7	2.081E7	
KINGSTON	6.885E7	6.673E7	NS	2.209E8	5.901E7	
	3.153E7	2.306E7		3.629E7	1.919E7	
SAUGERTIES	1488478	1726342	NS	1.986E8	1.743E8	
	1319565	608408		9.499E7	3.626E7	
CATSKILL	5917812	6594416	NS	1.296E8	1.108E8	
	2627241	6526361		3.809E7	3.262E7	
ALBANY	1220760	7732904	NS	2428671	1609058	
	863600	4048800		1119887	1422474	
TOTAL STANDING CROP	143844	424334	189	701146	416836	574
	48074	188235	69	117939	56418	164

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	16	0	20	666	33	99
	16	0	20	274	33	26
WEST POINT	2478376	4636894	NS	8074560	1726912	
	707125	2483660		1301871	391851	
CORNWALL	334	33460	10	9305	6449	2559
	228	10404	10	3515	1311	857
POUGHKEEPSIE	4585575	1.006E8	NS	2.089E8	3.452E7	
	3345559	2.936E7		4.962E7	8020196	
HYDE PARK	3.941E7	7.5E7	NS	1.923E8	1.011E8	
	1.746E7	1.591E7		4.57E7	2.258E7	
KINGSTON	1.591E7	9416762	NS	1.09E8	1.079E8	
	1.559E7	7155599		6.188E7	1.131E7	
SAUGERTIES	1659402	1.697E7	NS	9.831E7	2.366E7	
	1514507	1.626E7		7595284	1.049E7	
CATSKILL	422834	4083584	NS	1.791E7	2.734E7	
	422834	1883939		7583335	5800157	
ALBANY	394407	1113241	NS	3591513	6104999	
	278712	653360		1112933	1088162	
TOTAL STANDING CROP	65208	245309	30	648001	308828	2658
	23706	39355	22	92249	29138	858

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	38247	0	30071	0	0
	0	38247	0	30071	0	0
INDIAN POINT	0	110	398	967	16	116
	0	93	245	339	16	74
WEST POINT	863615	3.227E7	NS	1.634E7	88870	
	319620	2.463E7		4109508	51481	
CORNWALL	55	12535	3989	1447	1630	1343
	55	4638	3572	907	638	514
POUGHKEEPSIE	1.401E7	9327463	NS	4.489E7	1.066E7	
	5674061	5058223		1.584E7	4734947	
HYDE PARK	1397846	5.378E7	NS	2.172E7	1783287	
	648971	3.574E7		8455642	473701	
KINGSTON	3526898	2.619E7	NS	3.322E7	918640	
	1851286	2.02E7		8149581	440437	
SAUGERTIES	1552013	5.055E8	NS	1.901E7	2974090	
	1104247	4.075E8		9782376	1495237	
CATSKILL	1.678E8	5.176E8	NS	5419318	2015873	
	1.472E8	3.192E8		1366150	1724018	
ALBANY	3724094	7053069	NS	5273603	1312958	
	644740	3037280		1120991	157433	
TOTAL STANDING CROP	192933	1164412	4387	148311	21400	1460
	147307	519891	3581	22479	5337	520

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	118185	0	0
	0	0	0	118185	0	0
TAPPAN ZEE	0	173149	0	210688	100592	366468
	0	173149	0	210688	100592	197620
CROTON-HAVERSTRAW	0	126080	0	403647	570639	360966
	0	81832	0	264495	334618	187506
INDIAN POINT	446723	1643938	0	2247274	1146480	339077
	257603	855854	0	815708	324117	119875
WEST POINT	1.204E7	6152375	NS	4171308	356495	
	6943390	3410172		871853	177602	
CORNWALL	272	18099	112	455	66	29
	272	8493	73	192	34	18
POUGHKEEPSIE	2345328	2.068E8	NS	5697679	1418621	
	907608	8.025E7		1567918	557363	
HYDE PARK	1756875	3632640	NS	4477078	2532549	
	1456662	1933538		1119732	458888	
KINGSTON	6866002	2.388E7	NS	3594525	2025222	
	4711429	2.195E7		1548096	990776	
SAUGERTIES	1.876E7	9.049E7	NS	1.646E7	2572327	
	8997091	8.765E7		8020845	1224690	
CATSKILL	1.066E7	9.498E7	NS	3.704E7	4.789E7	
	2821949	3.235E7		6567302	3.136E7	
ALBANY	269622	2832793	NS	1.128E7	28083	
	226209	1308831		7889020	14043	
TOTAL STANDING CROP	53425	448855	112	86151	58709	1096
	12746	125466	73	13319	31415	298

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	80414
	0	0	0	0	0	50015
INDIAN POINT	0	0	0	383692	20078	57873
	0	0	0	195156	20078	40467
WEST POINT	3041989	5.457E7	NS	1244963	191069	
	1866049	3.49E7		217831	144853	
CORNWALL	0	10041	143	0	14	16
	0	5050	136	0	13742	16478
POUGHKEEPSIE	1956237	5805978	NS	487554	71992	
	800012	1774173		191256	27385	
HYDE PARK	505285	1451897	NS	1017106	698955	
	372966	582227		244119	180973	
KINGSTON	46333	2327850	NS	1040689	109151	
	46333	1513818		472456	44850	
SAUGERTIES	0	387076	NS	3875290	1323268	
	0	210225		1847463	860580	
CATSKILL	3165227	1.572E7	NS	7.143E7	6309566	
	3044129	7605065		4.061E7	1843317	
ALBANY	38724	1729873	NS	1.76E7	2584385	
	23714	1661454		1716430	1306636	
TOTAL STANDING CROP	8754	92035	143	97079	11322	155
	3678	36190	136	40695	2430	66

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	19070	0
	0	0	0	0	19070	0
INDIAN POINT	39509	0	0	147302	0	0
	39509	0	0	87787	0	0
WEST POINT	243546	128192	NS	50200	32494	
	195979	42534		34856	32494	
CORNWALL	22	184	65	177	74	0
	22	98	65	77	55	0
POUGHKEEPSIE	330791	1353621	NS	1295614	28016	
	248734	818160		533521	28016	
HYDE PARK	105876	22092	NS	647283	89080	
	105876	22092		256673	43246	
KINGSTON	1129551	1097472	NS	401461	0	
	613135	605024		92878	0	
SAUGERTIES	0	857149	NS	534535	608999	
	0	521700		534535	223968	
CATSKILL	1619211	1.193E7	NS	7488702	1.561E7	
	1273580	5962767		4178215	1.523E7	
ALBANY	256641	2355578	NS	6332020	1554744	
	55257	2262229		2474414	1531304	
TOTAL STANDING CROP	3747	17928	65	17074	18012	0
	1454	6480	65	4923	15305	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	69289	227884	NS	44414	0	
	50915	112117		30754	0	
CORNWALL	0	31928	0	69853	0	0
	0	31928	0	37026	0	0
POUGHKEEPSIE	0	0	NS	423524	0	
	0	0		176933	0	
HYDE PARK	0	3820717	NS	394486	66405	
	0	3820717		149206	44620	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	35130	NS	361365	0	
	0	35130		361365	0	
CATSKILL	0	263002	NS	2724578	1683011	
	0	139181		2593782	1055686	
ALBANY	0	853077	NS	681438	667190	
	0	781907		391140	343272	
TOTAL STANDING CROP	69289	5231739	0	4699659	2416606	0
	50915	3904287	0	2658413	1110990	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	77174	0	0
	0	0	0	48973	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	20620	0	NS	208446	0	
	20620	0		184930	0	
CORNWALL	0	262352	0	0	0	0
	0	262352	0	0	0	0
POUGHKEEPSIE	0	0	NS	48292	0	
	0	0		48292	0	
HYDE PARK	0	24096	NS	0	0	
	0	24096		0	0	
KINGSTON	93526	0	NS	0	0	
	93526	0		0	0	
SAUGERTIES	0	113668	NS	0	40727	
	0	113668		0	40727	
CATSKILL	95379	480195	NS	1237941	244317	
	95379	480195		484661	94107	
ALBANY	391265	1178738	NS	65211	475939	
	391265	1178738		65211	202219	
TOTAL STANDING CROP	600791	2059050	0	1637064	760983	0
	413954	1304738	0	527331	226732	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	44933	0	0	0	0
	0	44933	0	0	0	0
WEST POINT	65104	24563	NS	0	0	
	47625	16082		0	0	
CORNWALL	0	1747615	0	0	0	0
	0	1586240	0	0	0	0
POUGHKEEPSIE	0	30621	NS	0	0	
	0	30621		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	508432	NS	179959	0	
	0	508432		179959	0	
ALBANY	0	37831	NS	824407	0	
	0	37831		441643	0	
TOTAL STANDING CROP	65104	2393995	0	1004366	0	0
	47625	1667126	0	476901	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	87640	0	NS	0	0	
	87640	0		0	0	
ALBANY	0	16450	NS	0	0	
	0	16450		0	0	
TOTAL STANDING CROP	87640	16450	0	0	0	0
	87640	16450	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	19627	0	8500
	0	0	0	19627	0	8500
WEST POINT	0	0	NS	33579	20436	
	0	0		23345	20436	
CORNWALL	0	0	4	0	0	32
	0	0	4	0	0	16044
POUGHKEEPSIE	1185565	2408381	NS	672702	168317	
	899280	809568		290589	82655	
HYDE PARK	2120098	1015923	NS	430023	23924	
	1234508	714352		140486	15835	
KINGSTON	1212376	1.177E7	NS	291532	124520	
	1081105	5013928		145034	82820	
SAUGERTIES	2430607	1.643E8	NS	1548995	1874609	
	1229618	1.035E8		672410	1106523	
CATSKILL	5.964E7	3.937E9	NS	3508471	7613967	
	1.665E7	1.881E9		259113	5528677	
ALBANY	8.739E7	1.27E9	NS	2003429	4498458	
	5.283E7	8.704E8		1210429	1976729	
TOTAL STANDING CROP	153984	5386012	4	8508	14324	40
	55438	2075160	4	1453	5976	18

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	39524	0	0
	0	0	0	27360	0	0
WEST POINT	0	0	NS	721453	193302	
	0	0		167494	140745	
CORNWALL	0	243	21	712	400	98
	0	85	15	174	126	37
POUGHKEEPSIE	2089670	445278	NS	1218546	198636	
	1935879	341607		396971	76998	
HYDE PARK	1267946	1.252E7	NS	2389212	405645	
	595872	8017560		950971	200951	
KINGSTON	3.02E7	1.863E7	NS	8496402	2917940	
	2.044E7	7419407		1935108	973594	
SAUGERTIES	1.346E7	1.845E7	NS	9.667E7	1.399E8	
	2625646	8253025		4.502E7	6.461E7	
CATSKILL	2.884E7	9.076E7	NS	2.051E8	4.842E8	
	2.265E7	8.839E7		7.836E7	1.644E8	
ALBANY	3269073	5.27E7	NS	2.096E7	5.224E7	
	1704241	1.706E7		3560658	1.206E7	
TOTAL STANDING CROP	79129	193765	21	336261	680369	98
	30733	91056	15	90471	177060	37

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	44824	0
	0	0	0	0	44824	0
CROTON-HAVERSTRAW	0	0	0	0	0	44624
	0	0	0	0	0	44624
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	16360	0	NS	724500	755813	
	16360	0		245927	379385	
CORNWALL	0	9789	0	311271	417146	271455
	0	9789	0	197047	124319	112000
POUGHKEEPSIE	609241	637579	NS	6761053	1286650	
	356460	222416		1789935	367283	
HYDE PARK	2348140	5510000	NS	9712155	3.15E7	
	1134700	1798293		1737799	1.924E7	
KINGSTON	2218004	612849	NS	4.799E7	2.114E7	
	1797840	392880		3.545E7	2954874	
SAUGERTIES	334546	1.451E7	NS	2.856E7	3576086	
	334546	1.373E7		7930527	958456	
CATSKILL	1523185	3.602E7	NS	2.258E7	6.314E7	
	1396827	2.343E7		1.994E7	6651478	
ALBANY	5963147	4.95E7	NS	3921678	1.426E7	
	2948463	1.578E7		933467	3422966	
TOTAL STANDING CROP	1.301E7	1.068E8	0	1.206E8	1.361E8	316078
	3924740	3.146E7	0	4.153E7	2.089E7	120562

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	17012	0	NS	642649	0	
	17012	0		189513	0	
CORNWALL	52	102	26	222	89	286
	52	54	26	136	35	101
POUGHKEEPSIE	2.082E7	5716768	NS	1.35E7	147704	
	1.155E7	5474241		2537649	55297	
HYDE PARK	2320322	2.139E7	NS	4850047	243291	
	1223447	1.444E7		1368442	102272	
KINGSTON	1730065	1.164E7	NS	1.72E7	486327	
	710515	8204108		3701007	255560	
SAUGERTIES	447118	2.762E8	NS	1.559E7	2384776	
	447118	1.89E8		5099173	2307565	
CATSKILL	1.661E8	3.52E8	NS	4449399	5617033	
	1.559E8	1.799E8		2616121	2623023	
ALBANY	2.34E7	1.963E7	NS	3.068E7	8320247	
	9213134	1.06E7		1.095E7	1599929	
TOTAL STANDING CROP	214916	686649	26	87130	17288	286
	156635	261738	26	13222	3853	101

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	51783	0	NS	0	0	
	51783	0		0	0	
CORNWALL	0	21824	0	0	0	0
	0	21824	0	0	0	0
POUGHKEEPSIE	0	39222	NS	1211657	415704	
	0	21091		463643	286657	
HYDE PARK	0	0	NS	736537	230619	
	0	0		212197	84898	
KINGSTON	40107	0	NS	693708	54896	
	40107	0		531447	31703	
SAUGERTIES	3516190	4.493E7	NS	1814710	1268763	
	2388297	4.421E7		1055304	715574	
CATSKILL	3376513	1.068E8	NS	1.095E7	1.226E7	
	474188	3.198E7		6433198	1.015E7	
ALBANY	239686	69121	NS	2.712E7	943143	
	239686	28187		1.283E7	664059	
TOTAL STANDING CROP	7224279	1.518E8	0	4.252E7	1.518E7	0
	2447561	5.456E7	0	1.441E7	1.02E7	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	29034	81586	NS	0	0	
	29034	52694		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	29097	0	NS	0	26738	
	29097	0		0	26738	
HYDE PARK	0	0	NS	152472	0	
	0	0		92235	0	
KINGSTON	0	54132	NS	234660	55355	
	0	31275		133528	31961	
SAUGERTIES	0	83411	NS	9505645	1152649	
	0	56062		3293667	572291	
CATSKILL	1379663	1.026E7	NS	8.4E7	3937241	
	1379663	6213101		4.682E7	1065508	
ALBANY	251627	1282798	NS	2.053E8	3339692	
	206602	901590		4.492E7	1388180	
TOTAL STANDING CROP	1689420	1.176E7	0	2.992E8	8511675	0
	1395652	6278725	0	6.497E7	1841631	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	46861	0	
	0	0		46861	0	
SAUGERTIES	0	0	NS	2316319	0	
	0	0		2316319	0	
CATSKILL	86076	596987	NS	1872039	1.323E7	
	86076	372788		1307739	1.233E7	
ALBANY	0	549365	NS	1.54E7	2606282	
	0	377314		6588260	2175113	
TOTAL STANDING CROP	86076	1146352	0	1.963E7	1.584E7	0
	86076	530412	0	7105131	1.252E7	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	101419	0	
	0	0		101419	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	352112	0	
	0	0		9253	0	
CATSKILL	87888	52589	NS	262117	0	
	87888	52589		152234	0	
ALBANY	0	294221	NS	4524341	193981	
	0	205518		2054035	58362	
TOTAL STANDING CROP	87888	346809	0	5239989	193981	0
	87888	212139	0	2062185	58362	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	1884578	0	
	0	0		1884578	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	49712	0	
	0	0		49712	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	48020	NS	259985	53466	
	0	48020		143151	53466	
ALBANY	0	73671	NS	782531	1301788	
	0	73671		782531	660164	
TOTAL STANDING CROP	0	121691	0	2976805	1355255	0
	0	87939	0	2046204	662326	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	534704	0	
	0	0		534704	0	
CATSKILL	0	101686	NS	0	0	
	0	101686		0	0	
ALBANY	0	56747	NS	329142	0	
	0	56747		281000	0	
TOTAL STANDING CROP	0	158434	0	863845	0	0
	0	116449	0	604044	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	87640	0	
	0	0		87640	0	
ALBANY	0	15882	NS	101705	0	
	0	15882		63716	0	
TOTAL STANDING CROP	0	15882	0	189345	0	0
	0	15882	0	108354	0	0

J.1.2 Post Yolk-sac Larvae and Young-of-Year

Striped bass
White perch
Atlantic tomcod
American shad
Alosa spp.
Blueback herring
Alewife
Bay anchovy
Weakfish
White catfish
Spottail shiner
Atlantic sturgeon
Shortnose sturgeon

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	20	0	0	0	0	0
	20	0	0	0	0	0
WEST POINT	199	21	NS	0	0	NS
	57	21		0	0	
CORNWALL	728	129	5	0	0	0
	597	59	5	0	0	0
POUGHKEEPSIE	2529	1308	NS	0	0	NS
	750	307		0	0	
HYDE PARK	1330	766	NS	0	0	NS
	326	414		0	0	
KINGSTON	190	0	NS	0	0	NS
	126	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	4995	2224	5	0	0	0
	1022	519	5	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	3190	191	28	0	0	0
	2948	191	28	0	0	0
INDIAN POINT	17936	802	306	0	0	0
	3962	297	146	0	0	0
WEST POINT	51885	1037	NS	0	0	NS
	6618	404		0	0	
CORNWALL	2910	7456	2737	0	0	0
	2321	2385	710	0	0	0
POUGHKEEPSIE	25038	18515	NS	0	0	NS
	12362	5415		0	0	
HYDE PARK	3146	6012	NS	0	0	NS
	1619	3824		0	0	
KINGSTON	82	143	NS	0	0	NS
	53	76		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	104187	34158	3071	0	0	0
	15134	7065	726	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	7361	509	844	0	0	0
	1534	158	638	0	0	0
TAPPAN ZEE	7195	9433	14253	0	0	0
	1497	2158	9220	0	0	0
CROTON-HAVERSTRAW	13686	12843	10432	0	0	0
	5751	2165	5069	0	0	0
INDIAN POINT	87232	15101	7954	0	0	0
	15769	4175	4349	0	0	0
WEST POINT	201102	23133	NS	0	0	NS
	34585	8801		0	0	
CORNWALL	25521	53897	2109	0	0	0
	14438	31298	588	0	0	0
POUGHKEEPSIE	13070	9401	NS	0	0	NS
	4455	2508		0	0	
HYDE PARK	2022	390	NS	0	0	NS
	435	103		0	0	
KINGSTON	705	56	NS	0	0	NS
	298	33		0	0	
SAUGERTIES	0	56	NS	0	0	NS
	0	35		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	357894	124819	35591	0	0	0
	41365	33017	11418	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	489	0	174	0	0	0
	271	0	40	0	0	0
TAPPAN ZEE	7275	893	3758	0	0	0
	1591	328	1611	0	0	0
CROTON-HAVERSTRAW	18735	2840	8257	0	0	0
	4540	1379	6405	0	0	0
INDIAN POINT	138178	11365	11771	0	0	0
	30519	2280	655	0	0	0
WEST POINT	146965	20299	NS	0	0	NS
	23621	6451		0	0	
CORNWALL	78306	57070	2585	0	0	0
	26976	19818	670	0	0	0
POUGHKEEPSIE	64666	39048	NS	0	0	NS
	8887	15798		0	0	
HYDE PARK	15584	2158	NS	0	0	NS
	4068	293		0	0	
KINGSTON	4262	1645	NS	0	0	NS
	771	535		0	0	
SAUGERTIES	1473	616	NS	0	0	NS
	1163	230		0	0	
CATSKILL	0	46	NS	0	0	NS
	0	46		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	475933	135980	26545	0	0	0
	48351	26298	6671	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	124	47	0	0	0	0
	81	31		0	0	
TAPPAN ZEE	2041	4211	2574	0	0	0
	1160	2705	2181	0	0	0
CROTON-HAVERSTRAW	5235	3618	5279	0	0	0
	1152	1219	1664	0	0	0
INDIAN POINT	21440	2191	4730	0	0	0
	4762	807	2254	0	0	0
WEST POINT	15655	2801	NS	0	0	NS
	2281	384		0	0	
CORNWALL	6859	2555	1071	0	0	0
	1399	540	458	0	0	0
POUGHKEEPSIE	19059	1678	NS	0	0	NS
	3684	451		0	0	
HYDE PARK	2209	451	NS	0	0	NS
	350	108		0	0	
KINGSTON	1340	837	NS	0	0	NS
	897	269		0	0	
SAUGERTIES	1768	218	NS	0	0	NS
	1055	218		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	75729	18608	13655	0	0	0
	6937	3199	3580	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	62	0	0	0	0	0
	62	0		0	0	
TAPPAN ZEE	77	95	466	0	0	0
	77	58	38	0	0	0
CROTON-HAVERSTRAW	399	796	535	0	0	0
	218	293	450	0	0	0
INDIAN POINT	2808	1627	542	0	0	0
	767	655	279	0	0	0
WEST POINT	11818	1365	NS	0	25	NS
	1313	443		0	25	
CORNWALL	6649	2190	176	0	0	0
	1304	786	106	0	0	0
POUGHKEEPSIE	19894	367	NS	0	0	NS
	9560	176		0	0	
HYDE PARK	2771	49	NS	0	0	NS
	814	49		0	0	
KINGSTON	0	100	NS	0	0	NS
	0	64		0	0	
SAUGERTIES	0	39	NS	0	0	NS
	0	39		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	44478	6628	1719	0	25	0
	9805	1171	542	0	25	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	369	522	127	0	0	0
	228	301		0	0	
TAPPAN ZEE	1559	2690	4014	0	0	0
	563	697	671	0	0	0
CROTON-HAVERSTRAW	2704	4081	92	0	0	42
	1559	1793	53	0	0	42
INDIAN POINT	7100	1007	257	0	0	44
	1643	331	98	0	0	33
WEST POINT	8018	1678	NS	0	11	NS
	1179	811		0	11	
CORNWALL	2736	2104	562	0	0	59
	905	1101	204	0	0	59
POUGHKEEPSIE	1137	1309	NS	0	0	NS
	365	612		0	0	
HYDE PARK	379	161	NS	0	0	NS
	291	79		0	0	
KINGSTON	93	70	NS	0	0	NS
	59	40		0	0	
SAUGERTIES	0	73	NS	0	0	NS
	0	42		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	1185	0	NS	0	0	NS
	1136	0		0	0	
TOTAL STANDING CROP	25279	13696	5053	0	11	145
	3036	2481	710	0	11	80

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	352	859	543	0	0	0
	352	666	346	0	0	0
CROTON-HAVERSTRAW	188	471	86	0	74	99
	108	198	50	0	36	58
INDIAN POINT	3654	1242	112	0	134	23
	699	624	13	0	134	23
WEST POINT	1813	474	NS	102	92	NS
	385	170		62	60	
CORNWALL	797	733	255	0	106	0
	180	156	161	0	56	0
POUGHKEEPSIE	1167	1056	NS	0	0	NS
	316	377		0	0	
HYDE PARK	484	481	NS	0	70	NS
	248	133		0	46	
KINGSTON	430	345	NS	0	94	NS
	147	138		0	94	
SAUGERTIES	0	155	NS	0	0	NS
	0	66		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	8886	5815	996	102	569	122
	994	1053	386	62	192	62

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	27	0	0	0	0
	0	27		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	354	0	32	33	0	0
	180	0	20	33	0	0
WEST POINT	607	455	NS	0	0	NS
	157	145		0	0	
CORNWALL	65	303	111	0	35	249
	46	107	111	0	18	249
POUGHKEEPSIE	481	196	NS	0	0	NS
	193	124		0	0	
HYDE PARK	93	0	NS	0	0	NS
	62	0		0	0	
KINGSTON	49	0	NS	0	67	NS
	49	0		0	39	
SAUGERTIES	0	0	NS	0	81	NS
	0	0		0	47	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	1649	982	143	33	183	249
	320	221	112	33	63	249

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	18	0	0	0	0	0
	18	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	10	0	0	0	0
	0	10	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	138	1674	NS	0	0	NS
	76	1597		0	0	
KINGSTON	518	135	NS	0	0	NS
	234	61		0	0	
SAUGERTIES	221	316	NS	0	0	NS
	111	169		0	0	
CATSKILL	3911	674	NS	0	0	NS
	2005	606		0	0	
ALBANY	37	57	NS	0	0	NS
	23	57		0	0	
TOTAL STANDING CROP	4843	2866	0	0	0	0
	2024	1718	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	726	66	40	0	0	0
	270	66	40	0	0	0
WEST POINT	4594	468	NS	0	0	NS
	507	89		0	0	
CORNWALL	26251	1223	290	0	0	0
	14070	486	82	0	0	0
POUGHKEEPSIE	767561	13331	NS	0	0	NS
	235207	7788		0	0	
HYDE PARK	1113012	160397	NS	0	0	NS
	300312	37591		0	0	
KINGSTON	431508	119898	NS	0	0	NS
	169450	44110		0	0	
SAUGERTIES	973742	51645	NS	0	0	NS
	243822	33622		0	0	
CATSKILL	195921	11116	NS	0	0	NS
	174023	7663		0	0	
ALBANY	176	282	NS	0	0	NS
	131	207		0	0	
TOTAL STANDING CROP	3513491	358427	330	0	0	0
	513960	67889	91	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	3722	115	221	0	0	0
	1843	115	163	0	0	0
INDIAN POINT	10853	690	939	0	0	0
	2903	346	485	0	0	0
WEST POINT	239726	1814	NS	0	0	NS
	56814	929		0	0	
CORNWALL	247461	22460	13580	0	0	0
	169256	4903	6513	0	0	0
POUGHKEEPSIE	1499596	120590	NS	0	0	NS
	503223	31345		0	0	
HYDE PARK	525467	137882	NS	0	0	NS
	253307	17425		0	0	
KINGSTON	430458	61215	NS	0	0	NS
	44477	37013		0	0	
SAUGERTIES	158868	35142	NS	0	0	NS
	59170	9872		0	0	
CATSKILL	96449	8330	NS	0	0	NS
	78457	858		0	0	
ALBANY	2844	282	NS	0	0	NS
	912	48		0	0	
TOTAL STANDING CROP	3215444	388520	14739	0	0	0
	600766	52719	6533	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	2939	179	29	0	0	0
	1742	179	29	0	0	0
TAPPAN ZEE	8292	10481	12734	0	0	0
	2160	4934	7258	0	0	0
CROTON-HAVERSTRAW	21501	148283	34657	0	0	0
	7295	69057	21473	0	0	0
INDIAN POINT	262304	168306	14368	0	0	0
	28321	30885	6262	0	0	0
WEST POINT	524454	88144	NS	0	0	NS
	68623	22168		0	0	
CORNWALL	257995	135501	75357	0	0	0
	45632	24599	22708	0	0	0
POUGHKEEPSIE	433943	424738	NS	0	0	NS
	67729	59485		0	0	
HYDE PARK	311729	54087	NS	0	0	NS
	47669	8911		0	0	
KINGSTON	91502	36440	NS	0	0	NS
	31357	8553		0	0	
SAUGERTIES	68056	59098	NS	0	0	NS
	32951	25706		0	0	
CATSKILL	94613	42255	NS	0	0	NS
	49981	36048		0	0	
ALBANY	150	0	NS	0	0	NS
	150	0		0	0	
TOTAL STANDING CROP	2077478	1167511	137145	0	0	0
	138134	111781	32690	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	636	385	324	0	0	0
	486	160	324	0	0	0
CROTON-HAVERSTRAW	3525	2044	3421	0	0	0
	1399	819	1353	0	0	0
INDIAN POINT	146994	14912	14477	0	0	0
	14133	2599	1718	0	0	0
WEST POINT	306984	88436	NS	0	0	NS
	38985	16042		0	0	
CORNWALL	188318	153590	15757	0	0	0
	33942	53053	6396	0	0	0
POUGHKEEPSIE	703826	96051	NS	0	0	NS
	135186	19869		0	0	
HYDE PARK	232691	94047	NS	0	0	NS
	51470	4771		0	0	
KINGSTON	138816	154083	NS	0	0	NS
	22554	35249		0	0	
SAUGERTIES	427482	156092	NS	0	0	NS
	97810	11099		0	0	
CATSKILL	386124	100558	NS	0	0	NS
	100478	38541		0	0	
ALBANY	1463	1245	NS	0	0	NS
	417	1035		0	0	
TOTAL STANDING CROP	2536860	861442	33979	0	0	0
	209690	79681	6767	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	186	0	0	0	0	0
	186	0		0	0	
TAPPAN ZEE	0	1868	432	0	0	0
	0	1109	432	0	0	0
CROTON-HAVERSTRAW	6240	3834	3879	0	0	0
	1189	1731	1298	0	0	0
INDIAN POINT	68657	4285	5956	0	0	0
	10914	2150	2678	0	0	0
WEST POINT	129103	26107	NS	0	0	NS
	15883	4920		0	0	
CORNWALL	91711	46725	15329	0	0	0
	16248	8338	7053	0	0	0
POUGHKEEPSIE	449743	121737	NS	0	0	NS
	61678	30895		0	0	
HYDE PARK	185338	37252	NS	0	0	NS
	30675	3535		0	0	
KINGSTON	126451	47108	NS	0	0	NS
	29865	8550		0	0	
SAUGERTIES	353852	104716	NS	0	0	NS
	143245	36084		0	0	
CATSKILL	193020	62049	NS	0	0	NS
	117017	7242		0	0	
ALBANY	2758	2104	NS	0	0	NS
	1714	2104		0	0	
TOTAL STANDING CROP	1607059	457786	25596	0	0	0
	201219	50016	7668	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	28	0	0	0	0
	0	28		0	0	
TAPPAN ZEE	228	0	0	0	0	0
	157	0	0	0	0	0
CROTON-HAVERSTRAW	893	1190	2737	0	0	0
	538	243	1065	0	0	0
INDIAN POINT	8766	2119	1859	0	0	0
	1713	591	662	0	0	0
WEST POINT	24191	4440	NS	229	78	NS
	2516	994		121	41	
CORNWALL	34062	20263	1188	22	10	19
	18494	6584	605	22	10	9
POUGHKEEPSIE	66168	20711	NS	49	0	NS
	12959	5810		49	0	
HYDE PARK	64924	51362	NS	0	42	NS
	5153	12249		0	42	
KINGSTON	42534	140918	NS	0	195	NS
	5466	49453		0	65	
SAUGERTIES	32737	43803	NS	0	0	NS
	13879	14269		0	0	
CATSKILL	15112	3311	NS	0	0	NS
	4611	1553		0	0	
ALBANY	64	130	NS	0	0	NS
	32	71		0	0	
TOTAL STANDING CROP	289679	288277	5785	300	325	19
	28105	53667	1393	133	88	9

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	2884	323	0	0	0	0
	1159	195		0	0	
TAPPAN ZEE	1978	781	2708	0	0	0
	757	287	687	0	0	0
CROTON-HAVERSTRAW	1450	1066	563	0	0	0
	298	382	120	0	0	0
INDIAN POINT	7980	2583	751	102	77	0
	1207	1165	249	55	77	0
WEST POINT	21905	4050	NS	231	11	NS
	2659	1069		103	11	
CORNWALL	48212	24292	4996	24	441	96
	11356	6825	3017	24	309	48
POUGHKEEPSIE	95465	59886	NS	2037	851	NS
	17633	24260		1592	433	
HYDE PARK	76195	27240	NS	1237	396	NS
	16385	5906		627	126	
KINGSTON	46841	17398	NS	274	68	NS
	9830	8861		274	68	
SAUGERTIES	5110	5815	NS	0	0	NS
	2943	971		0	0	
CATSKILL	1469	2605	NS	0	0	NS
	696	545		0	0	
ALBANY	2625	0	NS	0	0	NS
	2576	0		0	0	
TOTAL STANDING CROP	312114	146041	9019	3905	1844	96
	28832	27433	3106	1737	556	48

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	153	0	0	0	0
	0	153		0	0	
TAPPAN ZEE	0	47	132	0	0	0
	0	47	132	0	0	0
CROTON-HAVERSTRAW	35	126	42	0	0	54
	35	64	42	0	0	54
INDIAN POINT	3479	1224	181	0	214	23
	854	993	107	0	214	23
WEST POINT	6910	2823	NS	851	459	NS
	968	329		225	216	
CORNWALL	7379	4642	2563	0	427	82
	1506	1249	1698	0	170	82
POUGHKEEPSIE	37624	9424	NS	2030	202	NS
	6172	2972		977	148	
HYDE PARK	25532	35872	NS	892	4068	NS
	5845	12942		596	1290	
KINGSTON	15981	31329	NS	90	1510	NS
	2872	12331		90	884	
SAUGERTIES	11054	10084	NS	0	35	NS
	3212	3238		0	35	
CATSKILL	22691	4181	NS	0	0	NS
	1544	2452		0	0	
ALBANY	3914	134	NS	0	0	NS
	1350	134		0	0	
TOTAL STANDING CROP	134599	100038	2918	3862	6915	159
	9948	18644	1707	1170	1609	101

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	30	0	0	0	0
	0	30		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	125	0	7	0	0	0
	97	0	7	0	0	0
WEST POINT	3117	547	NS	0	11	NS
	640	294		0	11	
CORNWALL	982	2219	90	0	182	249
	301	803	26	0	99	235
POUGHKEEPSIE	17539	5854	NS	895	550	NS
	2134	3381		528	309	
HYDE PARK	7972	7170	NS	246	902	NS
	1346	2525		171	471	
KINGSTON	8818	6497	NS	491	199	NS
	2162	849		343	87	
SAUGERTIES	16526	3034	NS	0	39	NS
	1865	826		0	39	
CATSKILL	8884	1233	NS	0	0	NS
	6915	635		0	0	
ALBANY	347	0	NS	0	0	NS
	180	0		0	0	
TOTAL STANDING CROP	64310	26584	97	1631	1883	249
	7930	4511	27	653	580	235

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	2908	1704	0	665	286
	0	1898	860	0	329	286
TAPPAN ZEE	0	1634	321	0	3930	116
	0	850	204	0	1453	116
CROTON-HAVERSTRAW	0	2913	834	0	1162	90
	0	2825	542	0	1162	90
INDIAN POINT	2850	3806	15	2162	1351	0
	1249	1367	15	1203	679	0
WEST POINT	4507	923	NS	9039	3393	NS
	1652	582		4279	1232	
CORNWALL	0	391	93	0	3790	199
	0	167	69	0	1410	122
POUGHKEEPSIE	0	254	NS	0	799	NS
	0	186		0	305	
HYDE PARK	74	311	NS	221	242	NS
	74	114		185	149	
KINGSTON	0	0	NS	0	18	NS
	0	0		0	18	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	12	NS	0	0	NS
	0	12		0	0	
TOTAL STANDING CROP	7431	13152	2967	11422	15349	692
	2073	3820	1039	4449	2766	344

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	11198	3061	0	8631	5101
	0	9451	2388	0	6143	3727
TAPPAN ZEE	0	539	117	0	1436	106
	0	215	117	0	694	106
CROTON-HAVERSTRAW	26	631	154	0	1507	100
	26	202	59	0	995	32
INDIAN POINT	9684	1750	0	12917	3011	0
	4482	846	0	3933	1362	0
WEST POINT	754	141	NS	23876	6503	NS
	257	93		6321	5716	
CORNWALL	0	215	0	156	920	0
	0	77	0	156	396	0
POUGHKEEPSIE	325	286	NS	139	0	NS
	325	180		93	0	
HYDE PARK	101	248	NS	102	377	NS
	71	164		74	208	
KINGSTON	0	41	NS	0	143	NS
	0	26		0	78	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	10890	15050	3331	37191	22528	5307
	4502	9497	2391	7447	8599	3729

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	900	38	143	17983	607
	0	607	38	143	7863	607
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	5169	0
	0	0	0	0	4361	0
INDIAN POINT	58	105	0	3198	5426	0
	43	105	0	2173	2687	0
WEST POINT	67	0	NS	23973	22759	NS
	40	0		6702	22626	
CORNWALL	0	0	0	694	1927	0
	0	0	0	694	799	0
POUGHKEEPSIE	0	0	NS	0	766	NS
	0	0		0	385	
HYDE PARK	0	0	NS	131	2072	NS
	0	0		131	976	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	125	1005	38	28139	56102	607
	59	616	38	7082	24531	607

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	223	10619
	0	0	0	0	223	10619
TAPPAN ZEE	0	0	0	0	139	147
	0	0	0	0	47	147
CROTON-HAVERSTRAW	0	0	0	0	9021	32
	0	0	0	0	6763	32
INDIAN POINT	110	32	0	26629	32765	0
	48	21	0	8801	12293	0
WEST POINT	16	0	NS	12407	2092	NS
	16	0		4927	214	
CORNWALL	0	0	0	0	846	0
	0	0	0	0	466	0
POUGHKEEPSIE	0	0	NS	0	124	NS
	0	0		0	124	
HYDE PARK	0	0	NS	245	830	NS
	0	0		245	513	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	126	32	0	39281	46039	10798
	51	21	0	10090	14052	10620

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	16339	1542
	0	0	0	0	12161	817
TAPPAN ZEE	0	0	0	953	11612	0
	0	0	0	571	6914	0
CROTON-HAVERSTRAW	0	0	0	0	5489	0
	0	0	0	0	1367	0
INDIAN POINT	0	0	0	4780	17491	220
	0	0	0	2134	6619	177
WEST POINT	0	0	NS	3457	1168	NS
	0	0		1205	485	
CORNWALL	0	0	0	0	157	0
	0	0	0	0	44	0
POUGHKEEPSIE	0	0	NS	156	402	NS
	0	0		76	113	
HYDE PARK	0	0	NS	0	61	NS
	0	0		0	33	
KINGSTON	0	0	NS	0	56	NS
	0	0		0	33	
SAUGERTIES	0	0	NS	0	49	NS
	0	0		0	30	
CATSKILL	0	0	NS	0	99	NS
	0	0		0	99	
ALBANY	0	0	NS	0	94	NS
	0	0		0	57	
TOTAL STANDING CROP	0	0	0	9345	53017	1762
	0	0	0	2518	15545	836

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	177	5541	469
	0	0	0	177	1717	368
TAPPAN ZEE	0	0	0	123	7292	0
	0	0	0	123	3960	0
CROTON-HAVERSTRAW	0	0	0	0	1148	0
	0	0	0	0	715	0
INDIAN POINT	0	0	0	386	919	0
	0	0	0	183	540	0
WEST POINT	0	0	NS	1805	6325	NS
	0	0		443	4069	
CORNWALL	0	0	0	0	3099	11
	0	0	0	0	1001	11
POUGHKEEPSIE	0	0	NS	30	109	NS
	0	0		30	45	
HYDE PARK	0	0	NS	29	15	NS
	0	0		29	15	
KINGSTON	0	0	NS	0	80	NS
	0	0		0	51	
SAUGERTIES	0	0	NS	0	32	NS
	0	0		0	32	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	28	NS
	0	0		0	28	
TOTAL STANDING CROP	0	0	0	2551	24588	480
	0	0	0	527	6082	368

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	6452	2314
	0	0		0	2141	
TAPPAN ZEE	0	0	0	0	45	0
	0	0	0	0	45	0
CROTON-HAVERSTRAW	0	0	0	0	76	0
	0	0	0	0	56	0
INDIAN POINT	0	0	0	1239	780	9
	0	0	0	820	162	9
WEST POINT	0	0	NS	3938	1236	NS
	0	0		801	389	
CORNWALL	0	0	0	21	699	0
	0	0	0	21	153	0
POUGHKEEPSIE	0	0	NS	45	672	NS
	0	0		45	377	
HYDE PARK	0	0	NS	0	22	NS
	0	0		0	22	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	5243	9983	2322
	0	0	0	1147	2220	9

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	4111	100
	0	0		0	1438	
TAPPAN ZEE	0	0	0	0	6664	0
	0	0	0	0	3371	0
CROTON-HAVERSTRAW	0	0	0	0	6119	133
	0	0	0	0	2250	77
INDIAN POINT	0	0	0	1625	4651	0
	0	0	0	459	928	0
WEST POINT	0	0	NS	557	1149	NS
	0	0		235	566	
CORNWALL	0	0	0	0	513	0
	0	0	0	0	166	0
POUGHKEEPSIE	0	0	NS	0	543	NS
	0	0		0	292	
HYDE PARK	0	0	NS	0	22	NS
	0	0		0	22	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	35	NS
	0	0		0	35	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	2182	23808	233
	0	0	0	516	4448	77

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	138	4098	1400
	0	0		91	1030	
TAPPAN ZEE	0	0	0	709	1646	0
	0	0	0	431	671	0
CROTON-HAVERSTRAW	0	0	0	0	1215	0
	0	0	0	0	164	0
INDIAN POINT	0	0	0	600	2958	10
	0	0	0	252	980	10
WEST POINT	0	0	NS	918	1435	NS
	0	0		202	566	
CORNWALL	0	0	0	0	923	0
	0	0	0	0	185	0
POUGHKEEPSIE	0	0	NS	0	1185	NS
	0	0		0	447	
HYDE PARK	0	0	NS	0	23	NS
	0	0		0	23	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	2365	13484	1410
	0	0	0	546	1748	10

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	16574	473
	0	0		0	4757	
TAPPAN ZEE	0	0	0	584	18344	0
	0	0	0	584	7634	0
CROTON-HAVERSTRAW	0	0	0	0	324	0
	0	0	0	0	145	0
INDIAN POINT	0	0	0	85	2422	23
	0	0	0	85	668	13
WEST POINT	0	0	NS	674	3193	NS
	0	0		233	588	
CORNWALL	0	0	0	67	1090	0
	0	0	0	67	212	0
POUGHKEEPSIE	0	0	NS	47	682	NS
	0	0		47	409	
HYDE PARK	0	0	NS	0	277	NS
	0	0		0	149	
KINGSTON	0	0	NS	0	158	NS
	0	0		0	94	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	166	NS
	0	0		0	166	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	1457	43230	496
	0	0	0	639	9055	13

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	4776	243
	0	0		0	880	
TAPPAN ZEE	0	0	0	0	14432	124
	0	0	0	0	5664	124
CROTON-HAVERSTRAW	0	0	0	0	1448	0
	0	0	0	0	1221	0
INDIAN POINT	0	0	0	31	213	8
	0	0	0	31	130	8
WEST POINT	0	0	NS	2453	3372	NS
	0	0		952	1094	
CORNWALL	0	0	0	22	641	0
	0	0	0	22	112	0
POUGHKEEPSIE	0	0	NS	0	1936	NS
	0	0		0	1061	
HYDE PARK	0	0	NS	0	22	NS
	0	0		0	22	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	16	NS
	0	0		0	16	
TOTAL STANDING CROP	0	0	0	2506	26854	374
	0	0	0	953	6058	124

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	330	20	NS	0	0	NS
	261	20		0	0	
HYDE PARK	2546	0	NS	0	0	NS
	1314	0		0	0	
KINGSTON	831	132	NS	0	0	NS
	323	64		0	0	
SAUGERTIES	2453	96	NS	0	0	NS
	1973	96		0	0	
CATSKILL	11256	1890	NS	0	0	NS
	4651	676		0	0	
ALBANY	5530	892	NS	0	0	NS
	2495	278		0	0	
TOTAL STANDING CROP	22946	3030	0	0	0	0
	5801	740	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	34	0	NS	0	0	NS
	24	0		0	0	
CORNWALL	0	10	0	0	0	0
	0	10	0	0	0	0
POUGHKEEPSIE	661	149	NS	0	0	NS
	397	127		0	0	
HYDE PARK	322	0	NS	0	0	NS
	128	0		0	0	
KINGSTON	8070	660	NS	0	0	NS
	3523	160		0	0	
SAUGERTIES	11724	1201	NS	0	0	NS
	5516	1050		0	0	
CATSKILL	15377	1412	NS	0	0	NS
	2902	541		0	0	
ALBANY	41473	2333	NS	0	0	NS
	21623	352		0	0	
TOTAL STANDING CROP	77661	5766	0	0	0	0
	22782	1249	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	1113	34	NS	0	0	NS
	481	22		0	0	
CORNWALL	507	26	148	0	0	0
	224	17	90	0	0	0
POUGHKEEPSIE	12400	254	NS	0	0	NS
	3650	87		0	0	
HYDE PARK	31139	1131	NS	0	0	NS
	8056	134		0	0	
KINGSTON	13233	2572	NS	0	0	NS
	7015	1134		0	0	
SAUGERTIES	19605	8286	NS	0	0	NS
	6084	3562		0	0	
CATSKILL	6673	19105	NS	0	0	NS
	841	8577		0	0	
ALBANY	1547	39	NS	0	0	NS
	586	39		0	0	
TOTAL STANDING CROP	86216	31448	148	0	0	0
	12876	9358	90	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	45 45	0 0	0 0	0 0
INDIAN POINT	219 119	0 0	47 28	0 0	0 0	0 0
WEST POINT	2035 601	73 42	NS	0 0	0 0	NS
CORNWALL	1548 772	29 19	233 113	0 0	0 0	0 0
POUGHKEEPSIE	13209 2958	492 180	NS	0 0	0 0	NS
HYDE PARK	6119 2083	2512 688	NS	0 0	0 0	NS
KINGSTON	11932 5937	4381 2205	NS	0 0	0 0	NS
SAUGERTIES	59129 25916	3213 468	NS	0 0	0 0	NS
CATSKILL	363760 140900	3949 1096	NS	0 0	0 0	NS
ALBANY	2453 1573	1208 189	NS	0 0	0 0	NS
TOTAL STANDING CROP	460405 143444	15857 2613	325 124	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	79	22	96	0	0	10
	79	22	59	0	0	10
WEST POINT	1224	139	NS	92	54	NS
	684	53		53	54	
CORNWALL	206	394	119	64	0	0
	75	294	36	47	0	0
POUGHKEEPSIE	30968	730	NS	500	56	NS
	9576	324		206	56	
HYDE PARK	23386	368	NS	91	0	NS
	6218	266		60	0	
KINGSTON	16978	1620	NS	349	61	NS
	4330	524		211	35	
SAUGERTIES	35046	7682	NS	0	80	NS
	24109	3116		0	46	
CATSKILL	25477	58187	NS	0	964	NS
	17330	5394		0	815	
ALBANY	4627	2212	NS	0	16	NS
	1241	2074		0	16	
TOTAL STANDING CROP	137992	71354	215	1097	1230	10
	32136	6607	69	309	821	10

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	39	26	0
	0	0	0	39	26	0
INDIAN POINT	202	0	184	255	0	236
	115	0	129	161	0	139
WEST POINT	990	164	NS	514	120	NS
	226	48		165	53	
CORNWALL	2436	256	176	388	149	18
	1083	78	92	181	58	9
POUGHKEEPSIE	3915	840	NS	230	186	NS
	1981	764		184	186	
HYDE PARK	8819	1748	NS	318	43	NS
	1928	602		213	26	
KINGSTON	5248	14429	NS	89	472	NS
	1304	3829		89	204	
SAUGERTIES	17004	24347	NS	343	430	NS
	9054	10196		343	249	
CATSKILL	42024	4602	NS	88	983	NS
	14017	1600		88	830	
ALBANY	66	508	NS	0	113	NS
	33	169		0	44	
TOTAL STANDING CROP	80704	46894	360	2264	2521	254
	17001	11053	158	547	915	140

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	66	0	10
	0	0	0	46	0	10
WEST POINT	46	0	NS	257	34	NS
	32	0		88	17	
CORNWALL	681	96	9	352	222	25
	357	43	9	212	108	14
POUGHKEEPSIE	4550	164	NS	656	32	NS
	2294	97		302	32	
HYDE PARK	4961	551	NS	1363	117	NS
	2346	180		561	53	
KINGSTON	22855	1353	NS	647	828	NS
	4555	944		298	698	
SAUGERTIES	33264	13571	NS	516	1564	NS
	13040	900		155	735	
CATSKILL	1800	15679	NS	0	2391	NS
	390	5447		0	908	
ALBANY	101	373	NS	0	324	NS
	60	177		0	172	
TOTAL STANDING CROP	68258	31786	9	3857	5513	35
	14207	5607	9	758	1378	17

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	71	0
	0	0	0	0	53	0
INDIAN POINT	0	0	11	199	106	444
	0	0	11	120	78	414
WEST POINT	164	49	NS	641	172	NS
	67	37		193	112	
CORNWALL	71	56	158	624	389	292
	51	20	73	333	110	151
POUGHKEEPSIE	1796	383	NS	4702	1629	NS
	659	144		1749	642	
HYDE PARK	5180	565	NS	8563	160	NS
	1437	536		2440	76	
KINGSTON	2567	1117	NS	2119	2645	NS
	512	783		674	881	
SAUGERTIES	13785	5182	NS	361	4115	NS
	9029	744		5	921	
CATSKILL	11581	15034	NS	93	5920	NS
	3921	8763		93	1882	
ALBANY	6606	3860	NS	33	397	NS
	2234	1381		33	210	
TOTAL STANDING CROP	41751	26245	169	17336	15602	736
	10230	8954	73	3105	2379	440

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	20 20	48 48
INDIAN POINT	0 0	0 0	0 0	64 44	0 0	7 7
WEST POINT	131 131	0 0	NS	217 77	95 47	NS
CORNWALL	0 0	0 0	0 0	87 49	428 135	395 342
POUGHKEEPSIE	449 171	564 387	NS	801 300	2442 1043	NS
HYDE PARK	223 97	47 47	NS	1348 795	338 107	NS
KINGSTON	491 208	0 0	NS	1821 1091	3685 745	NS
SAUGERTIES	3393 2686	4051 2531	NS	179 179	7221 2383	NS
CATSKILL	7302 1094	4352 1306	NS	181 181	5426 1346	NS
ALBANY	969 92	752 156	NS	0 0	540 540	NS
TOTAL STANDING CROP	12958 2918	9765 2879	0 0	4699 1410	20196 3075	450 345

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	187	0	0	0	0	0
	78	0	0	0	0	0
WEST POINT	271	0	NS	0	0	NS
	161	0		0	0	
CORNWALL	1227	0	48	0	0	0
	476	0	37	0	0	0
POUGHKEEPSIE	940	101	NS	0	0	NS
	524	44		0	0	
HYDE PARK	37	23	NS	0	0	NS
	37	15		0	0	
KINGSTON	115	0	NS	0	0	NS
	55	0		0	0	
SAUGERTIES	3544	50	NS	0	0	NS
	3378	50		0	0	
CATSKILL	585	0	NS	0	0	NS
	459	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	6907	174	48	0	0	0
	3487	68	37	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	29	0	0	0	0	0
	29	0	0	0	0	0
INDIAN POINT	169	84	0	0	0	0
	46	84	0	0	0	0
WEST POINT	919	143	NS	0	0	NS
	209	69		0	0	
CORNWALL	1707	148	87	0	0	0
	957	72	64	0	0	0
POUGHKEEPSIE	3343	276	NS	0	0	NS
	2129	234		0	0	
HYDE PARK	7191	460	NS	0	0	NS
	2229	141		0	0	
KINGSTON	16615	11808	NS	0	0	NS
	5909	6995		0	0	
SAUGERTIES	126841	11316	NS	0	0	NS
	52161	4753		0	0	
CATSKILL	310375	7269	NS	0	0	NS
	172247	4882		0	0	
ALBANY	10291	2256	NS	0	0	NS
	9545	1990		0	0	
TOTAL STANDING CROP	477480	33759	87	0	0	0
	180350	9970	64	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	25	0	0	0	0	0
	25	0	0	0	0	0
INDIAN POINT	340	0	9	0	0	0
	108	0	9	0	0	0
WEST POINT	4173	1420	NS	0	0	NS
	1317	588		0	0	
CORNWALL	5528	569	510	0	0	0
	2117	219	465	0	0	0
POUGHKEEPSIE	32483	808	NS	0	0	NS
	9839	522		0	0	
HYDE PARK	324891	7622	NS	0	0	NS
	160978	2931		0	0	
KINGSTON	362882	7308	NS	0	0	NS
	142358	1964		0	0	
SAUGERTIES	854915	31748	NS	0	0	NS
	348743	14094		0	0	
CATSKILL	1140671	40809	NS	0	0	NS
	404051	16222		0	0	
ALBANY	43089	6318	NS	0	0	NS
	16093	1788		0	0	
TOTAL STANDING CROP	2768996	96602	519	0	0	0
	575691	21866	466	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	66	0	0	0	0	0
	42	0	0	0	0	0
INDIAN POINT	169	17	9	0	0	0
	71	17	9	0	0	0
WEST POINT	3732	1452	NS	0	0	NS
	1239	803		0	0	
CORNWALL	11862	986	1460	0	0	0
	6555	293	736	0	0	0
POUGHKEEPSIE	117647	851	NS	0	0	NS
	18807	322		0	0	
HYDE PARK	284878	9686	NS	0	0	NS
	92516	2322		0	0	
KINGSTON	1545126	32710	NS	0	0	NS
	289081	15891		0	0	
SAUGERTIES	3590062	122278	NS	0	0	NS
	934340	40959		0	0	
CATSKILL	1344557	79529	NS	0	0	NS
	1192446	38445		0	0	
ALBANY	96745	2129	NS	0	0	NS
	29992	420		0	0	
TOTAL STANDING CROP	6994844	249638	1470	0	0	0
	1545426	58435	736	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	547	0	140	0	0	0
	434	0	140	0	0	0
CROTON-HAVERSTRAW	1121	13126	694	0	0	0
	675	8324	489	0	0	0
INDIAN POINT	126112	138375	9246	92	0	0
	34226	39509	7821	92	0	0
WEST POINT	175164	39105	NS	0	0	NS
	41678	8287		0	0	
CORNWALL	191568	143509	54965	0	0	0
	57360	43883	13360	0	0	0
POUGHKEEPSIE	923383	388580	NS	0	0	NS
	198634	76677		0	0	
HYDE PARK	1064364	221328	NS	0	0	NS
	173538	27423		0	0	
KINGSTON	617533	145033	NS	0	0	NS
	162826	62700		0	0	
SAUGERTIES	9941	365741	NS	0	0	NS
	5581	119543		0	0	
CATSKILL	202609	5924	NS	0	0	NS
	191700	2809		0	0	
ALBANY	26989	99	NS	0	0	NS
	20700	79		0	0	
TOTAL STANDING CROP	3339330	1460821	65044	92	0	0
	373485	168778	15489	92	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	36	0	0	0
	0	0	36	0	0	0
TAPPAN ZEE	123	0	0	0	0	0
	123	0	0	0	0	0
CROTON-HAVERSTRAW	203	429	584	0	0	0
	149	244	196	0	0	0
INDIAN POINT	19643	4758	2145	0	0	0
	5274	1144	397	0	0	0
WEST POINT	149051	44770	NS	122	0	NS
	31869	7673		122	0	
CORNWALL	374927	65450	48114	0	0	0
	135629	15286	9219	0	0	0
POUGHKEEPSIE	1082419	204496	NS	0	0	NS
	81877	37284		0	0	
HYDE PARK	397446	243015	NS	0	0	NS
	49158	32687		0	0	
KINGSTON	417420	271088	NS	0	0	NS
	107343	25263		0	0	
SAUGERTIES	962829	295703	NS	0	0	NS
	147708	28800		0	0	
CATSKILL	569335	249871	NS	0	0	NS
	515858	59919		0	0	
ALBANY	44834	66297	NS	0	0	NS
	7734	38487		0	0	
TOTAL STANDING CROP	4018230	1445877	50879	122	0	0
	572773	96393	9230	122	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	45	288	0	0	0
	0	45	288	0	0	0
CROTON-HAVERSTRAW	360	95	0	0	0	0
	119	36	0	0	0	0
INDIAN POINT	27851	10102	3416	0	0	0
	9072	10020	1843	0	0	0
WEST POINT	215618	23428	NS	0	0	NS
	75165	10701		0	0	
CORNWALL	52890	28844	29185	23	0	0
	18460	7086	5320	23	0	0
POUGHKEEPSIE	393977	57542	NS	146	0	NS
	54561	17499		107	0	
HYDE PARK	273715	41872	NS	46	0	NS
	58255	4430		46	0	
KINGSTON	266941	56775	NS	0	169	NS
	73951	21407		0	48	
SAUGERTIES	511059	98395	NS	0	146	NS
	187487	35468		0	146	
CATSKILL	465093	205996	NS	0	50	NS
	361302	191188		0	50	
ALBANY	22220	47880	NS	0	16	NS
	18461	37502		0	16	
TOTAL STANDING CROP	2229725	570974	32889	214	380	0
	428887	200665	5638	118	162	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	75	133	0	0	0
	0	52	77	0	0	0
INDIAN POINT	1079	0	651	0	0	74
	751	0	520	0	0	50
WEST POINT	12252	3072	NS	363	123	NS
	2160	928		93	32	
CORNWALL	33401	6940	8598	111	207	47
	10608	1374	5717	52	54	47
POUGHKEEPSIE	83496	23914	NS	0	168	NS
	16238	8499		0	85	
HYDE PARK	62358	54643	NS	516	257	NS
	5094	18137		205	134	
KINGSTON	42281	168350	NS	190	3025	NS
	9561	33911		92	529	
SAUGERTIES	56736	140774	NS	171	923	NS
	16621	72867		171	163	
CATSKILL	158504	69460	NS	0	2360	NS
	54653	23709		0	1970	
ALBANY	1292	15114	NS	32	209	NS
	1003	6645		32	45	
TOTAL STANDING CROP	451399	482342	9383	1384	7272	121
	61344	86428	5741	304	2054	68

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	9	34	0	0
	0	0	9	34	0	0
WEST POINT	1016	154	NS	81	11	NS
	412	51		38	11	
CORNWALL	17840	5599	446	353	1667	35
	3384	1687	160	169	602	18
POUGHKEEPSIE	101831	34772	NS	7948	291	NS
	17813	7052		6457	136	
HYDE PARK	117644	12894	NS	9200	2364	NS
	33437	4208		5410	878	
KINGSTON	100677	57174	NS	2078	2439	NS
	22014	17360		1407	515	
SAUGERTIES	16230	13505	NS	2683	9526	NS
	1466	4495		2012	1449	
CATSKILL	12498	30545	NS	280	3331	NS
	1816	12269		165	1612	
ALBANY	1373	9346	NS	0	330	NS
	1271	2907		0	141	
TOTAL STANDING CROP	369108	163989	455	22658	19960	35
	44030	23470	160	8778	2477	18

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	37	22	102
	0	0	0	37	22	102
WEST POINT	206	73	NS	64	24	NS
	104	73		47	24	
CORNWALL	535	196	566	851	411	315
	227	63	259	353	175	135
POUGHKEEPSIE	18348	4276	NS	11997	9073	NS
	2692	1308		2765	2423	
HYDE PARK	33086	32100	NS	24104	4410	NS
	6028	10800		6801	1178	
KINGSTON	40279	49163	NS	10530	12194	NS
	2376	7826		3874	2772	
SAUGERTIES	93443	33440	NS	2561	11227	NS
	36052	4012		2561	2886	
CATSKILL	98061	17593	NS	0	8455	NS
	10945	10797		0	5199	
ALBANY	12989	1977	NS	33	473	NS
	2861	1215		33	219	
TOTAL STANDING CROP	296947	138818	566	50177	46290	417
	38432	17713	259	8694	7098	169

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	24	12	0	23	686	129
	24	12	0	23	374	129
POUGHKEEPSIE	7331	1106	NS	5386	1840	NS
	1642	827		1939	617	
HYDE PARK	5674	966	NS	302	138	NS
	2066	429		120	68	
KINGSTON	6237	728	NS	943	13199	NS
	1153	69		485	5640	
SAUGERTIES	70749	6690	NS	0	10812	NS
	3878	2065		0	1896	
CATSKILL	10021	12814	NS	0	3898	NS
	3098	2611		0	1156	
ALBANY	415	1903	NS	0	238	NS
	55	995		0	238	
TOTAL STANDING CROP	100450	24219	0	6654	30811	129
	5739	3598	0	2003	6109	129

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	22	11	0
	0	0	0	22	11	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	46	100	NS
	0	0		46	33	
SAUGERTIES	0	0	NS	181	376	NS
	0	0		181	93	
CATSKILL	0	0	NS	0	107	NS
	0	0		0	107	
ALBANY	0	0	NS	0	44	NS
	0	0		0	44	
TOTAL STANDING CROP	0	0	0	248	638	0
	0	0	0	188	152	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	45
	0	0	0	0	0	45
WEST POINT	0	0	NS	63	56	NS
	0	0		35	43	
CORNWALL	0	0	0	250	250	42
	0	0	0	129	99	29
POUGHKEEPSIE	0	0	NS	1391	1682	NS
	0	0		554	551	
HYDE PARK	0	0	NS	4767	272	NS
	0	0		1727	141	
KINGSTON	0	0	NS	194	1624	NS
	0	0		149	468	
SAUGERTIES	0	0	NS	732	4100	NS
	0	0		732	2060	
CATSKILL	0	0	NS	0	3240	NS
	0	0		0	2129	
ALBANY	0	0	NS	0	17	NS
	0	0		0	17	
TOTAL STANDING CROP	0	0	0	7397	11240	87
	0	0	0	1966	3055	54

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	11	NS
	0	0		0	11	
CORNWALL	0	0	0	23	2047	46
	0	0	0	23	621	46
POUGHKEEPSIE	0	0	NS	708	2182	NS
	0	0		463	1118	
HYDE PARK	0	0	NS	912	767	NS
	0	0		325	173	
KINGSTON	0	0	NS	798	9180	NS
	0	0		639	3955	
SAUGERTIES	0	0	NS	354	11622	NS
	0	0		354	3253	
CATSKILL	0	0	NS	0	4763	NS
	0	0		0	3548	
ALBANY	0	0	NS	0	413	NS
	0	0		0	413	
TOTAL STANDING CROP	0	0	0	2795	30985	46
	0	0	0	924	6376	46

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	49 49	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	49 49	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	69	11	0
	0	0	0	69	11	0
POUGHKEEPSIE	0	0	NS	0	62	NS
	0	0		0	40	
HYDE PARK	0	0	NS	298	160	NS
	0	0		140	106	
KINGSTON	0	0	NS	469	810	NS
	0	0		229	241	
SAUGERTIES	0	0	NS	168	827	NS
	0	0		168	205	
CATSKILL	0	0	NS	0	155	NS
	0	0		0	93	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	1003	2025	0
	0	0	0	324	348	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	72	36	NS
	0	0		40	36	
CORNWALL	0	0	0	496	108	332
	0	0	0	421	45	179
POUGHKEEPSIE	0	0	NS	508	379	NS
	0	0		171	173	
HYDE PARK	0	0	NS	1116	1386	NS
	0	0		474	865	
KINGSTON	0	0	NS	979	1683	NS
	0	0		279	534	
SAUGERTIES	0	0	NS	0	6769	NS
	0	0		0	1351	
CATSKILL	0	0	NS	183	378	NS
	0	0		92	242	
ALBANY	0	0	NS	0	19	NS
	0	0		0	19	
TOTAL STANDING CROP	0	0	0	3355	10759	332
	0	0	0	721	1718	179

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	24 24	46 26	64 64
POUGHKEEPSIE	0 0	0 0	NS	46 46	175 141	NS
HYDE PARK	0 0	0 0	NS	293 134	23 23	NS
KINGSTON	0 0	0 0	NS	243 158	1389 302	NS
SAUGERTIES	0 0	0 0	NS	177 177	2205 757	NS
CATSKILL	0 0	0 0	NS	0 0	1283 973	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	783 278	5122 1277	64 64

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	24 24	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	24 24	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	3232	1314	62	0	0	0
	1765	1314	62	0	0	0
TAPPAN ZEE	0	0	324	0	0	0
	0	0	324	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	3232	1314	386	0	0	0
	1765	1314	330	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	56911	23431	463	0	0	0
	10623	9048		0	0	
TAPPAN ZEE	9129	452	5901	0	0	0
	6318	102	2231	0	0	0
CROTON-HAVERSTRAW	0	39	0	0	0	0
	0	25	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	66039	23923	6364	0	0	0
	12360	9049	2231	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	36074	87308	2291	0	0	0
	7414	27891		0	0	
TAPPAN ZEE	26435	40920	29872	0	0	0
	10032	13054	8496	0	0	0
CROTON-HAVERSTRAW	3391	6495	2031	0	0	0
	1357	2938	687	0	0	0
INDIAN POINT	3861	377	71	0	0	0
	1128	123	47	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	69761	135101	34265	0	0	0
	12599	30935	8524	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	54576	79562	25713	0	0	0
	14396	30627		0	0	
TAPPAN ZEE	25162	7613	9711	0	0	0
	9419	3157	2709	0	0	0
CROTON-HAVERSTRAW	13696	4459	7712	0	0	0
	5244	1339	1285	0	0	0
INDIAN POINT	30	0	0	0	0	0
	30	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	93464	91633	43136	0	0	0
	17985	30818	2998	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	31326	79273	47483	0	33	0
	6879	16603		0	33	
TAPPAN ZEE	57053	31142	130298	0	0	0
	22340	12304	75737	0	0	0
CROTON-HAVERSTRAW	22593	24923	25498	0	0	0
	3318	5062	9078	0	0	0
INDIAN POINT	22371	15763	3162	0	0	0
	4428	5112	1329	0	0	0
WEST POINT	4863	513	NS	0	0	NS
	1692	323		0	0	
CORNWALL	141	89	9	0	0	0
	65	38	9	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	138346	151702	206450	0	33	0
	24081	21884	76291	0	33	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	126927	9990	6073	0	27	0
	20312	3071		0	27	
TAPPAN ZEE	86826	27254	53814	0	0	0
	30032	906	17224	0	0	0
CROTON-HAVERSTRAW	50816	33372	49609	0	0	0
	9501	19167	11036	0	0	0
INDIAN POINT	196897	88739	10942	0	0	0
	26620	33905	5038	0	0	0
WEST POINT	3580	327	NS	0	11	NS
	776	95		0	11	
CORNWALL	1655	475	192	0	0	0
	363	189	70	0	0	0
POUGHKEEPSIE	5592	402	NS	0	0	NS
	1275	180		0	0	
HYDE PARK	508	0	NS	0	0	NS
	204	0		0	0	
KINGSTON	247	0	NS	0	0	NS
	119	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	473048	160558	120629	0	38	0
	45998	39080	21068	0	29	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	26	0	0	0	0
	0	26		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	26	0	0	0	0
	0	26	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	140	0	0	0	0
	0	93	0	0	0	0
CROTON-HAVERSTRAW	0	18	0	0	0	0
	0	18	0	0	0	0
INDIAN POINT	32	0	0	0	0	0
	32	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	32	157	0	0	0	0
	32	95	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	165	27	0	0	0	0
	120	27		0	0	
TAPPAN ZEE	0	131	130	0	0	0
	0	131	130	0	0	0
CROTON-HAVERSTRAW	0	73	0	0	0	0
	0	54	0	0	0	0
INDIAN POINT	223	70	16	0	0	0
	93	29	16	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	388	301	145	0	0	0
	152	147	131	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	0	0	0
	0	0	0	0	0	0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	34 34	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	34 34	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	9 9
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	9 9

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29APR86 TO 02MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 05MAY86 TO 09MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 12MAY86 TO 16MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 19MAY86 TO 23MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27MAY86 TO 31MAY86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 02JUN86 TO 05JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 09JUN86 TO 12JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 16JUN86 TO 19JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 23JUN86 TO 27JUN86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 30JUN86 TO 03JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1986 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 07JUL86 TO 10JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

APPENDIX J.2

1986 FALL SHOALS & BEACH SEINE SURVEYS

J.2.1 Young-of-Year and Yearling and Older

Striped bass
White perch
Atlantic tomcod
American shad
Blueback herring
Alewife
Bay anchovy
Weakfish
White catfish
Spottail shiner
Atlantic sturgeon
Shortnose sturgeon

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	3	0	0	3	0
	0	0	0	3	0	0	3	0
TAPPAN ZEE	0	0	34	112	0	12	10	4
	0	0	17	43	0	8	7	3
CROTON-HAVERSTRAW	0	29	240	181	0	3	54	6
	0	15	50	89	0	3	19	4
INDIAN POINT	0	5	11	65	0	0	0	0
	0	5	5	29	0	0	0	0
WEST POINT	0	8	NS	11	0	0	NS	0
	0	8		4	0	0		0
CORNWALL	0	15	12	186	0	0	0	2
	0	10	2	75	0	0	0	2
POUGHKEEPSIE	201	0	NS	4	0	0	NS	0
	201	0		4	0	0		0
HYDE PARK	0	0	NS	1	0	0	NS	1
	0	0		<0.5	0	0		1
KINGSTON	45	6	NS	21	0	0	NS	2
	45	4		9	0	0		2
SAUGERTIES	200	9	NS	99	0	0	NS	6
	149	5		41	0	0		4
CATSKILL	0	1	NS	6	0	2	NS	0
	0	1		3	0	2		0
ALBANY	0	0	NS	3	0	0	NS	0
	0	0		3	0	0		0
TOTAL STANDING CROP	445	72	296	691	0	17	67	20
	254	21	53	134	0	8	21	7

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	28	184	0	0	14	4
	0	0	20	57	0	0	14	4
CROTON-HAVERSTRAW	0	49	199	64	0	0	8	2
	0	23	69	18	0	0	6	2
INDIAN POINT	0	25	47	11	0	0	2	0
	0	17	32	7	0	0	2	0
WEST POINT	0	10	NS	4	0	0	NS	0
	0	7		2	0	0		0
CORNWALL	0	4	21	43	0	0	0	0
	0	4	14	23	0	0	0	0
POUGHKEEPSIE	0	0	NS	6	0	0	NS	6
	0	0		3	0	0		6
HYDE PARK	0	0	NS	1	0	0	NS	<0.5
	0	0		1	0	0		<0.5
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	14	NS	47	0	0	NS	0
	0	6		24	0	0		0
CATSKILL	0	5	NS	14	0	0	NS	0
	0	4		8	0	0		0
ALBANY	0	3	NS	0	0	0	NS	0
	0	2		0	0	0		0
TOTAL STANDING CROP	0	114	295	372	0	0	24	12
	0	31	80	69	0	0	16	7

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	6	0	0	0	0
	0	0	0	4	0	0	0	0
TAPPAN ZEE	0	7	66	51	0	0	29	0
	0	7	32	13	0	0	15	0
CROTON-HAVERSTRAW	0	42	32	69	0	0	21	0
	0	17	9	31	0	0	10	0
INDIAN POINT	0	20	11	17	0	0	0	0
	0	14	6	6	0	0	0	0
WEST POINT	0	20	NS	2	0	0	NS	0
	0	12		2	0	0		0
CORNWALL	0	9	2	4	0	0	3	0
	0	9	1	4	0	0	3	0
POUGHKEEPSIE	0	16	NS	6	0	0	NS	1
	0	16		3	0	0		1
HYDE PARK	0	4	NS	1	0	0	NS	0
	0	4		1	0	0		0
KINGSTON	0	7	NS	2	0	0	NS	0
	0	7		2	0	0		0
SAUGERTIES	0	10	NS	2	0	0	NS	0
	0	6		2	0	0		0
CATSKILL	0	0	NS	4	38	2	NS	2
	0	0		3	38	2		2
ALBANY	0	0	NS	2	0	0	NS	2
	0	0		2	0	0		2
TOTAL STANDING CROP	0	134	111	165	38	2	53	5
	0	34	34	35	38	2	18	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	383	93	0	14	46	2
	0	0	122	31	0	14	18	2
CROTON-HAVERSTRAW	0	0	171	319	0	0	14	0
	0	0	48	102	0	0	7	0
INDIAN POINT	0	77	58	70	0	0	0	0
	0	31	41	20	0	0	0	0
WEST POINT	0	3	NS	4	0	0	NS	9
	0	3		3	0	0		9
CORNWALL	0	8	11	9	0	0	1	2
	0	8	5	3	0	0	1	2
POUGHKEEPSIE	0	0	NS	16	0	7	NS	3
	0	0		8	0	7		3
HYDE PARK	0	3	NS	<0.5	0	0	NS	0
	0	3		<0.5	0	0		0
KINGSTON	0	5	NS	5	0	0	NS	0
	0	5		3	0	0		0
SAUGERTIES	0	37	NS	6	0	2	NS	8
	0	26		4	0	2		5
CATSKILL	0	0	NS	14	0	7	NS	0
	0	0		7	0	4		0
ALBANY	0	0	NS	4	18	0	NS	0
	0	0		3	18	0		0
TOTAL STANDING CROP	0	133	623	539	18	30	60	23
	0	42	137	109	18	16	19	11

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	7	0	0	9	4	0
	0	0	7	0	0	9	4	0
TAPPAN ZEE	0	155	197	98	0	7	21	4
	0	69	47	41	0	7	14	4
CROTON-HAVERSTRAW	0	30	487	267	0	10	39	4
	0	14	95	111	0	5	14	3
INDIAN POINT	0	44	102	98	0	0	2	2
	0	20	49	45	0	0	2	2
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	1	0	0	0	0	4
	0	0	1	0	0	0	0	4
POUGHKEEPSIE	0	0	NS	43	0	0	NS	11
	0	0		8	0	0		7
HYDE PARK	0	0	NS	<0.5	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	0	2	NS	19	0	0	NS	0
	0	2		13	0	0		0
SAUGERTIES	0	2	NS	2	0	0	NS	4
	0	2		2	0	0		3
CATSKILL	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		2
ALBANY	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
TOTAL STANDING CROP	0	233	795	529	0	26	65	30
	0	74	117	128	0	13	20	10

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	8	228	45	0	0	4	4
	0	8	77	12	0	0	4	3
CROTON-HAVERSTRAW	0	4	201	138	0	0	0	2
	0	4	48	33	0	0	0	2
INDIAN POINT	0	0	76	13	0	0	0	0
	0	0	40	11	0	0	0	0
WEST POINT	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	0	2	5	0	0	1	0
	0	0	2	4	0	0	1	0
POUGHKEEPSIE	0	0	NS	1	0	7	NS	0
	0	0		1	0	7		0
HYDE PARK	86	0	NS	<0.5	0	0	NS	0
	86	0		<0.5	0	0		0
KINGSTON	0	3	NS	2	0	0	NS	0
	0	3		2	0	0		0
SAUGERTIES	0	4	NS	2	0	2	NS	2
	0	3		2	0	2		2
CATSKILL	0	0	NS	16	0	0	NS	0
	0	0		11	0	0		0
ALBANY	0	0	NS	0	0	1	NS	0
	0	0		0	0	1		0
TOTAL STANDING CROP	86	18	508	224	0	10	5	8
	86	10	99	38	0	8	4	4

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	3	3
	0	0	0	0	0	0	3	3
TAPPAN ZEE	0	0	244	44	0	0	42	9
	0	0	116	36	0	0	14	5
CROTON-HAVERSTRAW	0	25	408	69	0	0	25	0
	0	13	75	30	0	0	8	0
INDIAN POINT	0	11	47	7	0	5	6	0
	0	11	18	3	0	5	6	0
WEST POINT	0	0	NS	2	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	0	2	25	0	0	1	4
	0	0	1	13	0	0	1	2
POUGHKEEPSIE	0	0	NS	3	0	0	NS	1
	0	0		2	0	0		1
HYDE PARK	0	0	NS	<0.5	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	0	2	NS	0	0	3	NS	2
	0	2		0	0	3		2
SAUGERTIES	0	12	NS	2	0	0	NS	8
	0	5		2	0	0		8
CATSKILL	42	0	NS	2	0	0	NS	0
	42	0		2	0	0		0
ALBANY	0	0	NS	0	0	4	NS	0
	0	0		0	0	4		0
TOTAL STANDING CROP	42	50	701	154	0	13	78	27
	42	18	139	49	0	7	18	10

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	21	0	0	0	7	0
	0	0	11	0	0	0	5	0
TAPPAN ZEE	0	34	733	13	0	0	58	2
	0	22	199	7	0	0	20	2
CROTON-HAVERSTRAW	0	60	557	127	0	14	28	4
	0	38	86	43	0	5	10	4
INDIAN POINT	0	17	118	37	0	6	12	0
	0	7	24	14	0	6	7	0
WEST POINT	0	0	NS	1	0	0	NS	1
	0	0		1	0	0		1
CORNWALL	0	4	2	0	0	4	4	5
	0	4	1	0	0	4	4	5
POUGHKEEPSIE	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	2	NS	2	0	0	NS	0
	0	2		2	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		2
CATSKILL	0	2	NS	0	0	0	NS	2
	0	2		0	0	0		2
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	119	1432	181	0	24	108	16
	0	45	219	46	0	9	24	7

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	7	0	0	0	16	0
	0	0	5	0	0	0	11	0
TAPPAN ZEE	0	10	449	15	0	6	41	13
	0	10	132	7	0	6	13	5
CROTON-HAVERSTRAW	0	6	349	102	0	0	46	0
	0	4	69	39	0	0	11	0
INDIAN POINT	0	0	0	24	0	0	0	0
	0	0	0	2	0	0	0	0
WEST POINT	0	0	NS	1	0	0	NS	1
	0	0		1	0	0		1
CORNWALL	0	0	0	0	0	0	2	5
	0	0	0	0	0	0	2	4
POUGHKEEPSIE	0	0	NS	11	0	0	NS	9
	0	0		8	0	0		7
HYDE PARK	0	0	NS	<0.5	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	0	0	NS	5	0	0	NS	0
	0	0		2	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		2
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	17	805	158	0	6	106	30
	0	11	149	41	0	6	20	10

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	41	9	6	0	0	3	0
	0	20	4	4	0	0	3	0
TAPPAN ZEE	204	0	18	49	0	0	12	0
	102	0	8	19	0	0	9	0
CROTON-HAVERSTRAW	0	28	18	77	0	9	13	2
	0	14	10	27	0	4	11	2
INDIAN POINT	0	0	0	7	0	0	2	7
	0	0	0	7	0	0	2	7
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	204	72	46	139	0	9	30	9
	102	25	13	34	0	4	15	8

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	10	2	0	0	0	2
	0	0	10	2	0	0	0	2
TAPPAN ZEE	0	7	10	184	0	738	4131	524
	0	7	7	52	0	247	719	129
CROTON-HAVERSTRAW	0	0	3	113	0	877	3520	1066
	0	0	3	68	0	154	954	806
INDIAN POINT	0	0	2	50	0	27	68	217
	0	0	2	25	0	21	39	125
WEST POINT	335	59	NS	40	488	249	NS	30
	168	16		33	488	82		10
CORNWALL	174	64	652	309	0	559	295	41
	174	31	379	114	0	189	119	27
POUGHKEEPSIE	197	68	NS	268	871	422	NS	31
	197	31		147	601	101		28
HYDE PARK	835	43	NS	10	273	310	NS	<0.5
	589	29		6	273	110		<0.5
KINGSTON	1228	108	NS	14	981	270	NS	96
	600	38		9	933	62		60
SAUGERTIES	102	129	NS	170	0	718	NS	464
	65	80		74	0	149		153
CATSKILL	0	3	NS	152	37	234	NS	293
	0	2		120	37	69		144
ALBANY	18	0	NS	0	22	134	NS	0
	18	0		0	22	58		0
TOTAL STANDING CROP	2888	481	676	1311	2673	4537	8013	2765
	899	104	379	252	1244	429	1201	855

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	12	6
	0	0	0	0	0	0	8	6
TAPPAN ZEE	0	0	35	335	0	303	1908	594
	0	0	18	143	0	170	614	189
CROTON-HAVERSTRAW	0	15	19	62	0	251	642	449
	0	6	7	23	0	114	211	312
INDIAN POINT	0	20	34	35	0	115	117	74
	0	17	20	21	0	70	51	32
WEST POINT	0	111	NS	41	0	33	NS	7
	0	69		24	0	21		4
CORNWALL	0	386	203	12	0	441	87	71
	0	106	130	3	0	69	40	24
POUGHKEEPSIE	0	106	NS	138	0	448	NS	9
	0	41		55	0	140		9
HYDE PARK	353	329	NS	35	981	250	NS	8
	206	111		12	586	47		3
KINGSTON	0	97	NS	0	297	621	NS	24
	0	55		0	170	177		10
SAUGERTIES	0	87	NS	298	0	483	NS	158
	0	35		148	0	124		42
CATSKILL	0	9	NS	449	0	261	NS	348
	0	4		297	0	92		126
ALBANY	0	0	NS	0	18	44	NS	14
	0	0		0	18	18		14
TOTAL STANDING CROP	353	1161	291	1405	1296	3249	2766	1762
	206	186	133	368	611	360	653	391

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	2	0	31	38	0
	0	0	0	2	0	31	16	0
TAPPAN ZEE	0	7	15	290	0	352	2759	420
	0	7	7	110	0	124	396	158
CROTON-HAVERSTRAW	0	7	16	188	0	106	2625	33
	0	5	8	57	0	47	829	14
INDIAN POINT	0	4	19	214	0	59	116	50
	0	4	13	146	0	22	39	29
WEST POINT	0	61	NS	15	150	19	NS	8
	0	43		13	150	9		7
CORNWALL	0	476	75	16	0	557	298	12
	0	119	42	14	0	346	145	12
POUGHKEEPSIE	0	525	NS	67	210	1464	NS	7
	0	151		41	210	375		7
HYDE PARK	0	127	NS	32	90	196	NS	3
	0	25		27	90	54		1
KINGSTON	0	46	NS	3	129	622	NS	3
	0	20		3	87	135		2
SAUGERTIES	0	48	NS	117	336	466	NS	64
	0	11		58	214	110		30
CATSKILL	0	2	NS	51	0	287	NS	201
	0	2		26	0	72		128
ALBANY	0	0	NS	4	0	177	NS	45
	0	0		4	0	75		24
TOTAL STANDING CROP	0	1304	125	999	915	4335	5836	847
	0	200	46	209	358	569	931	210

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	6	0	210	27	8
	0	0	0	6	0	70	19	8
TAPPAN ZEE	0	6	10	668	0	175	1194	170
	0	6	6	259	0	39	344	61
CROTON-HAVERSTRAW	0	4	13	569	0	131	669	334
	0	4	10	135	0	43	314	78
INDIAN POINT	0	0	11	201	0	226	78	68
	0	0	8	99	0	144	46	24
WEST POINT	0	20	NS	36	0	73	NS	5
	0	10		19	0	11		3
CORNWALL	0	48	104	117	0	127	638	53
	0	25	22	58	0	31	200	21
POUGHKEEPSIE	0	905	NS	26	0	368	NS	21
	0	679		16	0	118		9
HYDE PARK	0	58	NS	19	88	196	NS	4
	0	22		18	88	71		3
KINGSTON	0	65	NS	14	0	603	NS	19
	0	36		8	0	131		17
SAUGERTIES	0	42	NS	14	539	622	NS	57
	0	12		10	479	187		19
CATSKILL	0	31	NS	272	0	847	NS	482
	0	18		137	0	155		200
ALBANY	0	1	NS	12	0	181	NS	35
	0	1		12	0	59		20
TOTAL STANDING CROP	0	1179	138	1952	626	3761	2606	1256
	0	681	26	345	487	359	509	228

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	40	73	2
	0	0	0	0	0	20	40	2
TAPPAN ZEE	0	0	16	392	0	330	3263	186
	0	0	9	150	0	111	773	94
CROTON-HAVERSTRAW	0	3	12	407	0	505	611	196
	0	3	7	230	0	112	102	123
INDIAN POINT	154	6	15	131	0	323	312	33
	154	6	8	63	0	186	159	27
WEST POINT	0	5	NS	12	180	14	NS	3
	0	3		6	180	5		1
CORNWALL	0	26	36	27	0	170	110	60
	0	15	16	15	0	30	34	36
POUGHKEEPSIE	0	240	NS	43	0	219	NS	44
	0	67		39	0	130		35
HYDE PARK	0	666	NS	1	260	207	NS	3
	0	417		1	260	64		3
KINGSTON	123	60	NS	93	164	528	NS	65
	123	16		24	164	118		45
SAUGERTIES	0	34	NS	252	52	598	NS	53
	0	13		137	52	132		15
CATSKILL	0	5	NS	69	0	501	NS	91
	0	4		36	0	98		37
ALBANY	0	0	NS	16	19	226	NS	0
	0	0		16	19	78		0
TOTAL STANDING CROP	277	1045	79	1441	675	3661	4370	735
	197	423	22	319	360	359	797	176

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	38	2
	0	0	0	0	0	0	19	2
TAPPAN ZEE	0	0	0	167	0	253	741	611
	0	0	0	71	0	50	171	242
CROTON-HAVERSTRAW	0	0	10	246	0	299	190	96
	0	0	7	93	0	42	40	38
INDIAN POINT	0	12	58	39	163	263	113	4
	0	7	56	30	163	81	30	4
WEST POINT	0	0	NS	7	0	26	NS	6
	0	0		4	0	8		5
CORNWALL	88	69	247	36	96	101	530	21
	88	13	119	21	96	44	288	11
POUGHKEEPSIE	0	88	NS	11	0	139	NS	13
	0	18		10	0	23		10
HYDE PARK	259	180	NS	6	1483	347	NS	<0.5
	259	87		5	1352	107		<0.5
KINGSTON	0	107	NS	0	151	1011	NS	0
	0	45		0	151	239		0
SAUGERTIES	0	63	NS	18	676	576	NS	23
	0	24		12	575	150		11
CATSKILL	0	11	NS	91	228	908	NS	4
	0	6		42	179	277		3
ALBANY	0	0	NS	2	0	135	NS	12
	0	0		2	0	38		8
TOTAL STANDING CROP	347	531	315	622	2797	4059	1611	792
	274	104	131	131	1499	427	339	246

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	78	81	2
	0	0	0	0	0	48	25	2
TAPPAN ZEE	0	0	4	91	0	132	2157	81
	0	0	4	34	0	74	461	33
CROTON-HAVERSTRAW	0	15	16	33	0	86	854	58
	0	15	8	25	0	24	158	39
INDIAN POINT	0	16	27	140	0	29	298	92
	0	11	24	93	0	22	124	58
WEST POINT	175	14	NS	46	0	3	NS	13
	175	8		15	0	3		11
CORNWALL	0	104	27	69	0	26	73	224
	0	50	21	37	0	21	59	103
POUGHKEEPSIE	1296	250	NS	10	0	99	NS	21
	640	76		5	0	56		13
HYDE PARK	185	218	NS	8	738	279	NS	10
	107	91		5	426	98		4
KINGSTON	86	112	NS	5	688	1085	NS	64
	86	29		5	636	305		39
SAUGERTIES	102	40	NS	137	1379	639	NS	92
	102	16		50	1075	155		38
CATSKILL	0	4	NS	31	246	182	NS	161
	0	2		18	129	31		69
ALBANY	19	0	NS	0	37	53	NS	39
	19	0		0	37	22		23
TOTAL STANDING CROP	1862	771	73	570	3088	2690	3461	857
	685	135	33	122	1327	375	507	158

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	399	502	5
	0	0	0	0	0	119	121	5
TAPPAN ZEE	0	12	69	97	0	330	5236	42
	0	12	31	45	0	102	1114	15
CROTON-HAVERSTRAW	0	25	137	161	0	112	1116	79
	0	15	24	63	0	29	139	36
INDIAN POINT	0	58	553	262	0	261	842	46
	0	24	199	191	0	146	166	19
WEST POINT	740	23	NS	7	351	21	NS	0
	217	9		6	351	10		0
CORNWALL	91	111	63	0	0	184	19	2
	91	34	27	0	0	17	9	2
POUGHKEEPSIE	617	462	NS	0	1850	482	NS	62
	617	212		0	1850	196		62
HYDE PARK	96	41	NS	6	572	222	NS	<0.5
	96	10		4	457	120		<0.5
KINGSTON	41	93	NS	40	337	901	NS	33
	41	36		40	197	192		17
SAUGERTIES	0	21	NS	6	1329	272	NS	2
	0	12		4	791	97		2
CATSKILL	0	7	NS	53	0	426	NS	118
	0	4		31	0	188		68
ALBANY	0	0	NS	4	0	36	NS	12
	0	0		3	0	10		8
TOTAL STANDING CROP	1584	850	821	635	4438	3646	7716	400
	668	221	205	212	2102	426	1141	104

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	2	0	21	273	12
	0	0	0	2	0	13	64	7
TAPPAN ZEE	0	39	184	21	0	78	3839	74
	0	39	83	11	0	31	906	22
CROTON-HAVERSTRAW	0	56	289	177	0	70	1291	79
	0	26	56	56	0	18	348	23
INDIAN POINT	1360	39	85	72	468	37	91	1106
	522	19	27	29	277	24	28	1040
WEST POINT	7016	20	NS	20	452	28	NS	7
	7016	5		12	254	12		7
CORNWALL	1035	279	23	9	2565	226	165	23
	615	197	17	4	2444	61	63	19
POUGHKEEPSIE	210	216	NS	3	191	398	NS	48
	210	109		3	191	142		48
HYDE PARK	0	26	NS	5	0	60	NS	4
	0	7		4	0	5		4
KINGSTON	112	40	NS	344	1206	120	NS	76
	112	20		248	595	12		32
SAUGERTIES	279	34	NS	29	3490	99	NS	68
	136	7		12	1442	33		32
CATSKILL	44	3	NS	2	269	19	NS	33
	44	2		2	102	6		10
ALBANY	0	0	NS	4	37	1	NS	56
	0	0		4	23	1		22
TOTAL STANDING CROP	10056	752	580	686	8677	1157	5660	1587
	7068	232	105	257	2931	166	976	1043

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	12	0	890	539	394	0
	0	0	6	0	713	137	135	0
TAPPAN ZEE	892	31	148	15	2402	187	2395	21
	410	13	24	10	973	59	268	9
CROTON-HAVERSTRAW	0	430	126	25	0	396	214	4
	0	160	61	11	0	163	91	3
INDIAN POINT	585	1065	31	39	0	325	24	61
	585	687	31	34	0	153	21	37
WEST POINT	861	135	NS	0	788	80	NS	2
	659	31		0	399	24		1
CORNWALL	198	1421	30	0	0	675	135	0
	105	198	12	0	0	130	41	0
POUGHKEEPSIE	1265	238	NS	0	843	984	NS	0
	967	42		0	422	207		0
HYDE PARK	483	48	NS	<0.5	550	178	NS	0
	76	19		<0.5	341	61		0
KINGSTON	204	79	NS	3	449	288	NS	0
	204	20		3	351	56		0
SAUGERTIES	53	3	NS	0	720	64	NS	0
	53	3		0	492	37		0
CATSKILL	0	0	NS	2	0	2	NS	2
	0	0		2	0	2		2
ALBANY	0	0	NS	0	0	3	NS	0
	0	0		0	0	2		0
TOTAL STANDING CROP	4542	3449	347	85	6644	3722	3162	89
	1393	735	74	37	1508	375	317	38

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	80	3591	1144	2	0	106	9	0
	80	795	597	2	0	70	6	0
TAPPAN ZEE	45	2104	336	25	0	431	0	0
	45	414	123	12	0	431	0	0
CROTON-HAVERSTRAW	0	592	6	6	0	3	0	0
	0	202	4	4	0	3	0	0
INDIAN POINT	0	1393	134	0	0	0	2	0
	0	671	83	0	0	0	2	0
WEST POINT	4448	351	NS	0	0	0	NS	0
	3521	28		0	0	0		0
CORNWALL	0	145	12	0	0	0	0	0
	0	94	8	0	0	0	0	0
POUGHKEEPSIE	225	342	NS	0	0	0	NS	0
	225	105		0	0	0		0
HYDE PARK	0	34	NS	0	0	0	NS	0
	0	24		0	0	0		0
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	17	NS	0	0	0	NS	0
	0	7		0	0	0		0
CATSKILL	0	21	NS	0	0	0	NS	0
	0	8		0	0	0		0
ALBANY	0	2	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	4798	8595	1632	32	0	540	10	0
	3530	1148	615	13	0	437	6	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	7094	1175	0	0	152	0	0
	0	2505	514	0	0	72	0	0
TAPPAN ZEE	0	438	125	13	0	6	4	0
	0	85	93	7	0	6	4	0
CROTON-HAVERSTRAW	0	177	11	0	0	0	0	0
	0	61	6	0	0	0	0	0
INDIAN POINT	569	762	40	0	0	0	0	0
	569	310	31	0	0	0	0	0
WEST POINT	2458	298	NS	0	0	0	NS	0
	414	128		0	0	0		0
CORNWALL	0	21	8	0	0	0	0	0
	0	13	7	0	0	0	0	0
POUGHKEEPSIE	0	21	NS	0	0	0	NS	0
	0	15		0	0	0		0
HYDE PARK	80	15	NS	0	0	0	NS	0
	80	10		0	0	0		0
KINGSTON	0	11	NS	0	0	0	NS	0
	0	7		0	0	0		0
SAUGERTIES	0	8	NS	0	0	0	NS	0
	0	6		0	0	0		0
CATSKILL	0	10	NS	0	0	0	NS	0
	0	5		0	0	0		0
ALBANY	18	0	NS	0	0	0	NS	0
	18	0		0	0	0		0
TOTAL STANDING CROP	3125	8855	1359	13	0	158	4	0
	708	2529	523	7	0	72	4	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	1900	592	0	0	21	0	0
	0	559	179	0	0	13	0	0
TAPPAN ZEE	0	572	720	0	0	6	4	0
	0	98	408	0	0	6	4	0
CROTON-HAVERSTRAW	0	239	80	2	0	0	0	0
	0	130	34	2	0	0	0	0
INDIAN POINT	987	232	101	0	0	0	0	0
	513	156	60	0	0	0	0	0
WEST POINT	450	63	NS	0	0	0	NS	0
	450	38		0	0	0		0
CORNWALL	0	0	6	0	0	0	0	0
	0	0	4	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	102	0	NS	0	0	0	NS	0
	102	0		0	0	0		0
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	6	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	1539	3015	1500	2	0	27	4	0
	690	604	451	2	0	14	4	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	2361	1029	0	0	27	7	0
	0	640	321	0	0	17	4	0
TAPPAN ZEE	0	848	223	17	0	58	3	2
	0	113	86	8	0	25	3	2
CROTON-HAVERSTRAW	0	361	3	8	0	10	0	0
	0	146	3	3	0	10	0	0
INDIAN POINT	0	220	7	0	0	0	0	0
	0	123	7	0	0	0	0	0
WEST POINT	1901	173	NS	0	0	3	NS	0
	1479	60		0	0	3		0
CORNWALL	0	193	24	0	0	0	0	0
	0	53	13	0	0	0	0	0
POUGHKEEPSIE	0	101	NS	0	0	0	NS	0
	0	30		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	8	NS	0	0	0	NS	0
	0	4		0	0	0		0
SAUGERTIES	0	6	NS	0	0	0	NS	0
	0	3		0	0	0		0
CATSKILL	0	6	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	1901	4278	1286	25	0	98	10	2
	1479	682	332	8	0	32	5	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	2109	1036	0	0	29	14	0
	0	351	410	0	0	19	10	0
TAPPAN ZEE	0	484	731	44	0	7	11	2
	0	154	257	21	0	7	6	2
CROTON-HAVERSTRAW	0	45	0	4	0	0	0	0
	0	16	0	3	0	0	0	0
INDIAN POINT	0	462	19	0	0	4	0	0
	0	221	14	0	0	4	0	0
WEST POINT	0	218	NS	0	0	13	NS	0
	0	48		0	0	13		0
CORNWALL	0	267	48	0	0	5	1	0
	0	84	22	0	0	5	1	0
POUGHKEEPSIE	0	229	NS	0	0	0	NS	0
	0	109		0	0	0		0
HYDE PARK	0	116	NS	0	0	0	NS	0
	0	78		0	0	0		0
KINGSTON	0	65	NS	0	0	0	NS	0
	0	32		0	0	0		0
SAUGERTIES	0	31	NS	0	0	0	NS	0
	0	14		0	0	0		0
CATSKILL	0	6	NS	0	0	0	NS	0
	0	4		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	4033	1833	47	0	57	27	2
	0	473	485	21	0	24	12	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	1029	166	2	0	68	4	0
	0	554	76	2	0	28	4	0
TAPPAN ZEE	0	516	72	25	0	23	0	2
	0	132	38	13	0	16	0	2
CROTON-HAVERSTRAW	0	258	15	12	0	18	0	0
	0	79	15	7	0	7	0	0
INDIAN POINT	528	242	0	0	0	0	0	0
	286	129	0	0	0	0	0	0
WEST POINT	1159	300	NS	0	0	0	NS	0
	595	120		0	0	0		0
CORNWALL	0	91	36	0	0	0	3	0
	0	13	29	0	0	0	3	0
POUGHKEEPSIE	0	323	NS	0	0	7	NS	0
	0	112		0	0	7		0
HYDE PARK	0	119	NS	0	0	0	NS	0
	0	31		0	0	0		0
KINGSTON	0	170	NS	0	0	0	NS	0
	0	43		0	0	0		0
SAUGERTIES	0	67	NS	0	0	0	NS	0
	0	19		0	0	0		0
CATSKILL	0	7	NS	0	0	0	NS	0
	0	4		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1687	3121	288	38	0	116	7	2
	660	614	91	15	0	34	5	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	1056	102	0	0	89	35	0
	0	320	31	0	0	37	12	0
TAPPAN ZEE	0	364	526	19	0	6	24	0
	0	87	104	9	0	6	15	0
CROTON-HAVERSTRAW	0	305	47	4	0	0	0	0
	0	81	21	3	0	0	0	0
INDIAN POINT	0	484	16	2	0	21	0	0
	0	189	5	2	0	13	0	0
WEST POINT	0	132	NS	0	0	0	NS	0
	0	52		0	0	0		0
CORNWALL	0	31	1	2	0	0	0	0
	0	16	1	2	0	0	0	0
POUGHKEEPSIE	0	40	NS	0	0	0	NS	0
	0	31		0	0	0		0
HYDE PARK	0	79	NS	0	0	0	NS	0
	0	37		0	0	0		0
KINGSTON	0	121	NS	0	0	0	NS	0
	0	46		0	0	0		0
SAUGERTIES	0	29	NS	0	0	0	NS	0
	0	10		0	0	0		0
CATSKILL	0	8	NS	0	0	1	NS	0
	0	5		0	0	1		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	2648	692	26	0	117	59	0
	0	400	110	9	0	39	19	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	1031	237	6	0	182	23	0
	0	134	55	4	0	55	9	0
TAPPAN ZEE	0	1012	179	21	0	32	7	6
	0	237	40	13	0	13	7	4
CROTON-HAVERSTRAW	0	353	59	4	0	7	0	0
	0	162	27	3	0	5	0	0
INDIAN POINT	0	273	62	0	0	12	0	0
	0	63	19	0	0	12	0	0
WEST POINT	0	124	NS	0	0	0	NS	0
	0	93		0	0	0		0
CORNWALL	0	82	0	0	0	0	0	0
	0	38	0	0	0	0	0	0
POUGHKEEPSIE	0	83	NS	0	0	0	NS	0
	0	30		0	0	0		0
HYDE PARK	0	34	NS	0	0	0	NS	0
	0	11		0	0	0		0
KINGSTON	0	237	NS	0	0	2	NS	0
	0	66		0	0	2		0
SAUGERTIES	56	64	NS	0	0	0	NS	0
	56	23		0	0	0		0
CATSKILL	0	9	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	56	3302	537	31	0	235	30	6
	56	347	75	14	0	59	11	4

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	653	110	12	0	21	47	0
	0	125	28	9	0	13	12	0
TAPPAN ZEE	66	490	598	6	0	76	39	0
	66	71	125	3	0	29	17	0
CROTON-HAVERSTRAW	0	162	172	6	0	9	5	0
	0	51	63	4	0	5	5	0
INDIAN POINT	0	143	27	0	0	18	4	0
	0	48	10	0	0	11	4	0
WEST POINT	0	28	NS	0	0	0	NS	0
	0	18		0	0	0		0
CORNWALL	89	36	0	0	0	0	0	0
	89	27	0	0	0	0	0	0
POUGHKEEPSIE	0	42	NS	0	0	0	NS	0
	0	18		0	0	0		0
HYDE PARK	0	20	NS	0	0	0	NS	0
	0	16		0	0	0		0
KINGSTON	0	236	NS	0	0	2	NS	0
	0	142		0	0	2		0
SAUGERTIES	0	10	NS	0	0	2	NS	0
	0	5		0	0	2		0
CATSKILL	0	20	NS	0	0	5	NS	0
	0	11		0	0	2		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	154	1840	908	23	0	133	95	0
	110	218	143	10	0	34	22	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	353	151	0	0	225	49	0
	0	86	41	0	0	54	17	0
TAPPAN ZEE	0	318	157	23	0	76	26	2
	0	42	35	13	0	23	12	2
CROTON-HAVERSTRAW	0	125	72	0	0	9	0	0
	0	29	45	0	0	6	0	0
INDIAN POINT	0	108	4	2	0	9	0	0
	0	32	4	2	0	5	0	0
WEST POINT	0	23	NS	0	0	3	NS	0
	0	6		0	0	3		0
CORNWALL	0	91	7	0	0	6	0	0
	0	17	<0.5	0	0	6	0	0
POUGHKEEPSIE	0	215	NS	0	0	9	NS	0
	0	67		0	0	9		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	2	NS	0
	0	0		0	0	2		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	1234	391	25	0	339	74	2
	0	126	70	13	0	60	21	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	7	5	11	0	0	0	0
	0	7	5	7	0	0	0	0
TAPPAN ZEE	0	0	13	223	0	0	0	0
	0	0	8	64	0	0	0	0
CROTON-HAVERSTRAW	0	6	6	311	0	0	0	0
	0	4	4	143	0	0	0	0
INDIAN POINT	312	0	19	105	0	0	0	0
	156	0	9	33	0	0	0	0
WEST POINT	487	0	NS	47	0	0	NS	0
	282	0		9	0	0		0
CORNWALL	0	15	4	296	0	0	0	0
	0	10	2	124	0	0	0	0
POUGHKEEPSIE	1196	0	NS	267	0	0	NS	0
	695	0		153	0	0		0
HYDE PARK	1105	48	NS	50	0	0	NS	0
	740	41		22	0	0		0
KINGSTON	1022	25	NS	286	0	0	NS	0
	371	9		91	0	0		0
SAUGERTIES	831	159	NS	2120	0	0	NS	0
	504	58		1216	0	0		0
CATSKILL	804	211	NS	415	0	0	NS	0
	285	42		183	0	0		0
ALBANY	198	8	NS	326	0	0	NS	0
	35	5		165	0	0		0
TOTAL STANDING CROP	5955	480	47	4458	0	0	0	0
	1268	84	14	1270	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	13	43	309	0	0	0	0
	0	8	16	168	0	0	0	0
CROTON-HAVERSTRAW	0	19	35	190	0	0	0	0
	0	10	13	57	0	0	0	0
INDIAN POINT	159	12	12	265	0	0	0	0
	159	12	4	116	0	0	0	0
WEST POINT	155	5	NS	23	0	0	NS	0
	155	3		11	0	0		0
CORNWALL	0	5	17	621	0	0	0	0
	0	5	5	360	0	0	0	0
POUGHKEEPSIE	0	34	NS	248	0	0	NS	0
	0	22		81	0	0		0
HYDE PARK	174	16	NS	88	0	0	NS	0
	101	6		13	0	0		0
KINGSTON	213	252	NS	141	0	0	NS	0
	102	112		76	0	0		0
SAUGERTIES	202	77	NS	579	0	0	NS	0
	64	22		219	0	0		0
CATSKILL	2551	183	NS	1371	0	0	NS	0
	1124	32		217	0	0		0
ALBANY	92	30	NS	621	0	0	NS	0
	72	11		213	0	0		0
TOTAL STANDING CROP	3545	643	106	4458	0	0	0	0
	1158	123	22	573	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	270	0	0	11	0	0	0	0
	184	0	0	7	0	0	0	0
TAPPAN ZEE	0	0	8	339	0	0	0	0
	0	0	5	123	0	0	0	0
CROTON-HAVERSTRAW	0	0	6	46	0	0	0	0
	0	0	4	22	0	0	0	0
INDIAN POINT	144	0	3	68	0	0	0	0
	144	0	2	30	0	0	0	0
WEST POINT	0	3	NS	16	0	0	NS	0
	0	3		7	0	0		0
CORNWALL	0	5	5	405	0	0	0	0
	0	5	2	65	0	0	0	0
POUGHKEEPSIE	0	0	NS	166	0	0	NS	0
	0	0		60	0	0		0
HYDE PARK	788	4	NS	26	0	0	NS	0
	420	4		11	0	0		0
KINGSTON	179	18	NS	72	0	0	NS	0
	91	6		22	0	0		0
SAUGERTIES	279	14	NS	630	0	0	NS	0
	221	5		211	0	0		0
CATSKILL	42	67	NS	580	0	0	NS	0
	42	16		190	0	0		0
ALBANY	18	21	NS	485	0	0	NS	0
	18	8		103	0	0		0
TOTAL STANDING CROP	1719	131	21	2844	0	0	0	0
	539	21	7	341	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	10	2	0	0	0	0
	0	0	7	2	0	0	0	0
TAPPAN ZEE	0	0	29	136	0	0	0	0
	0	0	12	66	0	0	0	0
CROTON-HAVERSTRAW	0	0	14	230	0	0	0	0
	0	0	7	76	0	0	0	0
INDIAN POINT	0	10	7	122	0	0	0	0
	0	6	5	63	0	0	0	0
WEST POINT	148	5	NS	38	0	0	NS	0
	148	3		12	0	0		0
CORNWALL	0	8	23	298	0	0	0	0
	0	8	7	77	0	0	0	0
POUGHKEEPSIE	217	52	NS	193	0	0	NS	0
	217	21		62	0	0		0
HYDE PARK	184	17	NS	46	0	0	NS	0
	106	10		14	0	0		0
KINGSTON	0	18	NS	93	0	0	NS	0
	0	9		22	0	0		0
SAUGERTIES	3404	79	NS	552	0	0	NS	0
	3404	39		218	0	0		0
CATSKILL	0	156	NS	1224	0	0	NS	0
	0	50		263	0	0		0
ALBANY	18	25	NS	903	0	0	NS	0
	18	16		199	0	0		0
TOTAL STANDING CROP	3971	370	83	3837	0	0	0	0
	3416	71	18	425	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	8	5	0	0	0	0
	0	0	8	3	0	0	0	0
TAPPAN ZEE	0	15	20	83	0	0	0	0
	0	10	8	36	0	0	0	0
CROTON-HAVERSTRAW	0	10	18	65	0	0	0	0
	0	7	6	31	0	0	0	0
INDIAN POINT	154	6	6	39	0	0	0	0
	154	6	4	18	0	0	0	0
WEST POINT	0	0	NS	40	0	0	NS	0
	0	0		31	0	0		0
CORNWALL	0	0	4	36	0	0	0	2
	0	0	2	23	0	0	0	2
POUGHKEEPSIE	0	6	NS	390	0	0	NS	0
	0	6		129	0	0		0
HYDE PARK	87	8	NS	20	0	0	NS	0
	87	8		8	0	0		0
KINGSTON	166	43	NS	384	0	0	NS	0
	122	13		157	0	0		0
SAUGERTIES	161	11	NS	291	0	0	NS	0
	109	5		68	0	0		0
CATSKILL	197	67	NS	677	0	0	NS	0
	152	22		270	0	0		0
ALBANY	58	7	NS	177	0	0	NS	0
	58	3		51	0	0		0
TOTAL STANDING CROP	822	173	56	2206	0	0	0	2
	291	31	14	354	0	0	0	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	10	0	2	0	0	0	0
	0	10	0	2	0	0	0	0
TAPPAN ZEE	0	0	0	85	0	0	0	0
	0	0	0	34	0	0	0	0
CROTON-HAVERSTRAW	0	7	50	27	0	0	0	0
	0	7	18	15	0	0	0	0
INDIAN POINT	0	0	4	37	0	0	0	0
	0	0	3	20	0	0	0	0
WEST POINT	334	0	NS	18	0	4	NS	0
	334	0		8	0	4		0
CORNWALL	0	9	3	220	0	0	0	0
	0	5	3	52	0	0	0	0
POUGHKEEPSIE	0	7	NS	109	0	9	NS	0
	0	7		39	0	9		0
HYDE PARK	691	9	NS	63	0	0	NS	0
	691	6		39	0	0		0
KINGSTON	493	31	NS	31	0	0	NS	0
	445	10		21	0	0		0
SAUGERTIES	240	65	NS	207	0	2	NS	0
	175	24		48	0	2		0
CATSKILL	693	139	NS	110	0	3	NS	0
	439	33		51	0	3		0
ALBANY	0	24	NS	460	0	0	NS	0
	0	9		112	0	0		0
TOTAL STANDING CROP	2451	301	56	1369	0	17	0	0
	1005	46	18	160	0	10	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	16	2	0	0	0	2
	0	0	7	2	0	0	0	2
TAPPAN ZEE	0	24	54	250	0	6	4	2
	0	15	23	114	0	6	4	2
CROTON-HAVERSTRAW	0	25	15	61	0	0	0	0
	0	11	8	30	0	0	0	0
INDIAN POINT	0	48	5	0	0	0	0	0
	0	42	4	0	0	0	0	0
WEST POINT	505	11	NS	6	0	0	NS	0
	285	5		2	0	0		0
CORNWALL	100	26	0	91	0	0	0	0
	100	14	0	34	0	0	0	0
POUGHKEEPSIE	215	37	NS	88	0	0	NS	0
	215	23		24	0	0		0
HYDE PARK	359	0	NS	34	0	0	NS	0
	267	0		6	0	0		0
KINGSTON	87	136	NS	31	0	0	NS	0
	55	38		21	0	0		0
SAUGERTIES	512	158	NS	224	0	0	NS	0
	246	53		58	0	0		0
CATSKILL	625	46	NS	299	0	0	NS	0
	214	13		69	0	0		0
ALBANY	37	6	NS	159	0	0	NS	0
	23	3		74	0	0		0
TOTAL STANDING CROP	2438	517	90	1245	0	6	4	3
	564	86	26	173	0	6	4	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	26	47	0	0	0	0
	0	0	17	19	0	0	0	0
TAPPAN ZEE	0	18	256	909	0	0	3	0
	0	12	48	274	0	0	3	0
CROTON-HAVERSTRAW	0	10	307	313	0	0	0	0
	0	5	82	65	0	0	0	0
INDIAN POINT	0	17	6	111	0	0	2	0
	0	7	6	60	0	0	2	0
WEST POINT	1061	4	NS	22	0	0	NS	0
	786	4		8	0	0		0
CORNWALL	189	29	19	138	0	0	0	0
	95	12	14	54	0	0	0	0
POUGHKEEPSIE	0	159	NS	71	0	0	NS	0
	0	38		27	0	0		0
HYDE PARK	92	31	NS	9	0	0	NS	0
	92	15		7	0	0		0
KINGSTON	334	34	NS	22	0	0	NS	0
	198	10		14	0	0		0
SAUGERTIES	56	30	NS	66	0	4	NS	0
	56	13		31	0	4		0
CATSKILL	0	19	NS	37	0	0	NS	0
	0	7		14	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1732	350	614	1746	0	4	5	0
	823	49	98	298	0	4	4	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	26	120	0	0	0	0
	0	0	15	75	0	0	0	0
TAPPAN ZEE	0	32	106	937	0	0	0	2
	0	14	29	260	0	0	0	2
CROTON-HAVERSTRAW	0	35	104	684	0	0	0	0
	0	19	44	156	0	0	0	0
INDIAN POINT	0	5	24	258	0	0	0	0
	0	5	12	115	0	0	0	0
WEST POINT	0	15	NS	15	0	0	NS	0
	0	9		7	0	0		0
CORNWALL	0	27	0	28	0	0	0	0
	0	8	0	15	0	0	0	0
POUGHKEEPSIE	0	15	NS	26	0	0	NS	0
	0	15		15	0	0		0
HYDE PARK	85	0	NS	5	0	0	NS	0
	85	0		1	0	0		0
KINGSTON	0	10	NS	15	0	0	NS	0
	0	4		13	0	0		0
SAUGERTIES	0	0	NS	4	0	0	NS	0
	0	0		4	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
TOTAL STANDING CROP	85	139	260	2094	0	0	0	2
	85	31	56	334	0	0	0	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	92	0	47	0	0	0	0
	0	31	0	11	0	0	0	0
TAPPAN ZEE	0	6	3	168	0	0	0	0
	0	6	3	42	0	0	0	0
CROTON-HAVERSTRAW	0	24	14	50	0	0	0	0
	0	9	7	20	0	0	0	0
INDIAN POINT	0	9	1	11	0	0	0	0
	0	9	1	5	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	130	19	278	0	0	0	0
	0	33	8	49	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
TAPPAN ZEE	0	0	0	2	0	0	0	0
	0	0	0	2	0	0	0	0
CROTON-HAVERSTRAW	0	3	6	67	0	0	0	2
	0	3	4	67	0	0	0	2
INDIAN POINT	0	0	2	15	0	0	0	0
	0	0	2	11	0	0	0	0
WEST POINT	812	4	NS	191	0	0	NS	0
	586	4		72	0	0		0
CORNWALL	349	46	1	744	0	0	0	0
	349	28	1	491	0	0	0	0
POUGHKEEPSIE	18959	277	NS	20	0	0	NS	0
	6495	96		10	0	0		0
HYDE PARK	1570	195	NS	5	0	0	NS	0
	727	110		3	0	0		0
KINGSTON	3503	159	NS	29	0	0	NS	0
	1901	43		9	0	0		0
SAUGERTIES	878	300	NS	111	0	0	NS	0
	417	140		79	0	0		0
CATSKILL	649	586	NS	75	0	0	NS	0
	210	157		64	0	0		0
ALBANY	328	14	NS	673	0	0	NS	0
	307	6		651	0	0		0
TOTAL STANDING CROP	27047	1583	8	1932	0	0	0	3
	6863	261	4	828	0	0	0	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	3	2	0	0	0	0
	0	0	3	2	0	0	0	0
CROTON-HAVERSTRAW	0	5	5	27	0	0	0	0
	0	3	4	17	0	0	0	0
INDIAN POINT	133	0	1	159	0	0	0	0
	133	0	1	159	0	0	0	0
WEST POINT	496	25	NS	13	0	0	NS	0
	271	16		7	0	0		0
CORNWALL	0	177	55	509	0	0	0	0
	0	44	46	229	0	0	0	0
POUGHKEEPSIE	0	295	NS	85	0	0	NS	0
	0	150		58	0	0		0
HYDE PARK	4825	190	NS	173	0	0	NS	0
	3582	56		85	0	0		0
KINGSTON	6068	691	NS	358	0	0	NS	0
	3296	299		292	0	0		0
SAUGERTIES	47	182	NS	152	0	0	NS	0
	47	57		139	0	0		0
CATSKILL	791	627	NS	590	0	0	NS	0
	279	136		392	0	0		0
ALBANY	18	127	NS	866	0	0	NS	0
	18	84		555	0	0		0
TOTAL STANDING CROP	12379	2319	65	2934	0	0	0	0
	4885	382	46	809	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	331	0	0	0	0	0	0	0
	244	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	2	0	0	0	0
	0	0	0	2	0	0	0	0
CROTON-HAVERSTRAW	0	7	0	8	0	0	0	0
	0	7	0	6	0	0	0	0
INDIAN POINT	0	0	5	7	0	0	0	0
	0	0	5	5	0	0	0	0
WEST POINT	302	11	NS	8	0	0	NS	0
	302	5		8	0	0		0
CORNWALL	95	23	0	60	0	0	0	0
	95	10	0	23	0	0	0	0
POUGHKEEPSIE	439	47	NS	901	0	0	NS	0
	220	15		899	0	0		0
HYDE PARK	4308	82	NS	4	0	0	NS	0
	2704	23		2	0	0		0
KINGSTON	1128	72	NS	5	0	0	NS	0
	639	19		5	0	0		0
SAUGERTIES	2437	98	NS	174	0	0	NS	0
	1582	26		113	0	0		0
CATSKILL	241	224	NS	1407	0	2	NS	0
	126	47		857	0	2		0
ALBANY	314	21	NS	70	0	0	NS	0
	271	5		29	0	0		0
TOTAL STANDING CROP	9594	585	5	2647	0	2	0	0
	3244	65	5	1248	0	2	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	27	0	0	0	2
	0	0	0	18	0	0	0	2
INDIAN POINT	0	0	0	7	0	0	0	0
	0	0	0	7	0	0	0	0
WEST POINT	803	3	NS	121	0	0	NS	0
	803	3		74	0	0		0
CORNWALL	0	12	11	612	0	0	0	0
	0	8	3	341	0	0	0	0
POUGHKEEPSIE	629	68	NS	14	0	0	NS	0
	357	35		9	0	0		0
HYDE PARK	2570	59	NS	245	0	0	NS	0
	972	18		138	0	0		0
KINGSTON	340	210	NS	1412	0	0	NS	0
	160	68		1337	0	0		0
SAUGERTIES	6560	305	NS	68	0	0	NS	0
	5574	85		33	0	0		0
CATSKILL	273	346	NS	563	0	2	NS	0
	110	134		284	0	2		0
ALBANY	72	68	NS	93	0	0	NS	0
	34	49		41	0	0		0
TOTAL STANDING CROP	11248	1072	11	3163	0	2	0	2
	5729	184	3	1419	0	2	0	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	4	0	0	0	0	0
	0	0	4	0	0	0	0	0
CROTON-HAVERSTRAW	0	11	0	0	0	0	0	0
	0	5	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	180	3	NS	2	0	0	NS	0
	180	3		2	0	0		0
CORNWALL	0	13	2	9	0	0	0	0
	0	5	1	9	0	0	0	0
POUGHKEEPSIE	452	268	NS	10	0	0	NS	0
	226	25		10	0	0		0
HYDE PARK	7208	658	NS	12	0	0	NS	0
	6959	189		9	0	0		0
KINGSTON	1815	305	NS	677	0	5	NS	0
	1706	49		222	0	5		0
SAUGERTIES	948	160	NS	111	0	2	NS	0
	435	62		52	0	2		0
CATSKILL	235	342	NS	1003	0	3	NS	0
	190	117		930	0	2		0
ALBANY	359	5	NS	52	0	0	NS	0
	171	3		36	0	0		0
TOTAL STANDING CROP	11197	1763	6	1877	0	10	0	0
	7188	238	4	958	0	5	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	327	0	0	42	0	0	0	0
	327	0	0	42	0	0	0	0
WEST POINT	0	0	NS	14	0	0	NS	0
	0	0		14	0	0		0
CORNWALL	889	137	2	140	0	0	0	0
	751	82	2	47	0	0	0	0
POUGHKEEPSIE	0	185	NS	50	0	0	NS	0
	0	82		28	0	0		0
HYDE PARK	997	149	NS	37	0	0	NS	0
	712	56		25	0	0		0
KINGSTON	1398	273	NS	69	0	0	NS	0
	1347	73		62	0	0		0
SAUGERTIES	879	475	NS	45	0	4	NS	0
	879	171		43	0	3		0
CATSKILL	1076	453	NS	22	0	4	NS	0
	476	123		15	0	4		0
ALBANY	81	69	NS	592	0	0	NS	0
	60	19		267	0	0		0
TOTAL STANDING CROP	5648	1741	2	1011	0	8	0	0
	1998	258	2	287	0	5	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
TAPPAN ZEE	0	41	20	2	0	0	0	17
	0	16	10	2	0	0	0	17
CROTON-HAVERSTRAW	0	24	19	0	0	8	5	0
	0	21	10	0	0	5	4	0
INDIAN POINT	5661	86	2	0	205	0	0	0
	5481	66	2	0	205	0	0	0
WEST POINT	7791	213	NS	6	0	0	NS	0
	2272	72		6	0	0		0
CORNWALL	2702	135	0	43	0	4	0	0
	1831	55	0	41	0	4	0	0
POUGHKEEPSIE	6241	112	NS	37	0	0	NS	0
	5585	32		33	0	0		0
HYDE PARK	5599	95	NS	12	0	0	NS	0
	3480	19		10	0	0		0
KINGSTON	1418	235	NS	0	0	0	NS	0
	961	56		0	0	0		0
SAUGERTIES	1090	74	NS	20	0	0	NS	0
	467	17		11	0	0		0
CATSKILL	458	21	NS	28	0	0	NS	0
	186	9		11	0	0		0
ALBANY	148	3	NS	64	0	0	NS	0
	104	3		26	0	0		0
TOTAL STANDING CROP	31107	1040	41	210	205	12	8	17
	9113	135	15	62	205	7	5	17

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	129	12	0	5	0	0	4	2
	129	12	0	5	0	0	4	2
TAPPAN ZEE	0	31	94	121	0	0	0	0
	0	17	26	98	0	0	0	0
CROTON-HAVERSTRAW	0	203	75	25	0	0	0	0
	0	158	25	17	0	0	0	0
INDIAN POINT	1683	50	12	4	0	0	0	0
	1683	43	12	2	0	0	0	0
WEST POINT	10264	46	NS	33	0	0	NS	0
	2103	16		25	0	0		0
CORNWALL	637	641	85	78	0	0	0	0
	637	353	65	33	0	0	0	0
POUGHKEEPSIE	3456	1171	NS	65	0	0	NS	0
	1785	707		29	0	0		0
HYDE PARK	2173	76	NS	26	0	0	NS	0
	1323	34		15	0	0		0
KINGSTON	854	39	NS	38	0	0	NS	0
	394	17		23	0	0		0
SAUGERTIES	47	148	NS	0	0	0	NS	0
	47	98		0	0	0		0
CATSKILL	82	3	NS	30	0	0	NS	0
	52	2		22	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	19326	2419	266	424	0	0	4	2
	3574	814	75	117	0	0	4	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	484	24	20	27	0	0	0	0
	210	16	20	27	0	0	0	0
TAPPAN ZEE	897	14	130	1151	0	0	0	0
	445	14	36	768	0	0	0	0
CROTON-HAVERSTRAW	108	53	47	21	0	0	0	0
	55	20	22	9	0	0	0	0
INDIAN POINT	160	21	7	223	0	0	0	0
	160	6	6	190	0	0	0	0
WEST POINT	0	28	NS	54	0	0	NS	0
	0	14		37	0	0		0
CORNWALL	177	13	0	59	0	0	0	0
	177	13	0	36	0	0	0	0
POUGHKEEPSIE	0	27	NS	1189	0	0	NS	0
	0	16		1135	0	0		0
HYDE PARK	0	7	NS	45	0	0	NS	0
	0	4		20	0	0		0
KINGSTON	469	21	NS	2	0	0	NS	0
	221	7		2	0	0		0
SAUGERTIES	53	9	NS	269	0	0	NS	0
	53	7		263	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	2348	217	204	3039	0	0	0	0
	595	40	47	1410	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	77	10	0	125	0	0	0	0
	77	10	0	75	0	0	0	0
TAPPAN ZEE	0	0	0	348	0	0	0	0
	0	0	0	304	0	0	0	0
CROTON-HAVERSTRAW	0	3	7	0	0	0	0	0
	0	3	4	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	77	13	7	474	0	0	0	0
	77	10	4	313	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	8	0	0	7	0
	0	0	0	4	0	0	5	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	4	0	0	2	0
	0	0	0	2	0	0	2	0
WEST POINT	0	7	NS	13	0	0	NS	0
	0	4		8	0	0		0
CORNWALL	0	12	4	14	0	0	0	0
	0	8	2	8	0	0	0	0
POUGHKEEPSIE	201	0	NS	64	0	0	NS	0
	201	0		62	0	0		0
HYDE PARK	184	4	NS	7	0	0	NS	0
	107	4		5	0	0		0
KINGSTON	212	6	NS	10	0	0	NS	0
	136	4		8	0	0		0
SAUGERTIES	53	17	NS	191	0	2	NS	0
	53	8		87	0	2		0
CATSKILL	0	0	NS	51	0	0	NS	0
	0	0		35	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	650	46	4	362	0	2	8	0
	270	13	2	114	0	2	5	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	12	0	0	0	0
	0	0	0	12	0	0	0	0
TAPPAN ZEE	0	0	0	59	0	0	0	2
	0	0	0	35	0	0	0	2
CROTON-HAVERSTRAW	0	0	0	39	0	0	0	0
	0	0	0	28	0	0	0	0
INDIAN POINT	0	0	0	29	0	0	0	0
	0	0	0	18	0	0	0	0
WEST POINT	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	0	1	0	0	0	0	0
	0	0	1	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	3	0	0	NS	0
	0	0		2	0	0		0
HYDE PARK	0	13	NS	8	0	0	NS	0
	0	10		4	0	0		0
KINGSTON	257	80	NS	0	0	0	NS	0
	92	23		0	0	0		0
SAUGERTIES	0	17	NS	88	0	0	NS	0
	0	8		56	0	0		0
CATSKILL	0	45	NS	22	0	10	NS	0
	0	22		14	0	7		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	257	155	1	261	0	10	0	2
	92	34	1	76	0	7	0	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	32	0	0	0	0
	0	0	0	14	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	6	0	0
	0	0	0	0	0	6	0	0
INDIAN POINT	0	0	0	7	0	0	0	0
	0	0	0	7	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	4	0	0	0	0
	0	0	0	4	0	0	0	0
POUGHKEEPSIE	0	0	NS	1	0	7	NS	0
	0	0		1	0	7		0
HYDE PARK	373	0	NS	<0.5	0	0	NS	0
	256	0		<0.5	0	0		0
KINGSTON	130	15	NS	0	0	0	NS	0
	87	8		0	0	0		0
SAUGERTIES	0	5	NS	43	0	0	NS	0
	0	3		39	0	0		0
CATSKILL	0	2	NS	20	0	0	NS	0
	0	2		12	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	503	22	0	108	0	14	0	0
	270	9	0	44	0	10	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	5	0	0	0	0
	0	0	0	5	0	0	0	0
TAPPAN ZEE	0	0	0	28	0	0	0	0
	0	0	0	15	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	46	0	0	0	4
	0	0	0	32	0	0	0	3
INDIAN POINT	0	0	5	0	0	0	0	0
	0	0	4	0	0	0	0	0
WEST POINT	0	0	NS	4	0	0	NS	0
	0	0		3	0	0		0
CORNWALL	0	0	3	0	0	0	4	0
	0	0	1	0	0	0	3	0
POUGHKEEPSIE	0	0	NS	0	0	6	NS	0
	0	0		0	0	6		0
HYDE PARK	0	9	NS	1	0	3	NS	0
	0	7		1	0	3		0
KINGSTON	38	10	NS	5	0	0	NS	0
	38	4		3	0	0		0
SAUGERTIES	481	22	NS	0	61	5	NS	0
	418	10		0	61	3		0
CATSKILL	0	10	NS	12	0	3	NS	0
	0	5		8	0	3		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	519	51	9	100	61	18	4	4
	420	13	4	37	61	9	3	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	38	0	0	5	0
	0	0	0	20	0	0	5	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
INDIAN POINT	0	0	12	0	0	0	0	0
	0	0	5	0	0	0	0	0
WEST POINT	0	2	NS	1	0	0	NS	0
	0	2		1	0	0		0
CORNWALL	0	0	4	0	0	0	2	0
	0	0	3	0	0	0	1	0
POUGHKEEPSIE	0	7	NS	0	0	0	NS	0
	0	7		0	0	0		0
HYDE PARK	0	5	NS	0	0	0	NS	0
	0	5		0	0	0		0
KINGSTON	246	2	NS	0	0	2	NS	0
	246	2		0	0	2		0
SAUGERTIES	52	0	NS	29	0	0	NS	0
	52	0		15	0	0		0
CATSKILL	0	8	NS	283	0	5	NS	0
	0	3		283	0	3		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	299	25	16	352	0	7	10	0
	252	10	6	284	0	4	6	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
TAPPAN ZEE	0	0	0	11	0	0	0	0
	0	0	0	10	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	7	0	5	0	0
	0	0	0	7	0	5	0	0
WEST POINT	0	0	NS	1	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	0	0	7	0	13	0	0
	0	0	0	5	0	9	0	0
POUGHKEEPSIE	0	0	NS	0	0	9	NS	0
	0	0		0	0	9		0
HYDE PARK	0	3	NS	0	0	6	NS	0
	0	3		0	0	6		0
KINGSTON	0	23	NS	0	0	2	NS	0
	0	9		0	0	2		0
SAUGERTIES	59	37	NS	21	0	2	NS	0
	59	19		19	0	2		0
CATSKILL	137	25	NS	0	0	0	NS	0
	137	11		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	196	88	0	48	0	38	3	0
	149	24	0	23	0	15	3	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	2	0
TAPPAN ZEE	0	0	7	2	0	6	63	0
	0	0	5	2	0	6	20	0
CROTON-HAVERSTRAW	0	3	0	0	0	8	6	0
	0	3	0	0	0	5	4	0
INDIAN POINT	205	16	0	0	0	11	4	0
	205	11	0	0	0	7	2	0
WEST POINT	176	0	NS	0	0	0	NS	0
	176	0		0	0	0		0
CORNWALL	0	0	0	64	0	0	0	0
	0	0	0	34	0	0	0	0
POUGHKEEPSIE	0	8	NS	0	0	0	NS	0
	0	8		0	0	0		0
HYDE PARK	246	3	NS	<0.5	0	0	NS	0
	149	3		<0.5	0	0		0
KINGSTON	177	20	NS	0	43	0	NS	0
	89	11		0	43	0		0
SAUGERTIES	206	39	NS	16	0	0	NS	0
	130	14		11	0	0		0
CATSKILL	130	6	NS	2	0	0	NS	0
	89	6		2	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1140	94	7	84	43	25	74	0
	358	23	5	36	43	11	20	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	8	2	0	0	3	0
	0	0	5	2	0	0	3	0
TAPPAN ZEE	0	0	3	6	0	0	28	0
	0	0	3	4	0	0	11	0
CROTON-HAVERSTRAW	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
INDIAN POINT	168	0	2	4	0	0	2	0
	168	0	2	4	0	0	2	0
WEST POINT	888	7	NS	0	0	0	NS	0
	618	7		0	0	0		0
CORNWALL	273	34	11	7	0	4	1	0
	273	11	3	7	0	4	1	0
POUGHKEEPSIE	206	20	NS	0	0	0	NS	0
	206	13		0	0	0		0
HYDE PARK	572	19	NS	1	0	0	NS	0
	457	7		1	0	0		0
KINGSTON	172	12	NS	0	0	0	NS	0
	124	7		0	0	0		0
SAUGERTIES	0	10	NS	6	0	0	NS	0
	0	4		6	0	0		0
CATSKILL	0	2	NS	0	0	0	NS	0
	0	2		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	2279	103	27	25	0	4	35	0
	867	21	8	11	0	4	12	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	9	7	2	0	9	6	0
	0	9	4	2	0	9	6	0
TAPPAN ZEE	0	19	103	6	0	0	33	0
	0	13	34	3	0	0	23	0
CROTON-HAVERSTRAW	0	6	11	4	0	3	3	0
	0	4	6	3	0	3	3	0
INDIAN POINT	0	0	2	9	0	0	0	0
	0	0	2	7	0	0	0	0
WEST POINT	0	4	NS	0	0	0	NS	0
	0	4		0	0	0		0
CORNWALL	81	0	0	0	0	0	0	0
	81	0	0	0	0	0	0	0
POUGHKEEPSIE	191	6	NS	0	0	0	NS	0
	191	6		0	0	0		0
HYDE PARK	100	0	NS	0	0	0	NS	0
	100	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	372	44	123	20	0	12	42	0
	230	18	34	8	0	9	24	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	230	16	0	0	10	0	0
	0	86	8	0	0	10	0	0
TAPPAN ZEE	104	0	15	2	0	0	0	0
	68	0	9	2	0	0	0	0
CROTON-HAVERSTRAW	0	39	45	0	0	0	5	0
	0	13	15	0	0	0	3	0
INDIAN POINT	129	0	0	0	0	0	0	0
	129	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	233	268	75	2	0	10	5	0
	146	87	19	2	0	10	3	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	1480	0	0	0	18154	538	299	45
	732	0	0	0	3247	122	124	25
TAPPAN ZEE	5140	0	336	4	14512	671	1771	189
	1934	0	117	4	5200	199	245	64
CROTON-HAVERSTRAW	5436	0	62	0	106	110	273	0
	2500	0	22	0	53	20	71	0
INDIAN POINT	15697	5	24	0	1769	24	20	65
	1365	5	22	0	657	7	12	48
WEST POINT	1501	0	NS	0	648	4	NS	0
	757	0		0	648	4		0
CORNWALL	6973	0	2	0	87	15	25	0
	3461	0	1	0	87	11	13	0
POUGHKEEPSIE	0	0	NS	0	0	7	NS	0
	0	0		0	0	7		0
HYDE PARK	93	0	NS	0	0	3	NS	0
	93	0		0	0	3		0
KINGSTON	171	0	NS	0	41	0	NS	0
	86	0		0	41	0		0
SAUGERTIES	503	5	NS	0	0	4	NS	0
	208	5		0	0	4		0
CATSKILL	233	0	NS	0	0	0	NS	0
	87	0		0	0	0		0
ALBANY	33	0	NS	0	0	0	NS	0
	20	0		0	0	0		0
TOTAL STANDING CROP	37260	9	424	4	35318	1376	2388	299
	5001	7	121	4	6200	235	284	84

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	824	11	4	11	27917	376	78	20
	332	11	4	7	8540	194	17	9
TAPPAN ZEE	35020	8	18	4	6057	341	270	4
	10434	8	18	4	2258	92	61	3
CROTON-HAVERSTRAW	3559	55	491	66	493	218	304	37
	814	27	234	64	493	44	68	37
INDIAN POINT	20709	89	257	0	2722	165	61	7
	15866	57	168	0	773	56	20	7
WEST POINT	5804	26	NS	0	1744	17	NS	0
	3758	13		0	1000	6		0
CORNWALL	3515	45	7	0	461	26	39	0
	927	29	3	0	243	15	24	0
POUGHKEEPSIE	2655	52	NS	0	0	84	NS	0
	1697	36		0	0	31		0
HYDE PARK	2291	3	NS	0	97	0	NS	0
	2291	3		0	97	0		0
KINGSTON	269	3	NS	0	46	0	NS	0
	227	3		0	46	0		0
SAUGERTIES	375	0	NS	0	0	0	NS	0
	375	0		0	0	0		0
CATSKILL	0	0	NS	4	0	0	NS	0
	0	0		4	0	0		0
ALBANY	18	0	NS	0	0	0	NS	0
	18	0		0	0	0		0
TOTAL STANDING CROP	75038	291	777	84	39536	1227	752	68
	19613	81	289	65	8941	229	98	39

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	36458	21	6	0	3036	86	31	0
	4761	13	6	0	1314	64	21	0
TAPPAN ZEE	23493	36	18	220	1576	65	96	30
	6362	17	12	172	1123	25	28	30
CROTON-HAVERSTRAW	4138	97	35	0	0	79	39	0
	3111	65	15	0	0	46	12	0
INDIAN POINT	3519	14	5	0	693	40	90	0
	1308	10	2	0	494	28	57	0
WEST POINT	5254	11	NS	0	397	0	NS	0
	1055	8		0	397	0		0
CORNWALL	5245	28	5	0	369	8	1	0
	2320	28	5	0	241	8	1	0
POUGHKEEPSIE	11620	54	NS	0	649	23	NS	0
	8578	28		0	365	10		0
HYDE PARK	732	0	NS	0	98	0	NS	0
	295	0		0	98	0		0
KINGSTON	4923	2	NS	0	0	0	NS	0
	1720	2		0	0	0		0
SAUGERTIES	1588	0	NS	0	0	0	NS	0
	523	0		0	0	0		0
CATSKILL	446	2	NS	0	0	0	NS	0
	178	2		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	97416	265	70	220	6818	302	257	30
	12569	80	21	172	1895	88	68	30

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	53671	1022	389	2	1388	711	351	2
	15123	243	116	2	803	260	119	2
TAPPAN ZEE	27940	388	2925	4	191	87	218	2
	9857	141	739	3	83	45	51	2
CROTON-HAVERSTRAW	23163	939	2988	0	0	66	60	0
	6968	207	967	0	0	17	19	0
INDIAN POINT	15887	267	23	0	1257	48	16	0
	7798	172	16	0	842	32	9	0
WEST POINT	7598	14	NS	0	3015	9	NS	0
	3993	11		0	2348	6		0
CORNWALL	20514	47	5	0	88	4	9	0
	13489	25	4	0	88	4	3	0
POUGHKEEPSIE	15826	85	NS	0	3614	56	NS	0
	6781	49		0	1916	56		0
HYDE PARK	2446	3	NS	0	374	0	NS	0
	1249	3		0	155	0		0
KINGSTON	5297	3	NS	0	134	0	NS	0
	2640	3		0	96	0		0
SAUGERTIES	320	2	NS	0	0	0	NS	0
	198	2		0	0	0		0
CATSKILL	523	0	NS	0	0	0	NS	0
	356	0		0	0	0		0
ALBANY	68	1	NS	0	0	0	NS	0
	32	1		0	0	0		0
TOTAL STANDING CROP	173253	2772	6331	5	10061	982	655	3
	26226	394	1223	3	3254	272	131	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	21747	431	338	104	336	584	260	2
	6023	113	137	56	206	274	106	2
TAPPAN ZEE	51680	1566	1810	13	241	70	392	6
	13597	423	321	8	127	34	60	3
CROTON-HAVERSTRAW	38821	352	394	0	259	68	134	0
	20588	103	77	0	62	24	30	0
INDIAN POINT	8827	315	37	0	0	34	37	0
	4579	188	14	0	0	27	11	0
WEST POINT	2663	43	NS	0	360	3	NS	0
	1016	11		0	181	3		0
CORNWALL	6223	73	14	0	415	14	7	0
	3985	36	9	0	415	9	5	0
POUGHKEEPSIE	2260	217	NS	0	232	0	NS	0
	1131	154		0	232	0		0
HYDE PARK	6445	10	NS	0	94	3	NS	0
	3207	7		0	94	3		0
KINGSTON	2961	11	NS	0	43	0	NS	0
	954	6		0	43	0		0
SAUGERTIES	56	0	NS	0	0	0	NS	0
	56	0		0	0	0		0
CATSKILL	127	0	NS	0	0	0	NS	0
	87	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	141811	3020	2593	117	1981	775	831	7
	26370	513	358	56	576	279	126	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	42183	757	125	130	0	173	64	9
	11540	288	33	109	0	63	25	4
TAPPAN ZEE	38777	1366	1383	13	99	21	34	0
	8262	321	334	13	65	16	13	0
CROTON-HAVERSTRAW	40394	576	476	33	0	27	10	2
	12467	125	111	33	0	19	7	2
INDIAN POINT	67785	552	83	0	167	5	0	0
	60959	268	41	0	167	5	0	0
WEST POINT	6167	12	NS	13	825	7	NS	4
	5444	9		13	592	7		4
CORNWALL	10657	103	6	0	1081	4	7	0
	5700	21	5	0	696	4	3	0
POUGHKEEPSIE	2150	28	NS	0	0	0	NS	0
	1834	17		0	0	0		0
HYDE PARK	529	3	NS	0	0	0	NS	0
	422	3		0	0	0		0
KINGSTON	131	3	NS	0	0	3	NS	0
	59	3		0	0	3		0
SAUGERTIES	129	0	NS	0	0	0	NS	0
	129	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	208902	3400	2073	189	2172	241	115	15
	64332	524	356	115	931	68	30	6

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	35133	610	198	4823	179	30	32	5
	4929	183	49	4663	110	19	19	3
TAPPAN ZEE	20513	522	745	382	93	6	36	2
	4775	157	161	264	61	6	14	2
CROTON-HAVERSTRAW	8772	66	15	12	64	3	6	0
	2888	21	10	12	64	3	6	0
INDIAN POINT	10490	143	3	28	0	5	0	0
	9249	115	3	21	0	5	0	0
WEST POINT	528	0	NS	1	0	0	NS	0
	528	0		1	0	0		0
CORNWALL	872	4	1	0	172	0	0	0
	727	4	1	0	172	0	0	0
POUGHKEEPSIE	856	0	NS	0	642	7	NS	0
	856	0		0	642	7		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	41	0	NS	0
	0	0		0	41	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	77165	1344	963	5246	1190	50	74	6
	11938	268	169	4670	681	22	24	4

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	13016	28	26	2	89	0	36	3
	3639	17	14	2	89	0	22	3
TAPPAN ZEE	16112	101	126	2	0	6	0	0
	3896	72	37	2	0	6	0	0
CROTON-HAVERSTRAW	1857	258	49	0	0	4	0	0
	535	67	20	0	0	4	0	0
INDIAN POINT	3138	11	6	61	0	0	0	0
	2420	11	4	61	0	0	0	0
WEST POINT	1789	0	NS	12	0	0	NS	0
	684	0		12	0	0		0
CORNWALL	1692	45	7	0	91	0	1	0
	37	14	5	0	91	0	1	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	44	0	NS	0	0	0	NS	0
	44	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	37648	443	215	76	180	9	37	3
	5919	101	45	62	127	7	22	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	1212	8	0	0	0	0	0	0
	513	8	0	0	0	0	0	0
TAPPAN ZEE	3505	0	7	4	0	0	0	0
	1158	0	5	4	0	0	0	0
CROTON-HAVERSTRAW	2188	0	12	0	0	3	0	0
	512	0	7	0	0	3	0	0
INDIAN POINT	0	0	0	0	0	4	0	0
	0	0	0	0	0	4	0	0
WEST POINT	0	0	NS	25	0	0	NS	0
	0	0		20	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	6905	8	19	29	0	7	0	0
	1366	8	8	21	0	5	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	535	32	3	2	0	0	0	0
	535	21	3	2	0	0	0	0
TAPPAN ZEE	351	0	0	0	0	0	0	0
	351	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	104	0	0	0	0	0	0	0
	104	0	0	0	0	0	0	0
INDIAN POINT	129	0	0	0	0	0	0	0
	129	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1119	32	3	2	0	0	0	0
	661	21	3	2	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	185	10	0	0	0	0	0	0
	115	10	0	0	0	0	0	0
TAPPAN ZEE	45	0	0	0	0	0	0	0
	45	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	230	10	0	0	0	0	0	0
	124	10	0	0	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	69	32	2	0	0	0	0
	0	32	14	2	0	0	0	0
TAPPAN ZEE	345	19	32	0	0	0	0	0
	174	9	25	0	0	0	0	0
CROTON-HAVERSTRAW	741	191	47	0	0	0	0	0
	566	50	19	0	0	0	0	0
INDIAN POINT	285	432	16	0	0	0	0	0
	285	226	14	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1371	711	127	2	0	0	0	0
	657	234	37	2	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	653	150	109	2	0	0	0	0
	417	30	32	2	0	0	0	0
TAPPAN ZEE	112	90	191	0	0	0	0	0
	73	36	47	0	0	0	0	0
CROTON-HAVERSTRAW	0	146	38	0	0	0	0	0
	0	75	12	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	765	386	337	2	0	0	0	0
	424	89	58	2	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	159	1976	481	0	0	0	0	0
	103	633	255	0	0	0	0	0
TAPPAN ZEE	0	339	229	0	0	0	0	0
	0	89	59	0	0	0	0	0
CROTON-HAVERSTRAW	0	43	32	0	0	0	0	0
	0	12	11	0	0	0	0	0
INDIAN POINT	155	78	0	0	0	0	0	0
	155	33	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	88	4	0	0	0	0	0	0
	88	4	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	402	2440	742	0	0	0	0	0
	206	640	262	0	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	348	1092	256	2	0	10	0	0
	243	249	135	2	0	10	0	0
TAPPAN ZEE	140	62	161	2	0	0	0	0
	140	36	34	2	0	0	0	0
CROTON-HAVERSTRAW	64	140	25	0	0	0	0	0
	64	75	13	0	0	0	0	0
INDIAN POINT	0	28	12	0	0	0	0	0
	0	22	8	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	552	1322	454	3	0	10	0	0
	287	264	140	2	0	10	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	393	107	2	0	0	0	0
	0	145	16	2	0	0	0	0
TAPPAN ZEE	0	139	88	0	0	0	0	0
	0	57	32	0	0	0	0	0
CROTON-HAVERSTRAW	0	64	7	0	0	0	0	0
	0	26	5	0	0	0	0	0
INDIAN POINT	0	24	0	0	0	0	0	0
	0	15	0	0	0	0	0	0
WEST POINT	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
CORNWALL	0	0	2	0	0	0	0	0
	0	0	1	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	623	204	2	0	0	0	0
	0	159	36	2	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	260	156	56	0	0	0	5	0
	260	60	13	0	0	0	5	0
TAPPAN ZEE	53	75	165	0	0	0	4	0
	53	41	43	0	0	0	4	0
CROTON-HAVERSTRAW	0	10	5	0	0	0	0	0
	0	5	5	0	0	0	0	0
INDIAN POINT	0	15	2	0	0	0	0	0
	0	10	2	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	314	257	228	0	0	0	8	0
	266	73	45	0	0	0	6	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	66	32	0	0	0	0	0
	0	35	8	0	0	0	0	0
TAPPAN ZEE	64	39	14	0	0	0	0	0
	64	15	7	0	0	0	0	0
CROTON-HAVERSTRAW	0	55	9	0	0	0	0	0
	0	22	9	0	0	0	0	0
INDIAN POINT	168	29	0	0	0	0	0	0
	168	17	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	233	189	56	0	0	0	0	0
	180	47	14	0	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
TAPPAN ZEE	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
CROTON-HAVERSTRAW	0	3	0	0	0	0	0	0
	0	3	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	3	7	0	0	0	0	0
	0	3	5	0	0	0	0	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	29	48	15
	0	0	0	0	0	18	13	9
CROTON-HAVERSTRAW	0	0	0	0	0	6	19	0
	0	0	0	0	0	4	6	0
INDIAN POINT	0	0	0	0	0	6	0	2
	0	0	0	0	0	6	0	2
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	9	25	0
	0	0	0	0	0	6	21	0
POUGHKEEPSIE	0	0	NS	0	225	0	NS	0
	0	0		0	225	0		0
HYDE PARK	0	3	NS	0	0	3	NS	0
	0	3		0	0	3		0
KINGSTON	0	0	NS	0	0	0	NS	7
	0	0		0	0	0		7
SAUGERTIES	0	0	NS	0	0	16	NS	0
	0	0		0	0	6		0
CATSKILL	0	0	NS	0	0	25	NS	0
	0	0		0	0	7		0
ALBANY	0	0	NS	0	0	1	NS	0
	0	0		0	0	1		0
TOTAL STANDING CROP	0	3	0	0	225	96	92	24
	0	3	0	0	225	22	25	12

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	2	53	0	19	30
	0	0	0	2	53	0	8	16
CROTON-HAVERSTRAW	0	0	0	0	0	3	124	0
	0	0	0	0	0	3	114	0
INDIAN POINT	0	0	0	0	0	38	0	0
	0	0	0	0	0	38	0	0
WEST POINT	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
CORNWALL	0	4	0	0	0	8	2	0
	0	4	0	0	0	8	2	0
POUGHKEEPSIE	0	0	NS	0	0	14	NS	0
	0	0		0	0	8		0
HYDE PARK	0	3	NS	0	0	0	NS	<0.5
	0	3		0	0	0		<0.5
KINGSTON	0	0	NS	0	0	13	NS	0
	0	0		0	0	7		0
SAUGERTIES	0	5	NS	0	0	41	NS	0
	0	5		0	0	24		0
CATSKILL	0	17	NS	0	0	29	NS	0
	0	4		0	0	16		0
ALBANY	0	5	NS	0	0	3	NS	2
	0	4		0	0	2		2
TOTAL STANDING CROP	0	34	0	2	53	153	145	32
	0	9	0	2	53	50	115	16

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	22	0	0
	0	0	0	0	0	22	0	0
TAPPAN ZEE	0	0	0	0	0	7	16	11
	0	0	0	0	0	7	7	6
CROTON-HAVERSTRAW	0	0	0	0	0	0	18	0
	0	0	0	0	0	0	9	0
INDIAN POINT	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	2	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	1	0	0	0	6	0
	0	0	1	0	0	0	4	0
POUGHKEEPSIE	0	7	NS	0	0	15	NS	0
	0	7		0	0	15		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	5	NS	0	0	8	NS	0
	0	3		0	0	4		0
SAUGERTIES	0	7	NS	0	0	5	NS	0
	0	5		0	0	3		0
CATSKILL	0	31	NS	0	0	17	NS	0
	0	7		0	0	7		0
ALBANY	0	12	NS	0	0	2	NS	0
	0	5		0	0	2		0
TOTAL STANDING CROP	0	62	1	0	0	75	41	11
	0	13	1	0	0	28	12	6

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	14	37	4
	0	0	0	0	0	9	15	3
CROTON-HAVERSTRAW	0	0	0	0	0	3	35	0
	0	0	0	0	0	3	15	0
INDIAN POINT	0	0	0	0	0	5	0	2
	0	0	0	0	0	5	0	2
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	1	0	0	4	4	0
	0	0	1	0	0	4	2	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	19	NS	0	0	2	NS	0
	0	12		0	0	2		0
CATSKILL	0	39	NS	0	0	34	NS	0
	0	16		0	0	12		0
ALBANY	0	3	NS	0	0	6	NS	0
	0	2		0	0	4		0
TOTAL STANDING CROP	0	60	1	0	0	71	77	6
	0	20	1	0	0	17	21	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	51	0	0	12	11
	0	0	0	51	0	0	7	7
CROTON-HAVERSTRAW	0	0	0	0	0	3	6	0
	0	0	0	0	0	3	4	0
INDIAN POINT	0	0	0	0	0	6	8	2
	0	0	0	0	0	6	6	2
WEST POINT	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	13	NS	0	0	6	NS	0
	0	8		0	0	6		0
HYDE PARK	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
KINGSTON	0	0	NS	0	0	2	NS	0
	0	0		0	0	2		0
SAUGERTIES	0	10	NS	0	0	12	NS	0
	0	6		0	0	6		0
CATSKILL	0	63	NS	0	0	15	NS	0
	0	12		0	0	5		0
ALBANY	0	3	NS	0	0	4	NS	2
	0	2		0	0	2		2
TOTAL STANDING CROP	0	93	0	51	0	51	27	15
	0	16	0	51	0	13	10	7

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	8	24	2
	0	0	0	0	0	8	9	2
CROTON-HAVERSTRAW	0	0	0	0	0	0	14	0
	0	0	0	0	0	0	8	0
INDIAN POINT	0	0	0	0	0	0	4	0
	0	0	0	0	0	0	3	0
WEST POINT	0	0	NS	0	0	7	NS	0
	0	0		0	0	4		0
CORNWALL	0	0	1	0	0	0	5	0
	0	0	1	0	0	0	4	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
KINGSTON	0	5	NS	0	0	2	NS	0
	0	3		0	0	2		0
SAUGERTIES	0	10	NS	0	0	0	NS	0
	0	6		0	0	0		0
CATSKILL	0	8	NS	0	0	11	NS	0
	0	5		0	0	4		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	0	27	1	0	0	28	47	2
	0	9	1	0	0	10	13	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	26 12	6 4
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	13 7	8 6	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	14 8	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	1 1	0 0
POUGHKEEPSIE	0 0	7 7	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	3 3	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	7 4	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
CATSKILL	0 0	16 9	NS	0 0	0 0	7 4	NS	0 0
ALBANY	0 0	1 1	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	27 12	0 0	0 0	0 0	30 9	49 16	6 4

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	8	34	2
	0	0	0	0	0	8	11	2
CROTON-HAVERSTRAW	0	0	0	0	0	10	37	0
	0	0	0	0	0	10	11	0
INDIAN POINT	0	0	0	0	0	6	4	0
	0	0	0	0	0	6	3	0
WEST POINT	0	3	NS	0	0	7	NS	0
	0	3		0	0	4		0
CORNWALL	0	0	0	0	91	25	2	0
	0	0	0	0	91	16	1	0
POUGHKEEPSIE	0	7	NS	0	0	7	NS	0
	0	7		0	0	7		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	2	NS	0	0	0	NS	0
	0	2		0	0	0		0
SAUGERTIES	0	8	NS	0	0	0	NS	0
	0	5		0	0	0		0
CATSKILL	0	18	NS	0	0	10	NS	0
	0	7		0	0	5		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	39	0	0	91	73	77	2
	0	12	0	0	91	23	16	2

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	9	3	0
	0	0	0	0	0	9	3	0
TAPPAN ZEE	0	0	0	0	0	17	21	2
	0	0	0	0	0	11	12	2
CROTON-HAVERSTRAW	0	0	0	0	0	3	35	0
	0	0	0	0	0	3	13	0
INDIAN POINT	0	0	0	0	0	9	17	2
	0	0	0	0	0	5	7	2
WEST POINT	181	0	NS	0	0	3	NS	0
	181	0		0	0	3		0
CORNWALL	0	5	0	0	0	5	5	0
	0	5	0	0	0	5	3	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	54	0	NS	0	0	0	NS	0
	54	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	235	8	0	0	0	45	82	4
	189	6	0	0	0	16	19	3

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
TAPPAN ZEE	0	0	0	0	0	19	67	0
	0	0	0	0	0	13	18	0
CROTON-HAVERSTRAW	0	0	0	0	0	14	7	0
	0	0	0	0	0	9	4	0
INDIAN POINT	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	2	0
WEST POINT	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
CORNWALL	0	0	0	0	0	0	6	0
	0	0	0	0	0	0	3	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	4	NS	0
	0	0		0	0	4		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	0	0	0	0	40	85	0
	0	0	0	0	0	17	18	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	4	0	0	0	0
	0	0	0	4	0	0	0	0
INDIAN POINT	0	0	0	2	0	0	0	2
	0	0	0	2	0	0	0	2
WEST POINT	0	0	NS	11	0	0	NS	19
	0	0		4	0	0		4
CORNWALL	0	0	38	367	0	0	4	30
	0	0	32	346	0	0	3	21
POUGHKEEPSIE	201	0	NS	448	201	7	NS	77
	201	0		359	201	7		68
HYDE PARK	0	9	NS	7	0	3	NS	10
	0	4		2	0	3		8
KINGSTON	0	0	NS	24	45	3	NS	22
	0	0		11	45	3		18
SAUGERTIES	0	0	NS	94	0	13	NS	133
	0	0		60	0	7		36
CATSKILL	0	2	NS	30	0	9	NS	35
	0	2		10	0	4		25
ALBANY	0	0	NS	32	0	19	NS	12
	0	0		23	0	10		12
TOTAL STANDING CROP	201	11	38	1019	245	54	4	340
	201	4	32	503	206	15	3	87

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	2	0	0	0	7
	0	0	0	2	0	0	0	7
WEST POINT	0	0	NS	61	0	0	NS	4
	0	0		40	0	0		3
CORNWALL	0	0	0	23	0	5	0	0
	0	0	0	23	0	5	0	0
POUGHKEEPSIE	0	0	NS	159	0	7	NS	35
	0	0		25	0	7		22
HYDE PARK	0	6	NS	36	0	6	NS	2
	0	4		7	0	4		1
KINGSTON	0	0	NS	2	0	134	NS	2
	0	0		2	0	131		2
SAUGERTIES	0	0	NS	164	0	29	NS	57
	0	0		130	0	20		44
CATSKILL	0	11	NS	118	0	50	NS	102
	0	9		73	0	20		86
ALBANY	0	52	NS	6	19	60	NS	47
	0	21		3	19	17		47
TOTAL STANDING CROP	0	69	0	570	19	292	0	257
	0	23	0	159	19	136	0	109

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	7 7	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	15 10	0 0	0 0	NS	3 3
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	33 16	0 0	0 0	NS	20 20
HYDE PARK	0 0	4 4	NS	30 18	0 0	4 4	NS	2 2
KINGSTON	0 0	0 0	NS	7 7	0 0	14 14	NS	3 3
SAUGERTIES	0 0	0 0	NS	55 29	0 0	13 7	NS	29 15
CATSKILL	0 0	2 2	NS	67 52	0 0	7 3	NS	71 30
ALBANY	0 0	3 2	NS	64 64	0 0	14 5	NS	8 8
TOTAL STANDING CROP	0 0	8 4	0 0	278 92	0 0	52 17	0 0	137 40

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	6 6	NS	67 27	0 0	0 0	NS	12 8
CORNWALL	0 0	0 0	0 0	5 4	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	61 37	0 0	6 6	NS	3 2
HYDE PARK	0 0	0 0	NS	8 4	0 0	3 3	NS	0 0
KINGSTON	0 0	0 0	NS	148 142	0 0	0 0	NS	48 48
SAUGERTIES	0 0	0 0	NS	14 8	0 0	7 4	NS	8 8
CATSKILL	0 0	0 0	NS	236 102	0 0	0 0	NS	71 45
ALBANY	0 0	0 0	NS	105 72	0 0	20 8	NS	138 136
TOTAL STANDING CROP	0 0	6 6	0 0	644 195	0 0	36 12	0 0	279 151

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	14 10	0 0	0 0	NS	3 1
CORNWALL	0 0	0 0	0 0	9 7	0 0	0 0	0 0	53 49
POUGHKEEPSIE	0 0	0 0	NS	96 59	0 0	20 20	NS	35 30
HYDE PARK	0 0	0 0	NS	4 3	0 0	3 3	NS	8 8
KINGSTON	0 0	6 5	NS	59 19	0 0	55 24	NS	31 17
SAUGERTIES	0 0	2 2	NS	109 57	0 0	6 3	NS	209 104
CATSKILL	0 0	2 2	NS	132 79	0 0	8 7	NS	171 165
ALBANY	0 0	0 0	NS	4 4	0 0	24 11	NS	0 0
TOTAL STANDING CROP	0 0	10 5	0 0	427 117	0 0	117 34	0 0	510 204

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	11	0	0	0	9
	0	0	0	11	0	0	0	9
WEST POINT	0	0	NS	15	0	0	NS	3
	0	0		11	0	0		3
CORNWALL	0	0	1	28	0	0	1	5
	0	0	1	22	0	0	1	2
POUGHKEEPSIE	0	0	NS	57	0	0	NS	4
	0	0		37	0	0		3
HYDE PARK	0	0	NS	23	0	3	NS	11
	0	0		12	0	3		4
KINGSTON	0	0	NS	2	0	11	NS	14
	0	0		2	0	7		10
SAUGERTIES	0	0	NS	101	0	11	NS	115
	0	0		101	0	4		98
CATSKILL	0	5	NS	0	0	12	NS	8
	0	4		0	0	6		8
ALBANY	0	1	NS	299	0	13	NS	50
	0	1		299	0	4		46
TOTAL STANDING CROP	0	6	1	536	0	50	1	222
	0	4	1	319	0	11	1	109

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	9 9	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	4 3	0 0	0 0	NS	1 1
CORNWALL	0 0	0 0	0 0	2 2	0 0	0 0	0 0	51 26
POUGHKEEPSIE	0 0	31 15	NS	3 2	0 0	80 62	NS	33 28
HYDE PARK	0 0	0 0	NS	11 7	0 0	0 0	NS	11 5
KINGSTON	0 0	5 5	NS	26 18	0 0	28 13	NS	36 18
SAUGERTIES	0 0	17 9	NS	31 23	0 0	54 21	NS	78 34
CATSKILL	0 0	0 0	NS	83 47	0 0	0 0	NS	77 45
ALBANY	0 0	2 1	NS	27 14	0 0	13 5	NS	31 19
TOTAL STANDING CROP	0 0	56 18	0 0	196 59	0 0	175 66	0 0	319 73

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	6	0	0	0	11
	0	0	0	6	0	0	0	11
WEST POINT	0	0	NS	24	0	0	NS	1
	0	0		9	0	0		1
CORNWALL	0	0	1	7	0	0	0	4
	0	0	1	7	0	0	0	2
POUGHKEEPSIE	0	0	NS	20	0	56	NS	38
	0	0		10	0	29		25
HYDE PARK	0	3	NS	18	0	6	NS	4
	0	3		10	0	4		2
KINGSTON	0	0	NS	81	0	0	NS	14
	0	0		81	0	0		8
SAUGERTIES	0	0	NS	12	0	2	NS	16
	0	0		6	0	2		9
CATSKILL	0	5	NS	65	0	19	NS	100
	0	3		19	0	6		34
ALBANY	0	0	NS	19	0	0	NS	6
	0	0		17	0	0		3
TOTAL STANDING CROP	0	9	1	251	0	83	0	193
	0	4	1	87	0	30	0	46

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	9	NS	22	0	12	NS	1
	0	6		13	0	6		1
CORNWALL	0	14	4	11	0	14	11	30
	0	14	4	7	0	9	11	17
POUGHKEEPSIE	0	0	NS	18	0	0	NS	26
	0	0		12	0	0		17
HYDE PARK	0	0	NS	7	0	0	NS	9
	0	0		5	0	0		7
KINGSTON	0	0	NS	200	0	11	NS	93
	0	0		143	0	7		36
SAUGERTIES	0	2	NS	84	0	6	NS	105
	0	2		23	0	3		35
CATSKILL	0	0	NS	83	0	9	NS	33
	0	0		30	0	4		9
ALBANY	0	24	NS	62	0	52	NS	54
	0	8		27	0	19		22
TOTAL STANDING CROP	0	49	4	486	0	103	11	353
	0	17	4	152	0	24	11	62

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	2	0	0	0	7
	0	0	0	2	0	0	0	7
WEST POINT	0	0	NS	18	0	0	NS	2
	0	0		8	0	0		1
CORNWALL	0	6	1	2	0	12	6	0
	0	6	1	2	0	12	4	0
POUGHKEEPSIE	0	0	NS	3	0	0	NS	1
	0	0		2	0	0		1
HYDE PARK	0	0	NS	3	0	0	NS	2
	0	0		3	0	0		2
KINGSTON	0	0	NS	9	0	0	NS	3
	0	0		9	0	0		3
SAUGERTIES	0	0	NS	25	0	0	NS	27
	0	0		23	0	0		27
CATSKILL	0	0	NS	51	0	36	NS	37
	0	0		38	0	20		17
ALBANY	0	0	NS	39	0	1	NS	4
	0	0		23	0	1		3
TOTAL STANDING CROP	0	6	1	152	0	49	6	85
	0	6	1	52	0	23	4	33

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	3 3	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	26 18	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	11 11	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	7 7	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	16 8	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	11 4	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	3 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	77 24	3 3	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	13 8	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	13 9	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	8 8	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	15 12	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	7 4	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	1 1	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	60 19	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	7 7	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	14 6	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	5 5	2 1	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	17 17	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	7 7	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	35 13	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	7 4	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	96 25	2 1	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	8 8	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	4 4	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	6 6	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	16 9	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	18 7	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	8 5	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	63 17	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	12 12	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	6 6	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	15 7	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	9 3	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	9 7	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	3 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	56 18	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	12 8	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	14 14	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	11 5	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	4 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	45 18	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	6 6	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	4 4	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	23 23	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	25 16	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	7 7	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	4 4	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	68 30	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	4 4	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	7 4	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	21 10	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	4 4	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	39 12	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	3 3	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	5 5	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	18 8	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	9 6	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	17 12	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	11 11	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	22 8	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	17 12	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	79 22	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 15JUL86 TO 25JUL86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	4	NS	0
	0	0		0	0	4		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	0	0	0	0	4	3	0
	0	0	0	0	0	4	3	0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 28JUL86 TO 09AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	4 4	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	4 4	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 11AUG86 TO 22AUG86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	4 4	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	7 5	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 25AUG86 TO 06SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	3 3	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 08SEP86 TO 18SEP86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 22SEP86 TO 02OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	2 2	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 07OCT86 TO 16OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	3 3	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	3 3	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 20OCT86 TO 30OCT86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 03NOV86 TO 14NOV86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1986 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 17NOV86 TO 02DEC86 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

APPENDIX J.3

1987 LONGITUDINAL RIVER SURVEY

J.3.1 Eggs and Yolk-sac Larvae

Striped bass
White perch
Alosa spp.

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	0 0	0 0	
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	
TAPPAN ZEE	0 0		0 0	0 0		0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	
HYDE PARK	0 0	0 0	NS	0 0	0 0	
KINGSTON	0 0	0 0	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	0 0	0 0	
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	14629	0	0
	0	0	0	14629	0	0
WEST POINT	19878	0	NS	0	0	
	19878	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	71359	0	NS	0	0	
	71359	0		0	0	
KINGSTON	0	46574	NS	0	0	
	0	46574		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	91237	46574	0	14629	0	0
	74076	46574	0	14629	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	318976	12013	23844
	0	0	0	96693	12013	15226
WEST POINT	312564	571204	NS	70510	33625	
	240666	295912		33530	19454	
CORNWALL	127829	816801	0	568481	489431	31104
	81384	601940	0	214162	99147	21414
POUGHKEEPSIE	286243	593596	NS	7007614	970350	
	156725	324957		2980614	175393	
HYDE PARK	227053	83184	NS	2045332	462347	
	119236	36886		664144	63899	
KINGSTON	147947	0	NS	2101881	180790	
	95639	0		460640	91974	
SAUGERTIES	0	0	NS	817833	651259	
	0	0		244316	193929	
CATSKILL	0	77374	NS	160359	110959	
	0	77374		160359	4340	
ALBANY	21069	0	NS	0	7528	
	21069	0		0	7528	
TOTAL STANDING CROP	1122705	2142159	0	1.309E7	2918303	54948
	336027	750227	0	3111122	302228	26276

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	74000
	0	0	0	0	0	33680
INDIAN POINT	0	0	0	38704	12690	8475
	0	0	0	26824	12690	8475
WEST POINT	158592	182105	NS	775836	197385	
	74418	46420		138337	72085	
CORNWALL	426	14018	3224	1018	1184	279
	426	3888	1925	571	296	49
POUGHKEEPSIE	7781850	2004513	NS	9372633	1199720	
	4745206	446863		1313298	391717	
HYDE PARK	1.386E7	7875519	NS	1.488E7	1220451	
	7654393	2866337		3445398	364411	
KINGSTON	1.164E7	2785281	NS	1.068E7	1935684	
	4372166	1480340		2870960	663723	
SAUGERTIES	377144	37221	NS	6173642	1738979	
	377144	37221		3982208	933603	
CATSKILL	0	76994	NS	0	0	
	0	76994		0	0	
ALBANY	0	0	NS	18772	0	
	0	0		18772	0	
TOTAL STANDING CROP	34249	26979	3224	42958	7488	362
	10028	5073	1925	6168	1300	60

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	32340
	0	0	0	0	0	32340
INDIAN POINT	72464	0	0	73165	85791	0
	72464	0	0	49721	41159	0
WEST POINT	80938	425742	NS	231385	1026752	
	60421	221062		85731	489932	
CORNWALL	288	1372	439	49392	7127	538
	288	762	331	29153	1518	254
POUGHKEEPSIE	1869746	1107812	NS	7.248E8	9.058E7	
	1349141	384280		1.182E8	1.923E7	
HYDE PARK	489843	87869	NS	3.457E8	3.99E7	
	273448	64110		5.947E7	2944871	
KINGSTON	164455	0	NS	5.551E7	3.158E7	
	113814	0		1.049E7	1.156E7	
SAUGERTIES	0	0	NS	6848117	1250814	
	0	0		1000008	860622	
CATSKILL	403975	0	NS	94001	0	
	262133	0		94001	0	
ALBANY	0	0	NS	0	11942	
	0	0		0	11942	
TOTAL STANDING CROP	3370	2994	439	1182737	171564	571
	1438	884	331	135903	22702	256

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	19191	0
	0	0	0	0	19191	0
INDIAN POINT	0	0	0	170549	0	0
	0	0	0	95391	0	0
WEST POINT	234622	67055	NS	1.704E7	3304155	
	119845	36977		3052743	1755518	
CORNWALL	120	574	300	132351	19831	3040
	120	335	272	76097	6594	1104
POUGHKEEPSIE	618323	676321	NS	5.818E8	5.735E7	
	365200	379685		1.037E8	1.772E7	
HYDE PARK	917967	50370	NS	1.409E8	4.342E7	
	835681	25346		3.627E7	5278945	
KINGSTON	595852	0	NS	1.824E7	2154519	
	307711	0		3418986	1170656	
SAUGERTIES	131089	131147	NS	2.592E7	7697485	
	131089	87422		1.017E7	2515139	
CATSKILL	0	38329	NS	762253	635070	
	0	38329		762253	328784	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	2617	1537	300	917266	134412	3040
	986	517	272	134123	19907	1104

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	45842	0
	0	0	0	0	45842	0
CROTON-HAVERSTRAW	0	0	0	40667	0	0
	0	0	0	40667	0	0
INDIAN POINT	0	0	0	395191	111460	0
	0	0	0	312281	53287	0
WEST POINT	1900047	1573245	NS	2.132E7	2888294	
	903151	728237		4199063	959934	
CORNWALL	1226926	137640	0	1.625E7	2675228	145756
	1226926	137640	0	4528662	1041482	34115
POUGHKEEPSIE	861386	219694	NS	1.594E8	3.695E7	
	706374	141291		2.662E7	1.417E7	
HYDE PARK	393334	450746	NS	1.334E8	3111698	
	317919	450746		3.402E7	1065797	
KINGSTON	0	0	NS	3.494E7	542407	
	0	0		2.906E7	481214	
SAUGERTIES	1048172	23776	NS	1.698E7	1709538	
	340356	23776		4595513	1568359	
CATSKILL	1768178	0	NS	488556	1735897	
	1179673	0		488556	641498	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	7198042	2405102	0	3.832E8	4.977E7	145756
	2104409	879190	0	5.263E7	1.438E7	34115

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	75894	0	30705	0	0
	0	75894	0	30705	0	0
WEST POINT	190255	432155	NS	1242586	60996	
	97635	176873		967507	40717	
CORNWALL	50380	8665151	0	201942	126433	0
	34146	2353914	0	79322	54636	0
POUGHKEEPSIE	199804	8115699	NS	792686	125186	
	199804	7944011		339800	81605	
HYDE PARK	247319	71421	NS	892240	0	
	148388	32592		382309	0	
KINGSTON	108287	0	NS	314322	0	
	108287	0		198962	0	
SAUGERTIES	2639739	28143	NS	406114	58901	
	2639739	28143		406114	34010	
CATSKILL	0	73386	NS	0	36693	
	0	73386		0	36693	
ALBANY	38441	0	NS	0	0	
	38441	0		0	0	
TOTAL STANDING CROP	3474224	1.746E7	0	3880596	408209	0
	2655949	8288094	0	1187200	117497	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	80893	0	0	0	0
	0	80893	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	66842	635236	NS	463129	8973	
	49232	263474		131370	8973	
CORNWALL	26483	163742	0	933742	120536	28835
	26483	115802	0	523076	49624	28835
POUGHKEEPSIE	3087118	1581401	NS	8105645	1326733	
	1733032	887345		2515745	969670	
HYDE PARK	4925000	708105	NS	9890588	4310284	
	3571936	449518		3655984	3132039	
KINGSTON	561089	50585	NS	3105604	391145	
	561089	50585		1362959	328855	
SAUGERTIES	3095808	0	NS	7430878	366606	
	432569	0		2334334	122774	
CATSKILL	314087	182940	NS	519556	117530	
	314087	182940		111356	75119	
ALBANY	0	11284	NS	0	0	
	0	11284		0	0	
TOTAL STANDING CROP	1.208E7	3414186	0	3.045E7	6641806	28835
	4045472	1055923	0	5225440	3298687	28835

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	61274	0	0	0	0
	0	61274		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	48123	NS	40046	0	
	0	36491		27740	0	
CORNWALL	18478	54437	0	167232	34693	0
	18478	44371	0	87538	19168	0
POUGHKEEPSIE	263099	0	NS	2725910	45267	
	263099	0		1405562	29220	
HYDE PARK	0	0	NS	276548	0	
	0	0		187002	0	
KINGSTON	0	0	NS	115199	23354	
	0	0		115199	23354	
SAUGERTIES	0	0	NS	0	28262	
	0	0		0	28262	
CATSKILL	0	0	NS	198051	0	
	0	0		198051	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	281577	163834	0	3522987	131577	0
	263747	83993	0	1439271	50650	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	26582	0	0
	0	0	0	26582	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	29943	
	0	0		0	20855	
CORNWALL	0	0	0	56338	0	0
	0	0	0	56338	0	0
POUGHKEEPSIE	0	0	NS	286639	157756	
	0	0		161413	80148	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	369560	187700	0
	0	0	0	173017	82817	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS EGGS AND YOLK-SAC LARVAE FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	0	0	0
	0	0	0	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	0 0	0 0	
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	
TAPPAN ZEE	0		0	0		0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	103	35	5	0	0	10
	103	35	5	0	0	9834
POUGHKEEPSIE	213020	690915	NS	0	59447	
	213020	476596		0	59447	
HYDE PARK	2996604	389207	NS	0	0	
	1625374	143034		0	0	
KINGSTON	113123	318694	NS	0	0	
	55290	197755		0	0	
SAUGERTIES	73066	35164	NS	0	0	
	73066	22293		0	0	
CATSKILL	1704958	2849167	NS	0	0	
	678806	1165648		0	0	
ALBANY	0	4910	NS	0	0	
	0	4910		0	0	
TOTAL STANDING CROP	5204	4323	5	0	59	10
	1780	1283	5	0	59447	9834

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	95768	0	0
	0	0	0	43000	0	0
INDIAN POINT	0	0	0	277578	0	0
	0	0	0	106365	0	0
WEST POINT	157109	0	NS	397153	66020	
	70492	0		135571	26023	
CORNWALL	0	47140	0	110710	125647	0
	0	27512	0	67875	61616	0
POUGHKEEPSIE	1842146	1260681	NS	907457	510172	
	1105096	580127		186194	192770	
HYDE PARK	6680912	818851	NS	2656490	379314	
	3932265	273409		987663	103772	
KINGSTON	113598	1.321E7	NS	1838064	601732	
	78341	8039048		717998	43039	
SAUGERTIES	113941	598436	NS	438506	140836	
	113941	312974		285208	93191	
CATSKILL	317253	5296875	NS	3212155	514648	
	159157	4860133		719405	254579	
ALBANY	307002	449844	NS	1252831	283605	
	216150	328347		259882	177370	
TOTAL STANDING CROP	9531962	2.168E7	0	1.119E7	2621976	0
	4096351	9426824	0	1492730	399012	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	21914	0	0	38976	22456	0
	21914	0	0	27014	22456	0
WEST POINT	0	15969	NS	177877	83851	
	0	15969		74676	32233	
CORNWALL	3681	5294	22	461	1410	35
	1573	4091	10	282	273	11
POUGHKEEPSIE	486740	1724792	NS	1.337E7	3297784	
	211614	642952		4439118	692708	
HYDE PARK	198494	9062524	NS	2.092E7	9558552	
	144347	4050251		4024977	1682884	
KINGSTON	1.974E7	1.227E7	NS	3.041E7	4085021	
	9318792	9851084		7994953	1439502	
SAUGERTIES	2376187	1.317E7	NS	3.695E7	2.006E7	
	2202835	6331038		1.225E7	1028718	
CATSKILL	69606	1.15E7	NS	2.207E7	1.801E7	
	69606	7222001		6957937	1.084E7	
ALBANY	21069	677056	NS	1569752	30113	
	21069	549699		445536	30113	
TOTAL STANDING CROP	26593	53727	22	125984	56565	35
	9708	14938	10	17279	11135	11

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	27736	0
	0	0	0	0	27736	0
INDIAN POINT	38704	0	0	36879	0	0
	26824	0	0	36879	0	0
WEST POINT	49026	0	NS	172218	64317	
	27351	0		55495	24926	
CORNWALL	53	2439	209	401	862	121
	53	1248	78	175	294	43
POUGHKEEPSIE	661780	1.563E8	NS	8432230	435474	
	389329	8.5E7		5311068	134301	
HYDE PARK	1.276E7	6.022E7	NS	9.021E7	2.035E7	
	6913014	2.142E7		2.091E7	3538952	
KINGSTON	3256154	1.818E7	NS	6.31E7	6.002E7	
	588256	6677280		1.527E7	1.841E7	
SAUGERTIES	628574	8460078	NS	4.526E7	3.546E7	
	628574	1030984		1.824E7	5028352	
CATSKILL	2907820	1.599E7	NS	1.222E7	4260263	
	1686542	1.195E7		1535214	1336403	
ALBANY	123233	665109	NS	4719377	318763	
	100062	359922		990134	231332	
TOTAL STANDING CROP	20484	262297	209	224547	121804	121
	7179	88741	78	32166	19458	43

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	98331	0
	0	0	0	0	98331	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	168528	0	0
	0	0	0	102265	0	0
WEST POINT	0	35804	NS	98206	141252	
	0	24474		76744	69156	
CORNWALL	0	593	72	5706	1322	269
	0	293	35	3099	340	113
POUGHKEEPSIE	175312	4.253E7	NS	7.043E7	1.8E7	
	70658	2.394E7		6934024	4086136	
HYDE PARK	364622	865103	NS	7.161E7	1.362E7	
	254636	319715		1.293E7	3024567	
KINGSTON	1.187E7	1.417E8	NS	3.007E7	1.531E7	
	5112036	4.231E7		4122547	1.15E7	
SAUGERTIES	965622	5.276E7	NS	1.031E7	2379831	
	965622	5.054E7		3577559	1276041	
CATSKILL	2979016	2.808E7	NS	6061787	613200	
	2839181	1.959E7		2291506	435172	
ALBANY	188447	50008	NS	1242232	156938	
	101114	33720		564371	78969	
TOTAL STANDING CROP	16539	266613	72	195698	51644	269
	5933	72814	35	16130	12647	113

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	49	0	0	0
	0	0	49	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	19191	0
	0	0	0	0	19191	0
INDIAN POINT	0	586145	0	0	0	0
	0	586145	0	0	0	0
WEST POINT	69298	96953	NS	1699360	97148	
	69298	45598		329142	76529	
CORNWALL	2222	17114	29	5844	5936	497
	2148	14107	24	3157	1435	236
POUGHKEEPSIE	2950482	1.146E8	NS	1.531E7	4291580	
	1989605	5.636E7		2439448	1052952	
HYDE PARK	1597983	272511	NS	1.009E7	5001690	
	797066	96267		1948261	1402913	
KINGSTON	7263528	4296664	NS	9234456	2105956	
	4355297	4086776		1091606	817293	
SAUGERTIES	131089	8015644	NS	1.999E7	1.416E7	
	131089	4430602		1.406E7	4813592	
CATSKILL	1.9E7	3.502E7	NS	7606342	2483980	
	1.475E7	1.646E7		5346816	1548744	
ALBANY	836152	1144541	NS	1477736	296658	
	726274	639727		477333	202396	
TOTAL STANDING CROP	34069	181114	78	71265	34397	497
	15694	60693	55	15730	5605	236

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	116051	0	0	0	0
	0	116051	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	182	145	0	0	0
	0	182	145	0	0	0
WEST POINT	2368364	300694	NS	1660932	790537	
	1584056	139864		665566	450083	
CORNWALL	207934	2771789	0	3867832	467222	165054
	137227	1649922	0	473288	225213	66995
POUGHKEEPSIE	542635	1.99E7	NS	6612682	648017	
	196934	6358949		1065476	292837	
HYDE PARK	511737	134745	NS	2732978	165205	
	403746	118153		510253	75169	
KINGSTON	511913	409247	NS	958683	0	
	446848	290845		276312	0	
SAUGERTIES	1.158E7	2527181	NS	6527620	1586568	
	8601901	1646982		2261044	941297	
CATSKILL	1.972E7	546410	NS	1.008E7	265335	
	4942900	546410		1206758	157931	
ALBANY	1536784	3081175	NS	5159294	674836	
	1536784	2814367		2749973	589029	
TOTAL STANDING CROP	36985	29969	145	37604	4598	165
	10184	7366	145	4034	1266	67

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	14942	0	0	0	32382
	0	14942	0	0	0	32382
INDIAN POINT	64169	75894	0	30705	0	7571
	64169	75894	0	30705	0	7571
WEST POINT	274297	233008	NS	23492	18711	
	167497	80350		23492	12287	
CORNWALL	247	6344	7	51	137	29
	152	3763	7	51	67	29
POUGHKEEPSIE	1.124E7	1619641	NS	218862	27571	
	6711988	656978		121286	27571	
HYDE PARK	902061	1.98E7	NS	102468	0	
	849156	1.486E7		67852	0	
KINGSTON	831005	2922149	NS	263528	0	
	490667	2283923		154607	0	
SAUGERTIES	1799925	112572	NS	1375269	385732	
	1799925	112572		655299	312909	
CATSKILL	1953021	2266935	NS	1116012	219593	
	1953021	2115700		1116012	168333	
ALBANY	0	189184	NS	2997252	627612	
	0	189184		961851	537603	
TOTAL STANDING CROP	17316	33580	7	6178	1416	69
	7288	15661	7	1627	649	44

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	33784	0	0
	0	0	0	33784	0	0
WEST POINT	153940	38216	NS	66757	9955	
	80239	14514		49155	9955	
CORNWALL	79448	335360	0	81153	97235	0
	79448	177644	0	58857	67313	0
POUGHKEEPSIE	0	277623	NS	266608	152103	
	0	131600		187548	119271	
HYDE PARK	469768	833010	NS	599270	64867	
	239416	436896		440410	64867	
KINGSTON	57899	96101	NS	447011	0	
	57899	66781		237813	0	
SAUGERTIES	1253873	64760	NS	1398062	161402	
	77747	64760		954189	126013	
CATSKILL	1044853	1293188	NS	1328420	1172044	
	384097	1166884		352684	817015	
ALBANY	0	34238	NS	2066705	742627	
	0	19548		1777218	566728	
TOTAL STANDING CROP	3059781	2972496	0	6287771	2400233	0
	476443	1269102	0	2118036	1013725	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	30077	0	0	0	0	0
	30077	0	0	0	0	0
WEST POINT	24692	0	NS	0	0	
	24692	0		0	0	
CORNWALL	46106	0	0	26085	39647	0
	46106	0	0	26085	18233	0
POUGHKEEPSIE	56266	0	NS	436067	95514	
	56266	0		191541	50268	
HYDE PARK	0	598249	NS	0	0	
	0	420847		0	0	
KINGSTON	0	0	NS	170673	0	
	0	0		114192	0	
SAUGERTIES	0	27221	NS	0	0	
	0	27221		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	164643	465385	
	0	0		108820	233648	
TOTAL STANDING CROP	157141	625470	0	797468	600547	0
	82498	421726	0	249500	239688	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	23445	0	
	0	0		23445	0	
CORNWALL	0	162234	0	0	13083	0
	0	130963	0	0	13083	0
POUGHKEEPSIE	0	131994	NS	0	35626	
	0	131994		0	35626	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	436012	291914	
	0	0		436012	268436	
TOTAL STANDING CROP	0	294228	0	459457	340623	0
	0	185940	0	436642	271105	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH EGGS AND YOLK-SAC LARVAE FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	
HYDE PARK	0 0	0 0	NS	0 0	0 0	
KINGSTON	0 0	32974 32974	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	0 0	0 0	
TOTAL STANDING CROP	0 0	32974 32974	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	1370912	752430	NS	40037	36174	
	869210	358611		40037	36174	
CATSKILL	687881	1505765	NS	74063	0	
	313903	672671		36682	0	
ALBANY	412315	1192556	NS	0	0	
	129336	453264		0	0	
TOTAL STANDING CROP	2471109	3450751	0	114100	36174	0
	933160	886869	0	54300	36174	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	
TAPPAN ZEE	0		0	0		0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	0	0	0	17026
	0	0	0	0	0	17026
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	21768	
	0	0		0	21768	
CORNWALL	0	0	0	89927	67294	19790
	0	0	0	89927	33673	14346
POUGHKEEPSIE	0	102026	NS	3621338	230305	
	0	51040		3621338	158865	
HYDE PARK	1787918	186767	NS	856867	90345	
	1462727	149386		315995	56000	
KINGSTON	0	14630	NS	37331	0	
	0	14630		37331	0	
SAUGERTIES	140555	135154	NS	75250	0	
	110528	113842		50181	0	
CATSKILL	1.737E7	1.166E7	NS	41433	0	
	5828268	3978054		30399	0	
ALBANY	456825	3436820	NS	0	0	
	295167	1223811		0	0	
TOTAL STANDING CROP	1.975E7	1.553E7	0	4722146	409712	36815
	6017276	4166620	0	3636875	173153	22264

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	133956	0	0
	0	0	0	81857	0	0
WEST POINT	223357	0	NS	280967	0	
	223357	0		99324	0	
CORNWALL	0	0	0	180292	196440	9044
	0	0	0	124853	70609	5603
POUGHKEEPSIE	163337	32471	NS	1676137	303761	
	108898	21712		541498	101073	
HYDE PARK	410247	0	NS	1255463	269664	
	207733	0		439024	61925	
KINGSTON	0	93230	NS	827311	640438	
	0	76055		579180	125915	
SAUGERTIES	0	699324	NS	324565	290487	
	0	541819		324565	184916	
CATSKILL	417014	7403475	NS	1.987E7	2710364	
	179191	7305162		1.512E7	2488491	
ALBANY	2406035	4082352	NS	1.909E7	4012230	
	2284153	2718622		9153142	1363691	
TOTAL STANDING CROP	3619990	1.231E7	0	4.363E7	8423383	9044
	2313950	7813841	0	1.77E7	2849794	5603

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	34408	32087	
	0	0		23970	32087	
CORNWALL	0	7808	0	0	87728	0
	0	7808	0	0	71239	0
POUGHKEEPSIE	541718	201818	NS	874204	189792	
	289716	129078		370678	90240	
HYDE PARK	302499	3212379	NS	391540	282431	
	206784	2063083		170671	75154	
KINGSTON	1.152E8	1.108E7	NS	783413	75794	
	6.436E7	5007592		354571	36664	
SAUGERTIES	7692373	7.665E7	NS	3799829	1169465	
	5666466	4.02E7		532547	164607	
CATSKILL	2403983	7.798E7	NS	9555941	1557349	
	371674	5.498E7		2785024	614668	
ALBANY	451502	1.704E7	NS	2.096E7	1008016	
	428626	1.425E7		4656926	610019	
TOTAL STANDING CROP	1.266E8	1.862E8	0	3.64E7	4402662	0
	6.461E7	6.979E7	0	5479028	893463	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	12690	0
	0	0	0	0	12690	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	8678	5378
	0	0	0	0	8678	5378
POUGHKEEPSIE	0	33861	NS	65216	20028	
	0	33861		65216	20028	
HYDE PARK	890883	9029428	NS	1.368E7	6423664	
	492256	4201152		6837056	1753263	
KINGSTON	454800	3.869E7	NS	7673761	1.046E7	
	94592	2.854E7		2426067	5029213	
SAUGERTIES	1257904	1.155E7	NS	3.685E7	2.333E7	
	906333	4947367		7454865	9196597	
CATSKILL	3167113	4.302E7	NS	1.625E7	4621580	
	1763836	3.04E7		3358372	1811882	
ALBANY	2120788	5555468	NS	1.428E8	250861	
	949669	4885952		5.41E7	122854	
TOTAL STANDING CROP	7891488	1.079E8	0	2.173E8	4.513E7	5378
	2255148	4.248E7	0	5.519E7	1.078E7	5378

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	34744	0	0
	0	0	0	34744	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	51520	4592
	0	0	0	0	20583	4592
POUGHKEEPSIE	144381	1332514	NS	700873	432187	
	99812	743724		224433	174098	
HYDE PARK	385296	451260	NS	2133232	1328220	
	251933	339819		763420	448180	
KINGSTON	5252655	1.402E8	NS	4113388	1932311	
	3556516	4.854E7		1084963	1287329	
SAUGERTIES	137946	759092	NS	2040375	401096	
	137946	517390		1274977	222912	
CATSKILL	2686048	2.096E7	NS	2.188E7	1466963	
	2686048	1.447E7		9464177	825577	
ALBANY	1721385	1431910	NS	6701854	457827	
	480096	861208		1523137	265074	
TOTAL STANDING CROP	1.033E7	1.652E8	0	3.76E7	6070123	4592
	4492951	5.067E7	0	9763590	1640228	4592

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	51208	0	0	153624	0
	0	51208	0	0	153624	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	5	54	12	0
	0	0	5	54	12	0
POUGHKEEPSIE	113348	22952	NS	4273076	803338	
	82475	15725		932990	370936	
HYDE PARK	36840	54052	NS	2490554	872204	
	36840	29620		721299	203964	
KINGSTON	517281	22784	NS	3477051	148209	
	458268	22784		1075427	119771	
SAUGERTIES	131089	3566171	NS	7997930	1563766	
	131089	3208461		7799929	448880	
CATSKILL	1.248E7	2.23E7	NS	3578161	294340	
	1.234E7	1.103E7		867945	142794	
ALBANY	9887674	1983390	NS	5.1E7	1788728	
	2743316	1504326		4.82E7	865482	
TOTAL STANDING CROP	23166	28005	5	72874	5636	0
	12651	11581	5	48865	1090	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	32431	0	0
	0	0	0	32431	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	10728	0
	0	0	0	0	10728	0
POUGHKEEPSIE	38013	400202	NS	3153556	307820	
	38013	321096		918218	177517	
HYDE PARK	71154	0	NS	762470	15183	
	71154	0		380081	15183	
KINGSTON	56845	0	NS	557105	125958	
	56845	0		491717	125958	
SAUGERTIES	883242	188488	NS	2374957	0	
	883242	120978		819529	0	
CATSKILL	3651540	109282	NS	995013	212482	
	712489	109282		245317	106372	
ALBANY	301930	1.473E7	NS	3.542E7	559606	
	245008	1.214E7		3.356E7	292261	
TOTAL STANDING CROP	5002723	1.543E7	0	4.329E7	1231778	0
	1165129	1.214E7	0	3.359E7	380072	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	437239	0	NS	54969	23348	
	265623	0		54969	23348	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	152144	NS	0	0	
	0	152144		0	0	
SAUGERTIES	0	0	NS	406114	0	
	0	0		406114	0	
CATSKILL	0	623779	NS	283432	0	
	0	623779		283432	0	
ALBANY	0	0	NS	574544	0	
	0	0		574544	0	
TOTAL STANDING CROP	437239	775923	0	1319059	23348	0
	265623	642065	0	760516	23348	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	196021	0	
	0	0		196021	0	
CATSKILL	209391	0	NS	500517	31750	
	209391	0		355240	31750	
ALBANY	0	0	NS	6047674	46679	
	0	0		4313144	46679	
TOTAL STANDING CROP	209391	0	0	6744212	78429	0
	209391	0	0	4332186	56454	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	
HYDE PARK	0 0	0 0	NS	0 0	0 0	
KINGSTON	0 0	0 0	NS	0 0	0 0	
SAUGERTIES	0 0	0 0	NS	0 0	0 0	
CATSKILL	0 0	0 0	NS	0 0	0 0	
ALBANY	0 0	0 0	NS	82369 41185	0 0	
TOTAL STANDING CROP	0 0	0 0	0 0	82369 41185	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	1703577	15888	
	0	0		1464333	15888	
TOTAL STANDING CROP	0	0	0	1703577	15888	0
	0	0	0	1464333	15888	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA EGGS AND YOLK-SAC LARVAE FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	EGGS			YOLK-SAC LARVAE		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	
	0	0		0	0	
KINGSTON	0	0	NS	0	0	
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	
	0	0		0	0	
CATSKILL	0	0	NS	0	0	
	0	0		0	0	
ALBANY	0	0	NS	0	0	
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	0	0	0
	0	0	0	0	0	0

J.3.2 Post Yolk-sac Larvae and Young-of-Year

Striped bass
White perch
Atlantic tomcod
American shad
Alosa spp.
Blueback herring
Alewife
Bay anchovy
Weakfish
White catfish
Spottail shiner
Atlantic sturgeon
Shortnose sturgeon

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	30 30	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	30 30	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	58 58	36 20	5 5	0 0	0 0	0 0
POUGHKEEPSIE	572 351	97 68	NS	0 0	0 0	NS
HYDE PARK	343 229	35 35	NS	0 0	0 0	NS
KINGSTON	288 190	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	173 87	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	1433 472	168 79	5 5	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	65	0	0	0
	0	0	65	0	0	0
INDIAN POINT	139	53	26	0	0	0
	81	36	13	0	0	0
WEST POINT	118	96	NS	0	0	NS
	77	54		0	0	
CORNWALL	4498	1368	314	0	0	0
	2650	438	197	0	0	0
POUGHKEEPSIE	12765	1391	NS	0	0	NS
	1814	259		0	0	
HYDE PARK	3275	583	NS	0	0	NS
	538	142		0	0	
KINGSTON	1758	78	NS	0	0	NS
	1262	49		0	0	
SAUGERTIES	264	189	NS	0	0	NS
	132	132		0	0	
CATSKILL	106	0	NS	0	0	NS
	106	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	22923	3756	404	0	0	0
	3498	551	208	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	360	0	242	0	0	0
	247	0	122	0	0	0
CROTON-HAVERSTRAW	2837	975	300	0	0	0
	1462	550	164	0	0	0
INDIAN POINT	13953	1930	314	0	0	0
	2682	374	169	0	0	0
WEST POINT	88461	35187	NS	0	0	NS
	15042	20593		0	0	
CORNWALL	172130	6774	8500	0	0	0
	72779	1544	3057	0	0	0
POUGHKEEPSIE	319044	56989	NS	0	0	NS
	45570	20910		0	0	
HYDE PARK	70676	14308	NS	0	0	NS
	12253	1453		0	0	
KINGSTON	13887	2756	NS	0	0	NS
	3043	521		0	0	
SAUGERTIES	1966	587	NS	0	0	NS
	830	94		0	0	
CATSKILL	381	248	NS	0	0	NS
	381	125		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	683695	119753	9356	0	0	0
	88143	29437	3068	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	82	0	0	0	0
	0	47	0	0	0	0
CROTON-HAVERSTRAW	4274	192	3134	0	0	0
	2420	89	1070	0	0	0
INDIAN POINT	107521	59280	3229	0	0	0
	30678	24767	996	0	0	0
WEST POINT	222031	43258	NS	0	0	NS
	25301	4733		0	0	
CORNWALL	228635	49867	15917	0	0	0
	31307	8742	1798	0	0	0
POUGHKEEPSIE	614971	53015	NS	0	0	NS
	78399	12098		0	0	
HYDE PARK	145906	4228	NS	0	0	NS
	37639	945		0	0	
KINGSTON	32082	1357	NS	0	0	NS
	18785	842		0	0	
SAUGERTIES	3790	2648	NS	0	0	NS
	928	1900		0	0	
CATSKILL	0	413	NS	0	0	NS
	0	49		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	1359209	214340	22280	0	0	0
	102392	29391	2317	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	365	129	405	0	0	0
	134	129	269	0	0	0
CROTON-HAVERSTRAW	654	1236	1491	0	0	0
	249	516	275	0	0	0
INDIAN POINT	23483	3742	2280	0	0	0
	7599	2271	790	0	0	0
WEST POINT	209919	28655	NS	0	0	NS
	30763	7042		0	0	
CORNWALL	91787	28214	2408	0	0	0
	15251	7087	771	0	0	0
POUGHKEEPSIE	138869	36181	NS	0	0	NS
	20058	9590		0	0	
HYDE PARK	52667	7813	NS	0	0	NS
	6783	2135		0	0	
KINGSTON	7211	6666	NS	0	0	NS
	2839	3784		0	0	
SAUGERTIES	2926	1678	NS	0	0	NS
	2114	632		0	0	
CATSKILL	385	392	NS	0	0	NS
	249	192		0	0	
ALBANY	77	0	NS	0	0	NS
	77	0		0	0	
TOTAL STANDING CROP	528343	114704	6584	0	0	0
	41204	14715	1169	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	252	0	0	0	0	0
	189	0		0	0	
TAPPAN ZEE	7302	2592	8450	0	0	0
	6161	1530	4203	0	0	0
CROTON-HAVERSTRAW	10706	2092	31102	0	0	0
	4949	697	9872	0	0	0
INDIAN POINT	15240	15248	8160	0	0	0
	2345	8127	3788	0	0	0
WEST POINT	34740	15696	NS	0	0	NS
	4519	3701		0	0	
CORNWALL	21967	10027	639	0	0	0
	6713	2416	233	0	0	0
POUGHKEEPSIE	24154	3613	NS	0	0	NS
	5595	742		0	0	
HYDE PARK	7376	2091	NS	0	0	NS
	1594	682		0	0	
KINGSTON	5519	2449	NS	0	0	NS
	2071	757		0	0	
SAUGERTIES	4050	2240	NS	0	0	NS
	1831	902		0	0	
CATSKILL	99	186	NS	0	0	NS
	99	43		0	0	
ALBANY	0	23	NS	0	0	NS
	0	23		0	0	
TOTAL STANDING CROP	131404	56258	48351	0	0	0
	13227	9530	11380	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	155	54	0	0	0	0
	105	38		0	0	
TAPPAN ZEE	1372	1365	20632	0	0	108
	690	543	13675	0	0	108
CROTON-HAVERSTRAW	6372	2564	2970	0	0	0
	1161	903	879	0	0	0
INDIAN POINT	17893	4074	4609	0	0	0
	4950	2030	2839	0	0	0
WEST POINT	14210	3252	NS	0	0	NS
	1946	1124		0	0	
CORNWALL	15922	11244	1441	0	0	0
	2742	1473	249	0	0	0
POUGHKEEPSIE	52573	14850	NS	0	0	NS
	7796	4225		0	0	
HYDE PARK	11560	1702	NS	0	0	NS
	3751	521		0	0	
KINGSTON	4313	2968	NS	0	0	NS
	1398	359		0	0	
SAUGERTIES	8944	1055	NS	0	0	NS
	5447	325		0	0	
CATSKILL	716	4588	NS	0	0	NS
	409	822		0	0	
ALBANY	239	25	NS	0	0	NS
	135	25		0	0	
TOTAL STANDING CROP	134268	47740	29652	0	0	108
	12013	5263	13996	0	0	108

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	57	0	0	0	0	0
	57	0		0	0	
TAPPAN ZEE	64	62	487	69	0	0
	64	38	487	69	0	0
CROTON-HAVERSTRAW	909	479	2355	0	586	173
	220	188	1176	0	305	173
INDIAN POINT	3151	399	242	61	0	7
	1215	150	41	42	0	7
WEST POINT	8660	2069	NS	20	0	NS
	969	244		20	0	
CORNWALL	8526	13544	1041	26	36	107
	1576	4080	224	26	27	71
POUGHKEEPSIE	10930	3443	NS	107	0	NS
	2616	876		73	0	
HYDE PARK	2719	822	NS	0	43	NS
	451	699		0	26	
KINGSTON	789	937	NS	170	0	NS
	361	402		170	0	
SAUGERTIES	1935	755	NS	0	72	NS
	24	564		0	42	
CATSKILL	383	994	NS	0	893	NS
	383	720		0	540	
ALBANY	0	32	NS	0	0	NS
	0	32		0	0	
TOTAL STANDING CROP	38123	23537	4125	452	1631	287
	3504	4361	1293	204	622	187

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR STRIPED BASS POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	100	104
	0	0		0	100	
TAPPAN ZEE	71	121	1186	73	4952	0
	71	81	995	73	2132	0
CROTON-HAVERSTRAW	198	39	85	0	409	194
	129	25	49	0	114	144
INDIAN POINT	421	828	361	190	269	272
	219	796	89	89	195	203
WEST POINT	1174	77	NS	316	50	NS
	238	43		138	50	
CORNWALL	5885	903	478	108	115	379
	2616	296	321	84	68	222
POUGHKEEPSIE	4245	152	NS	51	0	NS
	3250	61		51	0	
HYDE PARK	351	201	NS	407	19	NS
	169	79		360	19	
KINGSTON	55	150	NS	0	196	NS
	55	88		0	196	
SAUGERTIES	0	87	NS	209	244	NS
	0	87		209	144	
CATSKILL	0	49	NS	0	3002	NS
	0	49		0	1382	
ALBANY	0	0	NS	0	135	NS
	0	0		0	68	
TOTAL STANDING CROP	12399	2607	2110	1354	9491	949
	4191	871	1050	464	2566	334

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0	NS	0	0	NS	0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	20	0	0	0
	0	0	20	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	32	0	NS	0	0	NS
	32	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	32	0	20	0	0	0
	32	0	20	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	16 16	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	16 16	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	27 27	0 0	0 0	0 0	0 0
INDIAN POINT	267 103	0 0	0 0	0 0	0 0	0 0
WEST POINT	163 59	16 16	NS	0 0	0 0	NS
CORNWALL	1179 557	689 173	64 32	0 0	0 0	0 0
POUGHKEEPSIE	2795 664	778 242	NS	0 0	0 0	NS
HYDE PARK	2482 380	502 74	NS	0 0	0 0	NS
KINGSTON	1449 332	494 144	NS	0 0	0 0	NS
SAUGERTIES	1502 143	1694 176	NS	0 0	0 0	NS
CATSKILL	1534 368	3632 2527	NS	0 0	0 0	NS
ALBANY	0 0	7 7	NS	0 0	0 0	NS
TOTAL STANDING CROP	11371 1084	7839 2556	64 32	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	107	0	0	0
	0	0	107	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	22	0	0	0	0	0
	22	0	0	0	0	0
WEST POINT	99	126	NS	0	0	NS
	44	45		0	0	
CORNWALL	1952	1213	500	0	0	0
	1686	388	128	0	0	0
POUGHKEEPSIE	13533	1771	NS	0	0	NS
	3357	463		0	0	
HYDE PARK	30084	4189	NS	0	0	NS
	5926	841		0	0	
KINGSTON	17685	19512	NS	0	0	NS
	10689	11410		0	0	
SAUGERTIES	58966	5655	NS	0	0	NS
	10352	1304		0	0	
CATSKILL	5877	3640	NS	0	0	NS
	774	1828		0	0	
ALBANY	19	8	NS	0	0	NS
	19	8		0	0	
TOTAL STANDING CROP	128238	36113	607	0	0	0
	16470	11675	167	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	98	109	0	0	0
	0	98	109	0	0	0
CROTON-HAVERSTRAW	98	0	0	0	0	0
	98	0	0	0	0	0
INDIAN POINT	289	17	12	0	0	0
	90	17	12	0	0	0
WEST POINT	370	858	NS	0	0	NS
	127	599		0	0	
CORNWALL	49649	7515	1319	0	0	0
	30824	1466	339	0	0	0
POUGHKEEPSIE	210600	30872	NS	0	0	NS
	19983	6262		0	0	
HYDE PARK	280900	73255	NS	0	0	NS
	30971	12430		0	0	
KINGSTON	181034	106748	NS	0	0	NS
	23800	18510		0	0	
SAUGERTIES	168937	19543	NS	0	0	NS
	49404	5505		0	0	
CATSKILL	9005	9127	NS	0	0	NS
	2358	2534		0	0	
ALBANY	5048	977	NS	0	0	NS
	2525	888		0	0	
TOTAL STANDING CROP	905931	249009	1440	0	0	0
	72991	24008	357	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	114	0	0	0
	0	0	114	0	0	0
CROTON-HAVERSTRAW	41	186	97	0	0	0
	41	92	40	0	0	0
INDIAN POINT	2071	169	36	0	0	0
	507	43	36	0	0	0
WEST POINT	15924	2931	NS	0	0	NS
	2055	659		0	0	
CORNWALL	38993	14853	3503	0	0	0
	15025	4171	1075	0	0	0
POUGHKEEPSIE	604768	58489	NS	0	0	NS
	71926	12190		0	0	
HYDE PARK	223290	45563	NS	0	0	NS
	36579	3948		0	0	
KINGSTON	259435	55268	NS	0	0	NS
	67724	14085		0	0	
SAUGERTIES	150576	52235	NS	0	0	NS
	51517	8939		0	0	
CATSKILL	50570	17959	NS	0	0	NS
	48035	8342		0	0	
ALBANY	620	274	NS	0	0	NS
	461	206		0	0	
TOTAL STANDING CROP	1346288	247926	3750	0	0	0
	127631	23021	1083	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	57	0	0	0
	0	0	57	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	83	0	0	0	0	0
	48	0	0	0	0	0
INDIAN POINT	12652	4557	177	0	0	0
	3138	1926	48	0	0	0
WEST POINT	101526	9500	NS	0	0	NS
	14291	1099		0	0	
CORNWALL	77497	29231	14215	0	0	0
	11060	7223	1172	0	0	0
POUGHKEEPSIE	364656	49842	NS	0	0	NS
	48633	12760		0	0	
HYDE PARK	647844	26771	NS	0	0	NS
	133080	5786		0	0	
KINGSTON	149003	14875	NS	0	0	NS
	70799	3356		0	0	
SAUGERTIES	240322	61389	NS	0	0	NS
	52312	17535		0	0	
CATSKILL	45330	26633	NS	0	0	NS
	8508	5505		0	0	
ALBANY	2150	809	NS	0	0	NS
	1798	789		0	0	
TOTAL STANDING CROP	1641064	223606	14449	0	0	0
	168037	24557	1174	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	87	16	135	0	0	0
	60	16	92	0	0	0
INDIAN POINT	1662	967	105	0	0	0
	802	866	59	0	0	0
WEST POINT	25152	5849	NS	0	0	NS
	3611	1046		0	0	
CORNWALL	72741	24991	2188	0	0	0
	13910	4516	1528	0	0	0
POUGHKEEPSIE	388404	56937	NS	0	0	NS
	40588	13119		0	0	
HYDE PARK	238887	66512	NS	0	0	NS
	24027	21261		0	0	
KINGSTON	69723	98662	NS	0	0	NS
	24964	39518		0	0	
SAUGERTIES	188095	104845	NS	0	0	NS
	24302	14037		0	0	
CATSKILL	96733	68785	NS	0	0	NS
	42552	26371		0	0	
ALBANY	12776	6490	NS	0	0	NS
	7046	6380		0	0	
TOTAL STANDING CROP	1094259	434053	2429	0	0	0
	74202	56047	1532	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	100	0	0	0	0
	0	66		0	0	
TAPPAN ZEE	0	5066	525	0	0	0
	0	5023	525	0	0	0
CROTON-HAVERSTRAW	1571	751	7768	0	0	0
	1371	229	4957	0	0	0
INDIAN POINT	9944	2991	4088	0	0	0
	1033	1216	2688	0	0	0
WEST POINT	55976	14873	NS	0	0	NS
	7708	3441		0	0	
CORNWALL	74656	26758	822	0	0	0
	15175	3980	65	0	0	0
POUGHKEEPSIE	76206	17931	NS	0	0	NS
	11207	5519		0	0	
HYDE PARK	108724	32960	NS	0	0	NS
	28546	5786		0	0	
KINGSTON	85982	54353	NS	0	0	NS
	20991	7514		0	0	
SAUGERTIES	129124	47893	NS	0	0	NS
	31114	14060		0	0	
CATSKILL	66904	62354	NS	0	0	NS
	17302	28367		0	0	
ALBANY	0	3995	NS	0	0	NS
	0	3995		0	0	
TOTAL STANDING CROP	609086	270026	13203	0	0	0
	54232	34542	5664	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	31	0	0	0	0
	0	31		0	0	
TAPPAN ZEE	0	0	120	0	0	0
	0	0	120	0	0	0
CROTON-HAVERSTRAW	327	32	72	0	0	0
	126	20	72	0	0	0
INDIAN POINT	17134	2137	1192	0	0	0
	6300	1200	439	0	0	0
WEST POINT	17249	6806	NS	0	0	NS
	2069	2343		0	0	
CORNWALL	10714	13726	1215	0	0	0
	1745	1899	280	0	0	0
POUGHKEEPSIE	96789	21222	NS	0	0	NS
	21690	3709		0	0	
HYDE PARK	118980	12480	NS	0	16	NS
	42658	3512		0	16	
KINGSTON	97216	34033	NS	0	0	NS
	22652	8126		0	0	
SAUGERTIES	120180	38985	NS	0	0	NS
	56788	8933		0	0	
CATSKILL	55199	155911	NS	0	0	NS
	19084	32258		0	0	
ALBANY	49132	1081	NS	0	0	NS
	24302	857		0	0	
TOTAL STANDING CROP	582920	286444	2599	0	16	0
	83846	34982	539	0	16	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	128	0	0	0	0	0
	128	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	734	128	1014	0	0	43
	350	57	873	0	0	43
INDIAN POINT	3379	840	376	0	0	0
	358	215	143	0	0	0
WEST POINT	22678	4324	NS	21	0	NS
	2443	779		21	0	
CORNWALL	21928	28867	1787	0	0	0
	2704	2484	216	0	0	0
POUGHKEEPSIE	38383	20686	NS	0	0	NS
	5284	6636		0	0	
HYDE PARK	34524	6342	NS	53	0	NS
	3895	2556		53	0	
KINGSTON	15007	17234	NS	0	0	NS
	6044	1645		0	0	
SAUGERTIES	34869	27243	NS	0	0	NS
	3133	8928		0	0	
CATSKILL	42597	4288	NS	0	45	NS
	7650	1841		0	45	
ALBANY	291	211	NS	0	16	NS
	291	211		0	16	
TOTAL STANDING CROP	214518	110164	3177	75	61	43
	12712	11969	910	57	47	43

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE PERCH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	34	0	0	0	0	0
	34	0	0	0	0	0
INDIAN POINT	846	463	67	0	26	33
	296	405	44	0	26	33
WEST POINT	4554	1404	NS	24	0	NS
	477	587		24	0	
CORNWALL	5746	3108	319	25	18	8
	1501	454	128	25	12	8
POUGHKEEPSIE	11971	2248	NS	0	31	NS
	2746	483		0	31	
HYDE PARK	5156	2424	NS	105	42	NS
	613	760		69	42	
KINGSTON	3771	12179	NS	106	160	NS
	758	1291		67	35	
SAUGERTIES	2961	6619	NS	0	0	NS
	869	5701		0	0	
CATSKILL	5355	4244	NS	0	0	NS
	2430	2341		0	0	
ALBANY	0	65	NS	0	0	NS
	0	65		0	0	
TOTAL STANDING CROP	40392	32753	386	260	277	41
	4210	6417	135	103	69	34

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	199173	170149	3101	0	0	0
	46463	31359	1693	0	0	0
TAPPAN ZEE	91841	12608	25122	0	0	0
	38838	6444	15896	0	0	0
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	291013	182757	28223	0	0	0
	60558	32014	15986	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	20205	6182	NS	2829	22450	NS
TAPPAN ZEE	32024 9951	NS	8166 3417	5069 1051	NS	2264 1306
CROTON-HAVERSTRAW	1006 582	0 0	441 250	1152 456	0 0	1044 602
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	53235 9968	6182 0	8607 3426	9049 1146	22450 0	3308 1438

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	174370	145934	49692	916	161	24237
	72649	42420	29544	468	161	24196
TAPPAN ZEE	15616	5352	29426	153	1064	10399
	7989	1567	8320	153	261	2476
CROTON-HAVERSTRAW	6119	7552	45083	2529	783	599
	2518	2642	12642	816	411	259
INDIAN POINT	21019	2357	459	4376	1299	644
	10880	1333	253	2248	767	192
WEST POINT	3221	67	NS	693	67	NS
	1044	27		285	29	
CORNWALL	119	62	24	759	87	40
	74	40	15	312	63	29
POUGHKEEPSIE	71	31	NS	373	47	NS
	71	31		229	47	
HYDE PARK	0	0	NS	0	9	NS
	0	0		0	9	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	20	0	NS	20	0	NS
	20	0		20	0	
TOTAL STANDING CROP	220555	161356	124685	9819	3517	35919
	73943	42552	33196	2488	927	24324

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	379	0	27	51047	8583	1545
	379	0	27	36189	2086	668
TAPPAN ZEE	437	253	0	25045	14620	40965
	245	110	0	21950	7662	20483
CROTON-HAVERSTRAW	0	0	26	3223	1158	5303
	0	0	26	1264	155	1632
INDIAN POINT	138	64	0	40477	10880	337
	62	64	0	10131	7765	108
WEST POINT	0	0	NS	1049	469	NS
	0	0		260	101	
CORNWALL	0	0	0	99	67	46
	0	0	0	99	26	24
POUGHKEEPSIE	0	0	NS	219	113	NS
	0	0		156	80	
HYDE PARK	0	0	NS	65	147	NS
	0	0		44	46	
KINGSTON	0	0	NS	80	30	NS
	0	0		52	30	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	954	317	53	121304	36067	48196
	455	127	38	43540	11108	20559

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	824	59	0	102330	38523	25496
	824	59	0	54142	13490	13601
TAPPAN ZEE	0	0	0	405	4839	1157
	0	0	0	405	2829	589
CROTON-HAVERSTRAW	0	0	29	506	7313	801
	0	0	29	323	4164	255
INDIAN POINT	40	0	8	30057	30228	275
	28	0	8	12833	24502	101
WEST POINT	33	0	NS	12433	4959	NS
	23	0		1757	1582	
CORNWALL	0	8	5	3036	5985	1740
	0	8	5	1593	1453	1205
POUGHKEEPSIE	0	0	NS	31702	32110	NS
	0	0		14997	7625	
HYDE PARK	0	0	NS	436	1202	NS
	0	0		157	552	
KINGSTON	0	0	NS	506	941	NS
	0	0		159	401	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	110	NS
	0	0		0	67	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	897	67	42	181412	126210	29469
	825	60	31	57680	29511	13669

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	171	0	0	169487	9043	10435
	171	0	0	67149	394	5645
TAPPAN ZEE	0	0	120	9363	22179	21988
	0	0	120	1383	8310	11341
CROTON-HAVERSTRAW	47	0	0	747	7369	1484
	47	0	0	431	2550	1086
INDIAN POINT	0	0	0	6817	7635	1239
	0	0	0	2104	2236	994
WEST POINT	0	0	NS	4419	4494	NS
	0	0		581	1783	
CORNWALL	58	304	0	1916	3612	231
	58	304	0	1193	994	137
POUGHKEEPSIE	0	26	NS	2465	11249	NS
	0	18		779	3818	
HYDE PARK	0	0	NS	2855	579	NS
	0	0		1193	254	
KINGSTON	0	0	NS	213	1138	NS
	0	0		160	234	
SAUGERTIES	0	0	NS	0	141	NS
	0	0		0	69	
CATSKILL	0	0	NS	0	74	NS
	0	0		0	74	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	276	330	120	198281	67513	35376
	186	305	120	67226	9980	12754

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	1499	37566	11352
	0	0	0	927	23771	8480
TAPPAN ZEE	0	0	0	197	10888	2537
	0	0	0	113	1936	1403
CROTON-HAVERSTRAW	0	0	0	0	1685	287
	0	0	0	0	778	211
INDIAN POINT	0	0	0	4567	3723	1041
	0	0	0	1727	1265	969
WEST POINT	47	0	NS	4820	4319	NS
	47	0		1175	1481	
CORNWALL	0	0	0	108	3544	168
	0	0	0	108	798	99
POUGHKEEPSIE	0	0	NS	1953	7547	NS
	0	0		917	1748	
HYDE PARK	0	0	NS	522	394	NS
	0	0		211	118	
KINGSTON	0	0	NS	166	136	NS
	0	0		112	86	
SAUGERTIES	0	0	NS	0	408	NS
	0	0		0	276	
CATSKILL	0	0	NS	0	77	NS
	0	0		0	77	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	47	0	0	13831	70285	15385
	47	0	0	2479	24021	8653

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	198	68155	5020
	0	0	0	198	20298	2521
TAPPAN ZEE	0	0	0	526	10623	3741
	0	0	0	526	1197	2423
CROTON-HAVERSTRAW	0	0	0	0	2740	54
	0	0	0	0	990	54
INDIAN POINT	0	0	0	2788	7918	87
	0	0	0	1642	1741	87
WEST POINT	0	0	NS	8538	7353	NS
	0	0		2813	2021	
CORNWALL	0	0	0	1032	2351	76
	0	0	0	860	612	76
POUGHKEEPSIE	0	0	NS	37	5124	NS
	0	0		37	1073	
HYDE PARK	0	0	NS	142	641	NS
	0	0		142	210	
KINGSTON	0	0	NS	284	634	NS
	0	0		284	304	
SAUGERTIES	0	0	NS	132	77	NS
	0	0		132	53	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	13679	105617	8978
	0	0	0	3433	20572	3499

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	1770	5498	5809
	0	0		1077	2096	
TAPPAN ZEE	0	0	0	2448	6385	1545
	0	0	0	2448	2716	1545
CROTON-HAVERSTRAW	0	0	0	28	1146	0
	0	0	0	28	347	0
INDIAN POINT	0	0	0	977	2840	114
	0	0	0	344	2265	106
WEST POINT	0	0	NS	9329	6818	NS
	0	0		1796	3134	
CORNWALL	0	0	0	52	782	0
	0	0	0	35	274	0
POUGHKEEPSIE	0	0	NS	1936	2295	NS
	0	0		883	713	
HYDE PARK	0	0	NS	1216	3032	NS
	0	0		486	643	
KINGSTON	0	0	NS	0	462	NS
	0	0		0	197	
SAUGERTIES	0	0	NS	0	29	NS
	0	0		0	29	
CATSKILL	0	0	NS	0	106	NS
	0	0		0	63	
ALBANY	0	0	NS	0	12	NS
	0	0		0	12	
TOTAL STANDING CROP	0	0	0	17756	29404	7467
	0	0	0	3393	5280	1549

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	818	8703	2389
	0	0		376	1163	
TAPPAN ZEE	0	0	0	0	2152	1313
	0	0	0	0	1819	1313
CROTON-HAVERSTRAW	0	0	0	0	2980	0
	0	0	0	0	785	0
INDIAN POINT	0	0	0	2096	4143	0
	0	0	0	1078	1971	0
WEST POINT	0	0	NS	5391	7379	NS
	0	0		1526	1506	
CORNWALL	0	0	0	79	1045	51
	0	0	0	79	308	32
POUGHKEEPSIE	0	0	NS	528	1569	NS
	0	0		317	523	
HYDE PARK	0	0	NS	0	299	NS
	0	0		0	122	
KINGSTON	0	0	NS	112	807	NS
	0	0		112	242	
SAUGERTIES	0	0	NS	0	185	NS
	0	0		0	62	
CATSKILL	0	0	NS	0	1207	NS
	0	0		0	1207	
ALBANY	0	0	NS	39	0	NS
	0	0		39	0	
TOTAL STANDING CROP	0	0	0	9063	30469	3754
	0	0	0	1937	3651	1313

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	451 297	16822 5552	3400
TAPPAN ZEE	0 0	0 0	0 0	169 108	3192 951	137 137
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	1381 356	84 49
INDIAN POINT	0 0	0 0	0 0	311 128	3170 1700	75 49
WEST POINT	0 0	0 0	NS	1547 346	9165 2580	NS
CORNWALL	0 0	0 0	0 0	504 216	2055 1076	21 13
POUGHKEEPSIE	0 0	0 0	NS	838 390	1800 663	NS
HYDE PARK	0 0	0 0	NS	0 0	324 41	NS
KINGSTON	0 0	0 0	NS	173 173	186 101	NS
SAUGERTIES	0 0	0 0	NS	0 0	57 33	NS
CATSKILL	0 0	0 0	NS	0 0	36 36	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	3993 682	38188 6558	3718 155

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	311	960	81
	0	0		255	323	
TAPPAN ZEE	0	0	0	403	35	0
	0	0	0	219	35	0
CROTON-HAVERSTRAW	0	0	0	0	593	0
	0	0	0	0	331	0
INDIAN POINT	0	0	0	868	55	0
	0	0	0	838	38	0
WEST POINT	0	0	NS	3167	1179	NS
	0	0		722	657	
CORNWALL	0	0	0	25	3506	79
	0	0	0	25	1338	40
POUGHKEEPSIE	0	0	NS	54	1769	NS
	0	0		54	446	
HYDE PARK	0	0	NS	49	600	NS
	0	0		49	242	
KINGSTON	0	0	NS	0	38	NS
	0	0		0	38	
SAUGERTIES	0	0	NS	0	210	NS
	0	0		0	165	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	4877	8945	160
	0	0	0	1158	1651	40

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC TOMCOD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	139	2771	730
	0	0		139	738	
TAPPAN ZEE	0	0	0	73	83	0
	0	0	0	73	51	0
CROTON-HAVERSTRAW	0	0	0	0	37	0
	0	0	0	0	37	0
INDIAN POINT	0	0	0	951	1815	8
	0	0	0	569	830	8
WEST POINT	0	0	NS	6950	8141	NS
	0	0		1582	2749	
CORNWALL	0	0	0	51	2388	379
	0	0	0	51	1053	215
POUGHKEEPSIE	0	0	NS	0	368	NS
	0	0		0	151	
HYDE PARK	0	0	NS	606	509	NS
	0	0		443	173	
KINGSTON	0	0	NS	47	320	NS
	0	0		47	251	
SAUGERTIES	0	0	NS	0	68	NS
	0	0		0	68	
CATSKILL	0	0	NS	0	146	NS
	0	0		0	146	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	8818	16647	1117
	0	0	0	1747	3170	215

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0	NS	0	0	NS	0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	0	0	0
	0	0	0	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	9 9	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	75 75	NS	0 0	0 0	NS
CATSKILL	427 315	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	427 315	85 76	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	65 65	0 0	NS	0 0	0 0	NS
HYDE PARK	34 34	81 60	NS	0 0	0 0	NS
KINGSTON	95 62	0 0	NS	0 0	0 0	NS
SAUGERTIES	2769 2401	319 170	NS	0 0	0 0	NS
CATSKILL	2855 423	714 550	NS	0 0	0 0	NS
ALBANY	62 62	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	5879 2441	1115 579	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	36 36	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	104 57	0 0	NS	0 0	0 0	NS
HYDE PARK	347 167	49 25	NS	0 0	0 0	NS
KINGSTON	482 109	101 71	NS	0 0	0 0	NS
SAUGERTIES	1238 1043	330 164	NS	0 0	0 0	NS
CATSKILL	6587 1691	6082 3593	NS	0 0	0 0	NS
ALBANY	5738 1774	1137 1118	NS	0 0	0 0	NS
TOTAL STANDING CROP	14532 2672	7700 3767	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	11 11	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	645 191	10 10	NS	0 0	0 0	NS
HYDE PARK	200 94	10 10	NS	0 0	0 0	NS
KINGSTON	586 473	115 56	NS	0 0	0 0	NS
SAUGERTIES	1435 879	322 104	NS	0 0	0 0	NS
CATSKILL	18901 8828	790 254	NS	0 0	0 0	NS
ALBANY	694 486	80 80	NS	0 0	0 0	NS
TOTAL STANDING CROP	22461 8900	1338 292	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	72 72	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	349 146	12 12	NS	0 0	0 0	NS
HYDE PARK	477 235	30 30	NS	0 0	0 0	NS
KINGSTON	609 376	0 0	NS	0 0	0 0	NS
SAUGERTIES	10088 6989	120 37	NS	0 0	0 0	NS
CATSKILL	17164 4588	257 88	NS	0 0	0 0	NS
ALBANY	802 455	345 328	NS	0 0	0 0	NS
TOTAL STANDING CROP	29561 8386	765 343	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	30	0	0	0	0	0
	30	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	50	0	0	0	0	0
	34	0	0	0	0	0
POUGHKEEPSIE	695	0	NS	0	0	NS
	363	0		0	0	
HYDE PARK	481	0	NS	0	0	NS
	327	0		0	0	
KINGSTON	357	78	NS	0	0	NS
	182	26		0	0	
SAUGERTIES	8552	1530	NS	0	0	NS
	6927	363		0	0	
CATSKILL	20161	1347	NS	0	0	NS
	4988	978		0	0	
ALBANY	17266	127	NS	0	12	NS
	14534	55		0	12	
TOTAL STANDING CROP	47593	3082	0	0	12	0
	16863	1045	0	0	12	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	79	0	0	0	0	0
	42	0	0	0	0	0
POUGHKEEPSIE	421	0	NS	0	0	NS
	225	0		0	0	
HYDE PARK	1300	40	NS	0	0	NS
	493	40		0	0	
KINGSTON	2174	142	NS	0	0	NS
	1261	142		0	0	
SAUGERTIES	19913	196	NS	0	0	NS
	14587	124		0	0	
CATSKILL	18431	6447	NS	106	0	NS
	2451	5619		106	0	
ALBANY	464	620	NS	0	0	NS
	267	388		0	0	
TOTAL STANDING CROP	42782	7444	0	106	0	0
	14857	5635	0	106	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	23 23	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	598 336	0 0	NS	109 75	0 0	NS
HYDE PARK	491 236	33 20	NS	109 72	0 0	NS
KINGSTON	1457 566	484 179	NS	393 223	184 84	NS
SAUGERTIES	632 243	900 322	NS	0 0	676 259	NS
CATSKILL	13273 6113	3055 2302	NS	106 106	137 68	NS
ALBANY	10213 4757	522 320	NS	78 78	59 59	NS
TOTAL STANDING CROP	26663 7780	5016 2354	0 0	796 279	1056 286	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	86 59	9 9	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	10 10
POUGHKEEPSIE	59 59	0 0	NS	164 164	0 0	NS
HYDE PARK	159 80	63 42	NS	1104 501	338 202	NS
KINGSTON	955 267	65 65	NS	583 198	158 35	NS
SAUGERTIES	2868 2868	1373 441	NS	1171 788	1816 755	NS
CATSKILL	3285 1258	701 345	NS	595 278	421 233	NS
ALBANY	264 158	271 102	NS	0 0	16 16	NS
TOTAL STANDING CROP	7590 3148	2472 574	0 0	3703 1009	2759 817	10 10

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR AMERICAN SHAD POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	58	0	0
	0	0		58	0	
TAPPAN ZEE	0	0	0	71	368	129
	0	0	0	71	181	129
CROTON-HAVERSTRAW	0	0	0	0	37	0
	0	0	0	0	37	0
INDIAN POINT	0	0	0	0	25	24
	0	0	0	0	25	16
WEST POINT	0	0	NS	45	0	NS
	0	0		31	0	
CORNWALL	0	0	0	25	21	0
	0	0	0	25	21	0
POUGHKEEPSIE	0	0	NS	267	602	NS
	0	0		131	229	
HYDE PARK	49	0	NS	432	21	NS
	49	0		121	21	
KINGSTON	0	28	NS	638	94	NS
	0	28		278	32	
SAUGERTIES	209	191	NS	1010	1356	NS
	209	77		244	379	
CATSKILL	1064	137	NS	521	649	NS
	925	81		118	167	
ALBANY	466	946	NS	35	781	NS
	20	791		35	633	
TOTAL STANDING CROP	1788	1302	0	3103	3953	154
	950	800	0	440	813	130

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	13 13	11 11	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	13 13	11 11	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0	NS	0	0	NS	0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	52	NS	0	0	NS
	0	52		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	52	0	0	0	0
	0	52	0	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	156	22	0	0	0	0
	103	22	0	0	0	0
WEST POINT	182	144	NS	0	0	NS
	83	82		0	0	
CORNWALL	160	237	22	0	0	0
	160	53	10	0	0	0
POUGHKEEPSIE	1841	1315	NS	0	0	NS
	672	363		0	0	
HYDE PARK	434	111	NS	0	0	NS
	282	41		0	0	
KINGSTON	112	140	NS	0	0	NS
	112	76		0	0	
SAUGERTIES	0	282	NS	0	0	NS
	0	282		0	0	
CATSKILL	1206	0	NS	0	0	NS
	1206	0		0	0	
ALBANY	0	196	NS	0	0	NS
	0	149		0	0	
TOTAL STANDING CROP	4090	2446	22	0	0	0
	1429	501	10	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	49	0	0	0	0
	0	49	0	0	0	0
CROTON-HAVERSTRAW	62	0	55	0	0	0
	39	0	35	0	0	0
INDIAN POINT	463	60	8	0	0	0
	143	40	8	0	0	0
WEST POINT	654	398	NS	0	0	NS
	128	27		0	0	
CORNWALL	334	1055	316	0	0	0
	183	231	128	0	0	0
POUGHKEEPSIE	5714	3277	NS	0	0	NS
	2116	924		0	0	
HYDE PARK	3594	1547	NS	0	0	NS
	622	158		0	0	
KINGSTON	3225	4238	NS	0	0	NS
	558	994		0	0	
SAUGERTIES	27687	11928	NS	0	0	NS
	5744	1872		0	0	
CATSKILL	45477	36498	NS	0	0	NS
	14676	13151		0	0	
ALBANY	319	529	NS	0	0	NS
	255	329		0	0	
TOTAL STANDING CROP	87530	59580	379	0	0	0
	15928	13360	133	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	2966	0	0	0	0	0
	2966	0	0	0	0	0
TAPPAN ZEE	0	47	0	0	0	0
	0	47	0	0	0	0
CROTON-HAVERSTRAW	153	29	159	0	0	0
	74	29	82	0	0	0
INDIAN POINT	113	106	55	0	0	0
	41	44	14	0	0	0
WEST POINT	175	211	NS	0	0	NS
	69	40		0	0	
CORNWALL	445	1539	397	0	0	0
	269	463	167	0	0	0
POUGHKEEPSIE	3353	1454	NS	0	0	NS
	1015	442		0	0	
HYDE PARK	4150	3088	NS	0	0	NS
	886	934		0	0	
KINGSTON	4446	31183	NS	0	0	NS
	1594	16765		0	0	
SAUGERTIES	213168	90924	NS	0	0	NS
	142171	17643		0	0	
CATSKILL	88113	35066	NS	0	0	NS
	27833	7693		0	0	
ALBANY	1733	2005	NS	0	0	NS
	1733	1277		0	0	
TOTAL STANDING CROP	318813	165651	611	0	0	0
	144926	25582	186	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	46	0
	0	0	0	0	46	0
CROTON-HAVERSTRAW	0	24	0	0	0	0
	0	24	0	0	0	0
INDIAN POINT	104	35	0	0	0	0
	55	35	0	0	0	0
WEST POINT	0	85	NS	0	0	NS
	0	42		0	0	
CORNWALL	278	1805	478	0	0	0
	85	626	214	0	0	0
POUGHKEEPSIE	7286	5266	NS	0	0	NS
	1167	1036		0	0	
HYDE PARK	20045	23500	NS	0	0	NS
	2881	5380		0	0	
KINGSTON	43926	34996	NS	0	0	NS
	13472	20292		0	0	
SAUGERTIES	44334	21036	NS	0	0	NS
	4456	10441		0	0	
CATSKILL	43013	73361	NS	0	0	NS
	5994	37902		0	0	
ALBANY	20809	9397	NS	0	0	NS
	10595	8518		0	0	
TOTAL STANDING CROP	179795	169504	478	0	46	0
	18953	45390	214	0	46	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	51	114	0	0	0
	0	51	114	0	0	0
CROTON-HAVERSTRAW	0	19	65	0	0	0
	0	19	65	0	0	0
INDIAN POINT	139	44	12	0	0	0
	62	29	12	0	0	0
WEST POINT	322	212	NS	0	0	NS
	106	42		0	0	
CORNWALL	4334	3486	220	0	0	0
	1584	894	99	0	0	0
POUGHKEEPSIE	42849	13780	NS	0	0	NS
	7583	2597		0	0	
HYDE PARK	64597	17387	NS	0	0	NS
	6717	1942		0	0	
KINGSTON	93142	45536	NS	0	0	NS
	13311	6121		0	0	
SAUGERTIES	152074	168341	NS	0	0	NS
	44678	44141		0	0	
CATSKILL	244152	147347	NS	0	0	NS
	164137	58604		0	0	
ALBANY	215383	15658	NS	0	0	NS
	115210	13883		0	0	
TOTAL STANDING CROP	816991	411862	411	0	0	0
	206138	74996	165	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	133	99	0	0	0	0
	45	99	0	0	0	0
INDIAN POINT	176	69	77	0	0	0
	67	34	29	0	0	0
WEST POINT	1331	1375	NS	0	0	NS
	429	610		0	0	
CORNWALL	6053	11744	1775	0	0	0
	2347	2351	970	0	0	0
POUGHKEEPSIE	89062	25379	NS	0	0	NS
	22584	5983		0	0	
HYDE PARK	108202	44733	NS	0	0	NS
	16472	14759		0	0	
KINGSTON	88289	144191	NS	0	0	NS
	25755	68536		0	0	
SAUGERTIES	281258	94369	NS	0	0	NS
	154013	28343		0	0	
CATSKILL	810892	147748	NS	0	0	NS
	292832	32023		0	0	
ALBANY	100260	77523	NS	0	0	NS
	73457	63417		0	0	
TOTAL STANDING CROP	1485656	547230	1852	0	0	0
	341053	103958	971	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	301	0	0	0
	0	0	173	0	0	0
CROTON-HAVERSTRAW	30	77	0	0	0	0
	30	37	0	0	0	0
INDIAN POINT	536	648	71	0	0	0
	150	504	32	0	0	0
WEST POINT	2275	637	NS	0	0	NS
	335	188		0	0	
CORNWALL	4148	2500	580	0	0	0
	1168	622	101	0	0	0
POUGHKEEPSIE	128171	10987	NS	0	0	NS
	20896	4232		0	0	
HYDE PARK	114963	8386	NS	0	0	NS
	18114	1200		0	0	
KINGSTON	83207	61177	NS	0	25	NS
	15381	32298		0	25	
SAUGERTIES	166414	104441	NS	0	0	NS
	3341	16748		0	0	
CATSKILL	248163	77646	NS	0	0	NS
	69304	17556		0	0	
ALBANY	60420	50499	NS	0	28	NS
	12956	41415		0	14	
TOTAL STANDING CROP	808328	316998	952	0	53	0
	77362	58026	203	0	29	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	54	0	0	0	0
	0	24	0	0	0	0
INDIAN POINT	132	0	70	0	0	0
	59	0	23	0	0	0
WEST POINT	974	115	NS	0	0	NS
	178	36		0	0	
CORNWALL	1706	848	605	0	0	0
	410	260	130	0	0	0
POUGHKEEPSIE	39667	11299	NS	0	0	NS
	10725	2735		0	0	
HYDE PARK	76707	13013	NS	0	0	NS
	23659	2367		0	0	
KINGSTON	46769	22222	NS	0	0	NS
	24639	4338		0	0	
SAUGERTIES	84629	20069	NS	0	0	NS
	31808	4896		0	0	
CATSKILL	121667	47695	NS	0	0	NS
	27779	10343		0	0	
ALBANY	12162	15091	NS	0	57	NS
	5086	10469		0	40	
TOTAL STANDING CROP	384414	130407	675	0	57	0
	55600	16509	132	0	40	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	28	0	0	0	0
	0	28		0	0	
TAPPAN ZEE	0	0	120	0	0	0
	0	0	120	0	0	0
CROTON-HAVERSTRAW	0	15	0	0	0	0
	0	15	0	0	0	0
INDIAN POINT	231	23	1608	31	0	0
	148	23	1608	31	0	0
WEST POINT	110	33	NS	0	0	NS
	55	23		0	0	
CORNWALL	279	155	7	0	0	0
	111	48	7	0	0	0
POUGHKEEPSIE	53438	1398	NS	0	0	NS
	20656	908		0	0	
HYDE PARK	53333	3455	NS	0	17	NS
	12340	834		0	17	
KINGSTON	49221	6115	NS	58	116	NS
	6986	650		58	70	
SAUGERTIES	75587	35194	NS	0	26	NS
	44985	3452		0	26	
CATSKILL	155186	45244	NS	317	197	NS
	21762	4647		317	197	
ALBANY	51060	27177	NS	0	941	NS
	22497	9649		0	474	
TOTAL STANDING CROP	438444	118837	1735	406	1297	0
	60259	11338	1613	324	519	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	113	665	NS	18	0	NS
	57	643		18	0	
CORNWALL	725	343	53	0	0	0
	226	104	31	0	0	0
POUGHKEEPSIE	12746	1861	NS	0	0	NS
	3259	369		0	0	
HYDE PARK	39811	7146	NS	700	1958	NS
	16413	2581		525	1198	
KINGSTON	82678	79997	NS	2669	3435	NS
	36546	11789		661	1346	
SAUGERTIES	127539	20809	NS	2910	1743	NS
	17416	6647		616	529	
CATSKILL	138355	117088	NS	794	1551	NS
	19741	91684		333	509	
ALBANY	3592	7577	NS	0	354	NS
	2156	6787		0	197	
TOTAL STANDING CROP	405560	235487	53	7091	9041	0
	48097	92964	31	1097	1956	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALOSA POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	37 37	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	30 30	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	10 10	0 0
POUGHKEEPSIE	4887 1415	331 170	NS	475 217	32 32	NS
HYDE PARK	20260 7672	3528 1342	NS	5154 1539	1318 550	NS
KINGSTON	37473 16272	14681 4400	NS	16743 5180	13425 3990	NS
SAUGERTIES	22716 2799	26237 6932	NS	4304 2389	23467 12852	NS
CATSKILL	42582 10514	14971 3979	NS	3453 1712	6080 1003	NS
ALBANY	805 76	10929 4557	NS	0 0	19523 16824	NS
TOTAL STANDING CROP	128753 21071	70679 10288	0 0	30129 6155	63892 21574	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	12 12	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	12 12	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	82 82	NS
SAUGERTIES	0 0	0 0	NS	0 0	79 79	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	162 114	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BLUEBACK HERRING POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	8 8
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	370 189	475 375	NS
HYDE PARK	0 0	0 0	NS	2023 866	582 313	NS
KINGSTON	0 0	0 0	NS	357 184	1023 345	NS
SAUGERTIES	0 0	0 0	NS	0 0	3053 2543	NS
CATSKILL	0 0	0 0	NS	285 285	1914 570	NS
ALBANY	0 0	0 0	NS	0 0	2935 704	NS
TOTAL STANDING CROP	0 0	0 0	0 0	3035 949	9981 2765	8 8

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE
POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS
(IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM
WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	110 110	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	110 110	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	121 60	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	121 60	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	107 83	NS
KINGSTON	0 0	0 0	NS	344 177	524 315	NS
SAUGERTIES	0 0	0 0	NS	979 979	533 319	NS
CATSKILL	0 0	0 0	NS	103 103	441 266	NS
ALBANY	0 0	0 0	NS	0 0	80 43	NS
TOTAL STANDING CROP	0 0	0 0	0 0	1427 1001	1686 529	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ALEWIFE POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	0	0	0	0
	0	0		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	22	0
	0	0	0	0	22	0
INDIAN POINT	0	0	0	37	26	66
	0	0	0	37	26	28
WEST POINT	0	0	NS	67	0	NS
	0	0		47	0	
CORNWALL	0	0	0	30	19	0
	0	0	0	30	13	0
POUGHKEEPSIE	0	0	NS	0	62	NS
	0	0		0	40	
HYDE PARK	0	0	NS	145	210	NS
	0	0		106	101	
KINGSTON	0	0	NS	678	263	NS
	0	0		276	120	
SAUGERTIES	0	0	NS	0	493	NS
	0	0		0	449	
CATSKILL	0	0	NS	475	2795	NS
	0	0		475	501	
ALBANY	0	0	NS	0	61	NS
	0	0		0	31	
TOTAL STANDING CROP	0	0	0	1431	3949	66
	0	0	0	563	694	28

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0	NS	0	0	NS	0
	0		0	0		0
CROTON-HAVERSTRAW	0	0	0	0	0	0
	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0
	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	NS
	0	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	0	0	0	0	0	0
	0	0	0	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	121 121	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	37 37	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	37 37	0 0	121 121	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	2458	1778	0	0	0	0
	2337	1008		0	0	
TAPPAN ZEE	2344	508	2542	0	0	0
	1578	432	2542	0	0	0
CROTON-HAVERSTRAW	4484	482	1293	0	0	0
	1426	244	547	0	0	0
INDIAN POINT	4568	663	617	0	0	0
	1338	464	225	0	0	0
WEST POINT	1587	27	NS	0	0	NS
	1430	27		0	0	
CORNWALL	0	34	0	0	0	0
	0	34	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	15441	3493	4451	0	0	0
	3718	1217	2610	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	16069	8976	0	0	0	0
	7526	3765		0	0	
TAPPAN ZEE	58973	69110	14525	0	0	0
	27722	33768	9328	0	0	0
CROTON-HAVERSTRAW	31969	28270	28324	0	0	0
	7471	10276	13598	0	0	0
INDIAN POINT	118662	34180	918	0	0	0
	33069	8123	355	0	0	0
WEST POINT	3350	295	NS	0	0	NS
	1292	170		0	0	
CORNWALL	961	65	0	0	0	0
	527	65	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	229984	140898	43767	0	0	0
	44457	36416	16494	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	11224	47974	13146	0	0	0
	7388	29103		0	0	
TAPPAN ZEE	23930	14708	63858	0	0	0
	7795	10726	14639	0	0	0
CROTON-HAVERSTRAW	44609	38952	88971	0	0	0
	10718	3816	26196	0	0	0
INDIAN POINT	105038	6437	7330	0	0	0
	20839	2968	2864	0	0	0
WEST POINT	13866	991	NS	0	0	NS
	3561	450		0	0	
CORNWALL	2014	813	459	0	0	0
	773	278	195	0	0	0
POUGHKEEPSIE	1718	303	NS	0	0	NS
	1557	153		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	202399	110178	173763	0	0	0
	26080	31396	30146	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	87441	26474	5266	0	0	0
	27931	7707		0	0	
TAPPAN ZEE	84597	92671	107791	0	0	0
	10165	31667	39238	0	0	0
CROTON-HAVERSTRAW	51541	25063	70065	0	0	0
	11424	5262	17810	0	0	0
INDIAN POINT	132228	43252	19792	0	0	0
	24050	12183	6126	0	0	0
WEST POINT	18502	2009	NS	0	0	NS
	3301	1291		0	0	
CORNWALL	7147	2239	1087	0	0	0
	1291	610	474	0	0	0
POUGHKEEPSIE	2599	1288	NS	0	0	NS
	765	779		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	384055	192997	204002	0	0	0
	40069	35227	43527	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR BAY ANCHOVY POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	67631	141521	91421	0	0	0
	15964	43129		0	0	
TAPPAN ZEE	177998	57808	122834	0	0	0
	56718	9592	32339	0	0	0
CROTON-HAVERSTRAW	101688	42115	75705	0	0	0
	12324	10308	7417	0	0	0
INDIAN POINT	659838	111815	24446	0	0	0
	124322	48989	8172	0	0	0
WEST POINT	90164	3154	NS	0	0	NS
	29398	2669		0	0	
CORNWALL	15619	1747	423	0	0	0
	5598	277	196	0	0	0
POUGHKEEPSIE	63149	2933	NS	0	0	NS
	26352	1614		0	0	
HYDE PARK	414	45	NS	0	0	NS
	181	45		0	0	
KINGSTON	0	33	NS	0	0	NS
	0	33		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	1176501	361171	314827	0	0	0
	143769	66844	34171	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	63 63	0 0	0	0 0	0 0	0
TAPPAN ZEE	224 159	89 55	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	65 41	99 35	41 41	0 0	0 0	0 0
INDIAN POINT	0 0	19 19	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	352 176	207 67	41 41	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	28	0	0	0	0
	0	28		0	0	
TAPPAN ZEE	0	0	0	0	0	0
	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	45	0	0	0
	0	0	45	0	0	0
INDIAN POINT	189	88	32	0	0	0
	105	63	15	0	0	0
WEST POINT	23	0	NS	0	0	NS
	23	0		0	0	
CORNWALL	0	0	0	0	0	0
	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	NS
	0	0		0	0	
HYDE PARK	0	0	NS	0	0	NS
	0	0		0	0	
KINGSTON	0	0	NS	0	0	NS
	0	0		0	0	
SAUGERTIES	0	0	NS	0	0	NS
	0	0		0	0	
CATSKILL	0	0	NS	0	0	NS
	0	0		0	0	
ALBANY	0	0	NS	0	0	NS
	0	0		0	0	
TOTAL STANDING CROP	212	116	77	0	0	0
	108	68	47	0	0	0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	65 65	13 13	0 0	53 53	30 20	0 0
INDIAN POINT	61 41	39 39	6 6	61 41	35 21	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	126 77	52 41	6 6	114 67	65 29	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WEAKFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	34 34	0 0	0 0
WEST POINT	52 36	0 0	NS	46 46	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	13 13	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	52 36	0 0	0 0	79 57	13 13	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	163 118	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	163 118	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR WHITE CATFISH POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	93 93	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	93 93	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	45 45	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	45 45	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SPOTTAIL SHINER POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR ATLANTIC STURGEON POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 14APR87 TO 18APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 20APR87 TO 26APR87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0	0	NS	0	0	NS
TAPPAN ZEE	0 0	NS	0 0	0 0	NS	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 27APR87 TO 01MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 04MAY87 TO 08MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 11MAY87 TO 16MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 18MAY87 TO 22MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 26MAY87 TO 30MAY87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 01JUN87 TO 04JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 08JUN87 TO 12JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 15JUN87 TO 18JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 22JUN87 TO 26JUN87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 29JUN87 TO 02JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

1987 LONGITUDINAL RIVER SURVEY STANDING CROP DATA (IN THOUSANDS) FOR SHORTNOSE STURGION POST YOLK-SAC LARVAE AND YOUNG OF YEAR FROM 06JUL87 TO 09JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED.

REGION	POST YOLK-SAC LARVAE			YOUNG-OF-YEAR		
	CHANNEL	BOTTOM	SHOAL	CHANNEL	BOTTOM	SHOAL
YONKERS	0 0	0 0	0	0 0	0 0	0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	NS
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	NS
HYDE PARK	0 0	0 0	NS	0 0	0 0	NS
KINGSTON	0 0	0 0	NS	0 0	0 0	NS
SAUGERTIES	0 0	0 0	NS	0 0	0 0	NS
CATSKILL	0 0	0 0	NS	0 0	0 0	NS
ALBANY	0 0	0 0	NS	0 0	0 0	NS
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0

APPENDIX J.4

1987 FALL SHOALS & BEACH SEINE SURVEYS

J.4.1 Young-of-Year and Yearling and Older

Striped bass
White perch
Atlantic tomcod
American shad
Blueback herring
Alewife
Bay anchovy
Weakfish
White catfish
Spottail shiner
Atlantic sturgeon
Shortnose sturgeon

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	185 116	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	273 95	NS	NS	NS	6 4
INDIAN POINT	NS	NS	NS	17 14	NS	NS	NS	2 2
WEST POINT	NS	NS	NS	3 2	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	4 4	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	17 17	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	19 18	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	19 19	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	99 47	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	67 50	NS	NS	NS	0 0
ALBANY	NS	NS	NS	8 8	NS	NS	NS	2 2
TOTAL STANDING CROP	NS	NS	NS	710 169	NS	NS	NS	10 5

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	11	6	17	0	0	3	0
	0	11	6	6	0	0	3	0
TAPPAN ZEE	394	203	1986	186	0	0	67	0
	169	100	451	80	0	0	27	0
CROTON-HAVERSTRAW	0	159	2277	182	0	0	104	0
	0	42	350	53	0	0	25	0
INDIAN POINT	0	25	255	37	0	4	6	0
	0	12	93	16	0	4	4	0
WEST POINT	316	14	NS	129	0	0	NS	1
	316	8		45	0	0		1
CORNWALL	79	62	57	137	0	0	0	4
	79	39	25	76	0	0	0	2
POUGHKEEPSIE	409	8	NS	71	0	0	NS	4
	205	8		59	0	0		4
HYDE PARK	86	36	NS	9	0	0	NS	<0.5
	86	17		5	0	0		<0.5
KINGSTON	90	160	NS	150	0	0	NS	0
	57	56		124	0	0		0
SAUGERTIES	187	300	NS	160	0	3	NS	0
	139	85		60	0	3		0
CATSKILL	0	107	NS	41	0	0	NS	0
	0	31		12	0	0		0
ALBANY	0	25	NS	99	0	1	NS	0
	0	8		80	0	1		0
TOTAL STANDING CROP	1561	1110	4581	1217	0	8	180	9
	455	159	579	215	0	5	37	5

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	13	57	57	0	12	4	0
	0	13	23	13	0	12	4	0
TAPPAN ZEE	461	1125	1625	661	0	0	62	2
	397	897	281	141	0	0	17	2
CROTON-HAVERSTRAW	68	1660	621	154	0	3	25	0
	68	941	120	44	0	3	9	0
INDIAN POINT	0	322	79	46	0	0	4	2
	0	78	35	10	0	0	2	2
WEST POINT	0	13	NS	8	0	0	NS	0
	0	9		3	0	0		0
CORNWALL	0	34	41	80	0	0	0	0
	0	17	18	32	0	0	0	0
POUGHKEEPSIE	0	33	NS	37	0	0	NS	1
	0	24		13	0	0		1
HYDE PARK	0	10	NS	2	0	3	NS	0
	0	6		1	0	3		0
KINGSTON	532	89	NS	7	0	2	NS	0
	169	65		5	0	2		0
SAUGERTIES	0	280	NS	57	0	0	NS	0
	0	84		22	0	0		0
CATSKILL	0	89	NS	33	43	0	NS	2
	0	35		17	43	0		2
ALBANY	0	6	NS	78	0	0	NS	2
	0	3		36	0	0		2
TOTAL STANDING CROP	1062	3673	2423	1220	43	21	95	9
	437	1308	309	160	43	13	20	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	35	154	39	0	0	0	0
	0	15	62	18	0	0	0	0
TAPPAN ZEE	0	1192	2294	712	0	0	29	25
	0	448	312	194	0	0	13	25
CROTON-HAVERSTRAW	0	952	1476	640	0	0	49	0
	0	184	163	139	0	0	15	0
INDIAN POINT	0	91	475	112	0	0	11	0
	0	34	37	52	0	0	11	0
WEST POINT	0	6	NS	13	0	0	NS	1
	0	4		7	0	0		1
CORNWALL	0	102	54	217	0	0	1	2
	0	14	28	34	0	0	1	2
POUGHKEEPSIE	0	213	NS	7	0	0	NS	1
	0	140		3	0	0		1
HYDE PARK	0	12	NS	4	0	0	NS	0
	0	6		2	0	0		0
KINGSTON	0	341	NS	7	0	3	NS	0
	0	48		4	0	3		0
SAUGERTIES	166	215	NS	51	0	0	NS	2
	114	102		32	0	0		2
CATSKILL	0	29	NS	242	0	0	NS	0
	0	10		130	0	0		0
ALBANY	0	10	NS	19	0	0	NS	0
	0	5		9	0	0		0
TOTAL STANDING CROP	166	3200	4453	2063	0	3	91	30
	114	519	361	281	0	3	23	25

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	59	45	50	0	0	0	0
	0	59	24	23	0	0	0	0
TAPPAN ZEE	120	1485	1700	1869	0	12	17	0
	120	626	410	684	0	12	9	0
CROTON-HAVERSTRAW	0	494	277	519	0	3	13	0
	0	124	83	137	0	3	7	0
INDIAN POINT	343	316	142	131	0	0	4	0
	343	114	49	60	0	0	2	0
WEST POINT	0	6	NS	34	0	0	NS	0
	0	4		16	0	0		0
CORNWALL	0	150	27	140	0	0	0	0
	0	77	7	77	0	0	0	0
POUGHKEEPSIE	0	34	NS	9	0	0	NS	0
	0	16		3	0	0		0
HYDE PARK	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
KINGSTON	0	142	NS	0	0	0	NS	0
	0	58		0	0	0		0
SAUGERTIES	99	171	NS	125	0	6	NS	0
	99	53		51	0	6		0
CATSKILL	0	174	NS	179	0	0	NS	0
	0	104		31	0	0		0
ALBANY	0	31	NS	70	0	0	NS	0
	0	15		40	0	0		0
TOTAL STANDING CROP	562	3063	2192	3127	0	21	34	0
	377	669	422	708	0	13	12	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	90	96	20	0	0	0	0
	0	49	43	8	0	0	0	0
TAPPAN ZEE	61	359	1228	2571	0	0	3	4
	61	107	235	890	0	0	3	3
CROTON-HAVERSTRAW	56	211	317	2735	0	0	9	10
	56	72	65	1040	0	0	5	10
INDIAN POINT	0	46	32	100	0	0	0	0
	0	24	14	37	0	0	0	0
WEST POINT	0	3	NS	20	0	0	NS	0
	0	3		8	0	0		0
CORNWALL	0	68	15	117	0	0	0	0
	0	44	5	68	0	0	0	0
POUGHKEEPSIE	206	34	NS	34	0	0	NS	0
	206	26		13	0	0		0
HYDE PARK	0	0	NS	<0.5	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	0	185	NS	3	0	0	NS	0
	0	64		3	0	0		0
SAUGERTIES	0	213	NS	242	0	0	NS	0
	0	69		70	0	0		0
CATSKILL	0	86	NS	197	0	2	NS	0
	0	33		55	0	2		0
ALBANY	0	1	NS	111	0	0	NS	4
	0	1		73	0	0		4
TOTAL STANDING CROP	323	1298	1688	6149	0	2	12	17
	222	179	248	1376	0	2	6	11

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	28	38	0	0	0	5
	0	0	28	23	0	0	0	5
TAPPAN ZEE	0	381	1077	1889	0	0	12	4
	0	136	152	520	0	0	7	3
CROTON-HAVERSTRAW	0	190	523	2272	0	0	0	0
	0	59	95	808	0	0	0	0
INDIAN POINT	0	110	71	92	0	0	2	0
	0	44	17	24	0	0	2	0
WEST POINT	0	12	NS	22	0	0	NS	0
	0	5		12	0	0		0
CORNWALL	80	5	12	57	0	0	0	0
	80	5	5	21	0	0	0	0
POUGHKEEPSIE	626	15	NS	4	0	0	NS	0
	357	9		3	0	0		0
HYDE PARK	0	0	NS	1	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	44	16	NS	0	0	0	NS	0
	44	10		0	0	0		0
SAUGERTIES	0	53	NS	35	0	3	NS	2
	0	24		16	0	3		2
CATSKILL	78	4	NS	79	0	0	NS	8
	78	4		39	0	0		8
ALBANY	0	3	NS	12	0	0	NS	0
	0	2		10	0	0		0
TOTAL STANDING CROP	828	789	1711	4501	0	3	13	18
	377	158	182	963	0	3	7	10

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	105	98	53	0	0	0	2
	0	41	50	34	0	0	0	2
TAPPAN ZEE	175	163	2523	399	0	0	52	0
	123	51	401	81	0	0	21	0
CROTON-HAVERSTRAW	0	82	773	763	0	0	18	0
	0	21	147	382	0	0	6	0
INDIAN POINT	0	5	35	253	0	0	2	2
	0	5	16	93	0	0	2	2
WEST POINT	160	0	NS	20	0	0	NS	2
	160	0		10	0	0		2
CORNWALL	0	4	1	28	0	0	0	2
	0	4	1	8	0	0	0	2
POUGHKEEPSIE	0	0	NS	26	0	0	NS	0
	0	0		16	0	0		0
HYDE PARK	0	3	NS	<0.5	0	0	NS	0
	0	3		<0.5	0	0		0
KINGSTON	0	18	NS	9	0	0	NS	0
	0	8		5	0	0		0
SAUGERTIES	0	29	NS	33	0	0	NS	0
	0	11		18	0	0		0
CATSKILL	0	27	NS	37	0	0	NS	0
	0	13		15	0	0		0
ALBANY	0	1	NS	16	0	2	NS	0
	0	1		5	0	2		0
TOTAL STANDING CROP	335	438	3430	1636	0	2	72	7
	202	72	430	404	0	2	22	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	26	53	33	0	0	0	2
	0	16	13	12	0	0	0	2
TAPPAN ZEE	0	260	2368	102	0	7	22	6
	0	140	412	23	0	7	10	3
CROTON-HAVERSTRAW	0	30	999	192	0	6	33	6
	0	9	212	51	0	4	14	3
INDIAN POINT	0	10	9	11	0	5	5	0
	0	10	5	3	0	5	2	0
WEST POINT	0	0	NS	2	0	0	NS	0
	0	0		1	0	0		0
CORNWALL	0	5	17	5	0	5	7	2
	0	5	7	4	0	5	7	2
POUGHKEEPSIE	0	0	NS	11	0	0	NS	1
	0	0		8	0	0		1
HYDE PARK	0	3	NS	<0.5	0	0	NS	0
	0	3		<0.5	0	0		0
KINGSTON	0	5	NS	2	0	0	NS	0
	0	5		2	0	0		0
SAUGERTIES	45	30	NS	7	0	0	NS	2
	45	30		5	0	0		2
CATSKILL	0	18	NS	16	0	0	NS	0
	0	11		8	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	45	387	3447	382	0	23	67	18
	45	145	464	59	0	10	19	5

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	107	68	26	15	0	8	0	2
	107	28	14	3	0	8	0	2
TAPPAN ZEE	44	0	181	30	0	0	21	0
	44	0	47	11	0	0	9	0
CROTON-HAVERSTRAW	0	11	97	42	0	0	0	0
	0	11	24	14	0	0	0	0
INDIAN POINT	171	0	4	17	0	5	2	0
	171	0	2	17	0	5	2	0
WEST POINT	0	8	NS	5	0	0	NS	0
	0	5		3	0	0		0
CORNWALL	0	18	3	28	0	0	0	0
	0	12	2	18	0	0	0	0
POUGHKEEPSIE	0	8	NS	1	0	0	NS	0
	0	8		1	0	0		0
HYDE PARK	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
KINGSTON	0	22	NS	3	0	0	NS	2
	0	6		3	0	0		2
SAUGERTIES	60	20	NS	0	0	0	NS	0
	60	9		0	0	0		0
CATSKILL	0	12	NS	2	0	0	NS	0
	0	5		2	0	0		0
ALBANY	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
TOTAL STANDING CROP	382	170	311	147	0	13	23	3
	215	36	54	31	0	10	10	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER STRIPED BASS FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	114 23	NS	NS	NS	3 2
TAPPAN ZEE	NS	NS	NS	218 71	NS	NS	NS	4 4
CROTON-HAVERSTRAW	NS	NS	NS	38 13	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	4 4	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	2 1	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	2 2	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	1 1	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	2 2	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	381 76	NS	NS	NS	7 4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	2 2	NS	NS	NS	113 39
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	1471 952
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	85 56
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	13 7
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	34 18
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	11 10
HYDE PARK	NS	NS	NS	3 1	NS	NS	NS	3 2
KINGSTON	NS	NS	NS	22 22	NS	NS	NS	21 21
SAUGERTIES	NS	NS	NS	43 27	NS	NS	NS	20 14
CATSKILL	NS	NS	NS	94 40	NS	NS	NS	150 45
ALBANY	NS	NS	NS	37 37	NS	NS	NS	23 23
TOTAL STANDING CROP	NS	NS	NS	201 65	NS	NS	NS	1942 957

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	20	25	0
	0	0	0	0	0	20	12	0
TAPPAN ZEE	0	0	0	8	0	281	875	333
	0	0	0	6	0	64	240	234
CROTON-HAVERSTRAW	0	0	0	8	0	165	980	549
	0	0	0	4	0	37	204	213
INDIAN POINT	0	0	2	6	0	392	199	116
	0	0	2	4	0	201	48	73
WEST POINT	0	0	NS	4	0	9	NS	42
	0	0		2	0	6		16
CORNWALL	0	0	6	9	0	399	340	128
	0	0	3	4	0	202	141	47
POUGHKEEPSIE	196	39	NS	9	0	802	NS	10
	196	22		3	0	468		7
HYDE PARK	86	15	NS	20	256	321	NS	2
	86	5		18	256	92		2
KINGSTON	45	9	NS	65	90	463	NS	162
	45	7		53	57	228		83
SAUGERTIES	0	49	NS	131	374	262	NS	109
	0	29		69	322	120		34
CATSKILL	0	5	NS	67	130	159	NS	18
	0	3		40	130	31		16
ALBANY	0	14	NS	27	17	107	NS	21
	0	7		17	17	33		17
TOTAL STANDING CROP	327	131	8	352	868	3380	2419	1491
	218	39	3	99	435	619	349	341

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	48	39	0
	0	0	0	0	0	34	19	0
TAPPAN ZEE	0	0	0	51	0	215	3919	394
	0	0	0	22	0	75	1223	106
CROTON-HAVERSTRAW	0	0	0	19	0	87	2152	252
	0	0	0	8	0	45	864	96
INDIAN POINT	0	49	2	0	148	98	50	90
	0	43	2	0	148	57	28	68
WEST POINT	157	0	NS	6	0	14	NS	5
	157	0		5	0	9		3
CORNWALL	0	19	7	7	0	88	137	14
	0	13	3	5	0	39	99	5
POUGHKEEPSIE	247	32	NS	3	191	790	NS	71
	247	15		2	191	183		60
HYDE PARK	0	19	NS	18	355	176	NS	8
	0	19		13	264	55		3
KINGSTON	168	23	NS	43	425	295	NS	15
	123	8		25	269	66		8
SAUGERTIES	0	18	NS	43	52	346	NS	174
	0	11		17	52	80		52
CATSKILL	0	15	NS	152	297	305	NS	356
	0	7		63	297	63		181
ALBANY	0	18	NS	124	0	50	NS	43
	0	8		103	0	26		29
TOTAL STANDING CROP	572	192	9	466	1467	2513	6297	1422
	318	54	4	128	540	256	1501	255

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	16	67	0
	0	0	0	0	0	16	54	0
TAPPAN ZEE	0	0	0	74	0	174	1343	138
	0	0	0	30	0	77	268	40
CROTON-HAVERSTRAW	0	0	0	106	0	174	999	695
	0	0	0	37	0	67	264	229
INDIAN POINT	0	16	13	131	0	324	70	131
	0	16	6	99	0	174	14	68
WEST POINT	0	0	NS	22	0	37	NS	11
	0	0		10	0	30		5
CORNWALL	0	47	13	64	0	113	65	108
	0	31	7	19	0	36	22	19
POUGHKEEPSIE	0	119	NS	78	217	597	NS	24
	0	47		40	217	334		8
HYDE PARK	0	177	NS	13	0	216	NS	1
	0	62		7	0	93		1
KINGSTON	0	42	NS	22	127	487	NS	9
	0	13		17	87	142		7
SAUGERTIES	53	15	NS	55	713	392	NS	29
	53	6		23	455	107		17
CATSKILL	0	4	NS	492	0	321	NS	260
	0	4		291	0	61		75
ALBANY	0	2	NS	16	0	69	NS	49
	0	1		9	0	21		46
TOTAL STANDING CROP	53	421	26	1071	1058	2919	2544	1455
	53	87	9	316	511	446	381	260

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	42	0
	0	0	0	0	0	0	24	0
TAPPAN ZEE	0	0	0	27	0	177	1944	1316
	0	0	0	16	0	94	629	1146
CROTON-HAVERSTRAW	0	0	0	61	0	111	291	92
	0	0	0	25	0	37	96	38
INDIAN POINT	0	8	19	107	0	226	177	90
	0	8	15	44	0	78	39	14
WEST POINT	0	10	NS	72	0	32	NS	6
	0	7		25	0	10		2
CORNWALL	0	165	21	32	0	262	87	69
	0	41	9	18	0	34	25	44
POUGHKEEPSIE	0	309	NS	82	0	579	NS	27
	0	111		34	0	229		14
HYDE PARK	0	371	NS	48	0	1118	NS	6
	0	95		20	0	401		3
KINGSTON	0	99	NS	62	93	496	NS	28
	0	30		18	93	100		14
SAUGERTIES	148	74	NS	158	494	447	NS	133
	101	17		69	388	86		52
CATSKILL	0	229	NS	970	40	1036	NS	155
	0	97		428	40	323		145
ALBANY	0	20	NS	47	76	185	NS	83
	0	12		31	76	40		46
TOTAL STANDING CROP	148	1286	41	1666	703	4669	2540	2006
	101	184	17	441	408	595	639	1158

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	88 59	37 14	0 0
TAPPAN ZEE	0 0	0 0	0 0	102 43	0 0	114 32	2061 687	242 130
CROTON-HAVERSTRAW	0 0	0 0	0 0	647 296	0 0	71 33	598 174	1450 1360
INDIAN POINT	0 0	0 0	5 5	190 105	0 0	177 119	199 57	63 39
WEST POINT	0 0	0 0	NS	48 22	0 0	0 0	NS	23 11
CORNWALL	0 0	151 63	22 7	208 80	0 0	196 77	515 105	53 39
POUGHKEEPSIE	627 365	163 126	NS	3 3	1898 1898	942 808	NS	13 9
HYDE PARK	0 0	256 90	NS	3 3	0 0	431 102	NS	2 1
KINGSTON	0 0	149 40	NS	160 76	161 161	878 394	NS	14 6
SAUGERTIES	0 0	24 9	NS	406 102	0 0	258 45	NS	295 139
CATSKILL	0 0	51 24	NS	83 33	0 0	1043 418	NS	155 81
ALBANY	0 0	8 6	NS	37 30	0 0	113 35	NS	113 71
TOTAL STANDING CROP	627 365	803 174	27 9	1887 355	2059 1904	4311 1011	3410 719	2423 1378

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	36	6
	0	0	0	0	0	0	21	4
TAPPAN ZEE	0	0	0	61	0	187	1221	337
	0	0	0	30	0	77	273	178
CROTON-HAVERSTRAW	0	0	8	221	0	142	1228	213
	0	0	4	66	0	30	216	136
INDIAN POINT	0	24	0	63	0	206	290	52
	0	24	0	39	0	50	89	36
WEST POINT	141	37	NS	67	0	43	NS	23
	141	9		38	0	23		18
CORNWALL	0	5	15	98	0	188	186	25
	0	5	8	33	0	109	19	19
POUGHKEEPSIE	0	53	NS	0	0	880	NS	6
	0	27		0	0	702		4
HYDE PARK	93	66	NS	4	282	373	NS	1
	93	21		4	181	102		<0.5
KINGSTON	0	64	NS	74	0	490	NS	21
	0	32		33	0	72		17
SAUGERTIES	82	10	NS	68	327	542	NS	140
	82	6		31	327	121		99
CATSKILL	0	0	NS	116	168	224	NS	155
	0	0		66	87	44		62
ALBANY	0	4	NS	2	0	66	NS	8
	0	4		2	0	19		8
TOTAL STANDING CROP	316	261	24	774	776	3342	2961	987
	188	54	9	125	383	739	360	257

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	87	413	218	2
	0	0	0	0	87	199	139	2
TAPPAN ZEE	0	14	114	142	0	38	7866	240
	0	14	56	53	0	19	1571	90
CROTON-HAVERSTRAW	0	35	164	65	0	77	1598	69
	0	20	48	53	0	42	229	54
INDIAN POINT	0	41	16	140	0	33	99	11
	0	20	10	64	0	13	55	9
WEST POINT	160	7	NS	14	0	0	NS	42
	160	4		5	0	0		33
CORNWALL	0	134	9	114	0	183	17	80
	0	54	7	34	0	65	12	26
POUGHKEEPSIE	369	52	NS	16	0	292	NS	35
	369	19		3	0	55		22
HYDE PARK	419	129	NS	0	127	270	NS	1
	214	35		0	127	82		1
KINGSTON	171	184	NS	65	340	413	NS	22
	127	43		31	295	88		7
SAUGERTIES	258	76	NS	117	226	171	NS	80
	167	20		55	226	34		25
CATSKILL	0	43	NS	441	0	223	NS	110
	0	18		252	0	53		42
ALBANY	0	11	NS	54	0	35	NS	8
	0	5		29	0	8		6
TOTAL STANDING CROP	1378	725	303	1168	779	2149	9799	701
	502	90	75	282	402	260	1595	126

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	38	0	0	311	604	6
	0	0	22	0	0	178	234	4
TAPPAN ZEE	0	6	680	42	0	323	7593	70
	0	6	218	20	0	96	1252	30
CROTON-HAVERSTRAW	0	4	621	52	0	169	1727	35
	0	4	148	19	0	42	282	17
INDIAN POINT	0	32	31	2	0	28	37	9
	0	23	29	2	0	24	22	5
WEST POINT	159	17	NS	7	128	16	NS	1
	159	8		5	128	16		1
CORNWALL	0	46	141	46	0	143	85	5
	0	25	52	25	0	54	52	4
POUGHKEEPSIE	0	39	NS	4	0	379	NS	1
	0	23		4	0	178		1
HYDE PARK	79	73	NS	4	0	257	NS	2
	79	40		3	0	77		1
KINGSTON	0	66	NS	3	0	458	NS	0
	0	19		2	0	110		0
SAUGERTIES	0	82	NS	33	0	332	NS	33
	0	31		22	0	80		11
CATSKILL	0	30	NS	246	0	261	NS	55
	0	11		131	0	74		29
ALBANY	0	6	NS	10	0	43	NS	0
	0	6		6	0	10		0
TOTAL STANDING CROP	238	402	1511	450	128	2722	10046	217
	178	70	272	138	128	329	1306	48

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	604	113	6
	0	0	0	0	0	150	21	3
TAPPAN ZEE	0	16	157	17	0	134	1227	32
	0	8	42	8	0	49	311	22
CROTON-HAVERSTRAW	0	36	129	15	0	122	789	10
	0	13	28	8	0	46	171	8
INDIAN POINT	0	32	22	7	171	55	109	0
	0	15	16	5	171	18	84	0
WEST POINT	0	69	NS	6	174	65	NS	2
	0	37		4	174	36		2
CORNWALL	88	97	50	11	0	331	51	11
	88	35	24	9	0	86	23	7
POUGHKEEPSIE	358	153	NS	7	920	366	NS	4
	358	89		4	638	163		3
HYDE PARK	629	123	NS	3	269	245	NS	<0.5
	425	30		3	172	82		<0.5
KINGSTON	458	138	NS	12	766	392	NS	2
	303	33		10	323	150		2
SAUGERTIES	398	32	NS	31	1435	156	NS	29
	167	15		14	550	73		9
CATSKILL	80	6	NS	122	406	41	NS	6
	51	3		55	269	7		4
ALBANY	19	0	NS	58	38	2	NS	2
	19	0		26	38	1		2
TOTAL STANDING CROP	2030	702	358	290	4180	2513	2289	104
	663	115	58	66	988	311	366	27

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE PERCH FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	6 6
TAPPAN ZEE	NS	NS	NS	27 11	NS	NS	NS	144 47
CROTON-HAVERSTRAW	NS	NS	NS	15 9	NS	NS	NS	4 3
INDIAN POINT	NS	NS	NS	2 2	NS	NS	NS	24 14
WEST POINT	NS	NS	NS	1 1	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	4 3
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	<0.5 <0.5
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	2 2
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	4 3
CATSKILL	NS	NS	NS	41 41	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	2 2
TOTAL STANDING CROP	NS	NS	NS	86 44	NS	NS	NS	190 50

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	7 4	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	2 2	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	4 3	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	13 5	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	407	4004	2129	5	134	20	9	0
	302	1756	813	3	134	20	4	0
TAPPAN ZEE	794	1317	737	0	0	0	0	0
	519	251	162	0	0	0	0	0
CROTON-HAVERSTRAW	0	941	649	2	0	3	6	0
	0	441	144	2	0	3	4	0
INDIAN POINT	6378	1979	87	7	323	16	2	0
	2936	767	43	7	162	16	2	0
WEST POINT	3221	1062	NS	1	0	3	NS	0
	110	796		1	0	3		0
CORNWALL	86	467	124	0	0	0	0	0
	86	153	65	0	0	0	0	0
POUGHKEEPSIE	196	230	NS	1	0	0	NS	0
	196	73		1	0	0		0
HYDE PARK	86	29	NS	0	0	0	NS	0
	86	7		0	0	0		0
KINGSTON	0	26	NS	0	0	0	NS	0
	0	16		0	0	0		0
SAUGERTIES	47	20	NS	0	0	0	NS	0
	47	9		0	0	0		0
CATSKILL	0	16	NS	0	0	0	NS	0
	0	5		0	0	0		0
ALBANY	0	5	NS	0	0	0	NS	0
	0	3		0	0	0		0
TOTAL STANDING CROP	11214	10095	3727	16	456	42	17	0
	3008	2143	845	8	210	26	6	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	3990	368	0	0	230	4	0
	0	823	159	0	0	71	4	0
TAPPAN ZEE	505	499	160	0	0	0	0	0
	505	298	96	0	0	0	0	0
CROTON-HAVERSTRAW	0	33	9	0	0	0	0	0
	0	17	5	0	0	0	0	0
INDIAN POINT	0	1803	57	0	0	0	0	0
	0	656	23	0	0	0	0	0
WEST POINT	1416	119	NS	0	0	0	NS	0
	1416	44		0	0	0		0
CORNWALL	0	131	11	0	0	0	0	0
	0	11	8	0	0	0	0	0
POUGHKEEPSIE	0	24	NS	0	0	0	NS	0
	0	10		0	0	0		0
HYDE PARK	0	8	NS	0	0	0	NS	0
	0	8		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1921	6608	606	0	0	230	4	0
	1503	1095	187	0	0	71	4	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	311	3577	314	0	0	37	18	0
	311	996	121	0	0	23	12	0
TAPPAN ZEE	0	723	366	2	0	6	4	0
	0	148	233	2	0	6	4	0
CROTON-HAVERSTRAW	0	47	0	0	0	3	0	0
	0	11	0	0	0	3	0	0
INDIAN POINT	0	455	4	0	0	21	0	0
	0	103	2	0	0	9	0	0
WEST POINT	0	117	NS	0	0	3	NS	0
	0	34		0	0	3		0
CORNWALL	0	512	6	0	0	0	0	0
	0	173	5	0	0	0	0	0
POUGHKEEPSIE	0	50	NS	0	0	0	NS	0
	0	43		0	0	0		0
HYDE PARK	0	6	NS	0	0	0	NS	0
	0	4		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	2	NS	0	0	0	NS	0
	0	2		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	311	5490	690	2	0	69	22	0
	311	1029	262	2	0	26	12	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	1489	416	0	0	88	26	0
	0	447	208	0	0	52	15	0
TAPPAN ZEE	0	584	513	0	0	50	87	0
	0	323	195	0	0	31	41	0
CROTON-HAVERSTRAW	0	10	0	0	0	0	0	0
	0	5	0	0	0	0	0	0
INDIAN POINT	0	35	4	0	0	9	0	0
	0	14	4	0	0	6	0	0
WEST POINT	328	117	NS	0	0	0	NS	0
	328	55		0	0	0		0
CORNWALL	0	121	14	0	0	0	0	0
	0	39	8	0	0	0	0	0
POUGHKEEPSIE	0	50	NS	0	0	0	NS	0
	0	41		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	11	NS	0	0	0	NS	0
	0	7		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	328	2416	947	0	0	146	113	0
	328	557	285	0	0	61	43	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	134	1259	180	0	0	96	18	0
	134	212	54	0	0	14	8	0
TAPPAN ZEE	0	184	113	19	0	22	10	13
	0	46	46	9	0	12	8	11
CROTON-HAVERSTRAW	0	111	3	8	0	17	0	0
	0	46	3	6	0	5	0	0
INDIAN POINT	0	319	4	0	0	81	2	0
	0	70	4	0	0	28	2	0
WEST POINT	0	243	NS	0	0	9	NS	0
	0	104		0	0	6		0
CORNWALL	0	142	17	0	0	0	0	0
	0	74	11	0	0	0	0	0
POUGHKEEPSIE	0	84	NS	0	206	0	NS	0
	0	54		0	206	0		0
HYDE PARK	0	30	NS	0	0	3	NS	0
	0	22		0	0	3		0
KINGSTON	0	11	NS	0	0	0	NS	0
	0	6		0	0	0		0
SAUGERTIES	0	3	NS	0	0	5	NS	0
	0	3		0	0	4		0
CATSKILL	0	2	NS	0	0	2	NS	0
	0	2		0	0	2		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	134	2389	316	27	206	237	30	13
	134	272	72	11	206	35	11	11

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	764	115	0	0	55	26	0
	0	351	36	0	0	15	11	0
TAPPAN ZEE	0	234	35	21	0	20	5	9
	0	79	25	12	0	14	5	5
CROTON-HAVERSTRAW	0	32	0	13	0	13	0	0
	0	6	0	8	0	7	0	0
INDIAN POINT	0	317	5	0	0	56	0	0
	0	155	5	0	0	27	0	0
WEST POINT	308	172	NS	0	0	14	NS	0
	155	101		0	0	9		0
CORNWALL	0	29	1	0	0	0	0	0
	0	12	1	0	0	0	0	0
POUGHKEEPSIE	0	129	NS	0	0	0	NS	0
	0	65		0	0	0		0
HYDE PARK	0	41	NS	0	0	3	NS	0
	0	23		0	0	3		0
KINGSTON	0	7	NS	0	0	0	NS	0
	0	5		0	0	0		0
SAUGERTIES	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	308	1727	157	34	0	162	31	9
	155	411	44	15	0	36	12	5

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	87	1312	243	0	77	73	29	0
	87	516	62	0	77	23	12	0
TAPPAN ZEE	165	520	318	110	0	54	4	30
	114	71	49	46	0	18	4	14
CROTON-HAVERSTRAW	0	238	44	0	0	0	0	0
	0	35	13	0	0	0	0	0
INDIAN POINT	0	128	6	0	0	0	0	0
	0	45	4	0	0	0	0	0
WEST POINT	0	61	NS	0	0	0	NS	0
	0	31		0	0	0		0
CORNWALL	0	9	0	0	0	0	0	0
	0	9	0	0	0	0	0	0
POUGHKEEPSIE	0	114	NS	0	0	7	NS	0
	0	23		0	0	7		0
HYDE PARK	0	20	NS	0	0	0	NS	0
	0	17		0	0	0		0
KINGSTON	0	6	NS	0	0	0	NS	0
	0	4		0	0	0		0
SAUGERTIES	0	26	NS	0	0	0	NS	0
	0	12		0	0	0		0
CATSKILL	0	4	NS	0	0	2	NS	0
	0	3		0	0	2		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	252	2438	611	110	77	137	33	30
	144	526	80	46	77	30	13	14

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	404	218	0	0	255	94	0
	0	162	65	0	0	94	26	0
TAPPAN ZEE	0	439	247	38	0	92	44	8
	0	135	60	14	0	45	25	4
CROTON-HAVERSTRAW	0	139	22	0	0	16	0	0
	0	28	19	0	0	8	0	0
INDIAN POINT	0	138	3	0	0	4	0	0
	0	53	2	0	0	4	0	0
WEST POINT	0	60	NS	0	0	0	NS	0
	0	39		0	0	0		0
CORNWALL	0	32	0	0	0	5	0	0
	0	16	0	0	0	5	0	0
POUGHKEEPSIE	0	116	NS	0	0	15	NS	0
	0	62		0	0	9		0
HYDE PARK	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
KINGSTON	0	34	NS	0	0	0	NS	0
	0	21		0	0	0		0
SAUGERTIES	0	18	NS	0	0	0	NS	0
	0	9		0	0	0		0
CATSKILL	0	7	NS	0	0	0	NS	0
	0	5		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	1390	490	38	0	386	137	8
	0	233	91	14	0	105	37	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	274	15	0	0	312	12	0
	0	117	6	0	0	86	6	0
TAPPAN ZEE	0	200	158	11	0	31	18	8
	0	34	50	6	0	13	10	4
CROTON-HAVERSTRAW	0	102	56	0	0	0	0	0
	0	19	19	0	0	0	0	0
INDIAN POINT	0	81	22	0	0	0	0	0
	0	40	9	0	0	0	0	0
WEST POINT	0	70	NS	0	0	4	NS	0
	0	17		0	0	4		0
CORNWALL	0	58	0	0	0	0	0	0
	0	26	0	0	0	0	0	0
POUGHKEEPSIE	0	92	NS	0	0	0	NS	0
	0	29		0	0	0		0
HYDE PARK	0	26	NS	0	0	0	NS	0
	0	23		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	12	NS	0	0	5	NS	0
	0	6		0	0	3		0
CATSKILL	0	7	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	923	250	11	0	352	29	8
	0	139	55	6	0	87	11	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC TOMCOD FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	6 3	NS	NS	NS	2 2
TAPPAN ZEE	NS	NS	NS	51 25	NS	NS	NS	4 3
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	57 25	NS	NS	NS	5 3

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	7 5	NS	NS	NS	1 1
HYDE PARK	NS	NS	NS	16 9	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	117 45	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	82 46	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	388 383	NS	NS	NS	0 0
ALBANY	NS	NS	NS	14 14	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	623 389	NS	NS	NS	1 1

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	39	0	0	0	0
	0	0	0	23	0	0	0	0
TAPPAN ZEE	231	0	44	244	0	0	0	0
	127	0	19	69	0	0	0	0
CROTON-HAVERSTRAW	0	52	85	96	0	0	0	0
	0	22	26	28	0	0	0	0
INDIAN POINT	163	4	14	59	0	0	0	0
	163	4	6	28	0	0	0	0
WEST POINT	0	3	NS	7	0	0	NS	2
	0	3		5	0	0		2
CORNWALL	164	0	0	60	0	0	0	0
	82	0	0	38	0	0	0	0
POUGHKEEPSIE	214	15	NS	24	0	0	NS	0
	214	9		10	0	0		0
HYDE PARK	881	19	NS	27	0	0	NS	0
	453	7		4	0	0		0
KINGSTON	134	42	NS	150	0	0	NS	0
	91	20		87	0	0		0
SAUGERTIES	1095	109	NS	140	0	0	NS	0
	334	26		41	0	0		0
CATSKILL	1486	114	NS	584	0	0	NS	0
	1387	23		373	0	0		0
ALBANY	33	9	NS	128	0	0	NS	0
	33	3		60	0	0		0
TOTAL STANDING CROP	4401	369	144	1559	0	0	0	2
	1531	48	33	400	0	0	0	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
TAPPAN ZEE	0	5	27	42	0	0	0	0
	0	5	12	24	0	0	0	0
CROTON-HAVERSTRAW	68	3	25	206	0	0	0	0
	68	3	10	74	0	0	0	0
INDIAN POINT	173	5	9	37	0	0	0	0
	173	5	5	16	0	0	0	0
WEST POINT	0	4	NS	4	0	0	NS	0
	0	4		3	0	0		0
CORNWALL	183	0	8	105	0	0	0	0
	92	0	2	33	0	0	0	0
POUGHKEEPSIE	817	33	NS	126	0	0	NS	0
	817	15		41	0	0		0
HYDE PARK	0	8	NS	15	0	0	NS	0
	0	8		6	0	0		0
KINGSTON	127	0	NS	79	0	0	NS	0
	86	0		36	0	0		0
SAUGERTIES	109	97	NS	168	0	2	NS	0
	109	25		66	0	2		0
CATSKILL	382	88	NS	466	0	0	NS	0
	292	25		124	0	0		0
ALBANY	18	18	NS	367	0	0	NS	0
	18	8		118	0	0		0
TOTAL STANDING CROP	1878	262	71	1614	0	2	0	0
	903	41	17	210	0	2	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	8	17	6	0	0	0	0
	0	8	7	6	0	0	0	0
CROTON-HAVERSTRAW	0	3	0	38	0	0	0	0
	0	3	0	29	0	0	0	0
INDIAN POINT	0	0	75	46	0	0	0	0
	0	0	32	29	0	0	0	0
WEST POINT	0	0	NS	38	0	0	NS	0
	0	0		22	0	0		0
CORNWALL	0	5	9	630	0	0	0	0
	0	5	6	125	0	0	0	0
POUGHKEEPSIE	217	13	NS	257	0	0	NS	0
	217	8		109	0	0		0
HYDE PARK	82	3	NS	15	0	0	NS	0
	82	3		8	0	0		0
KINGSTON	168	3	NS	33	0	0	NS	0
	124	3		24	0	0		0
SAUGERTIES	604	16	NS	181	0	0	NS	0
	365	5		25	0	0		0
CATSKILL	35	7	NS	836	0	0	NS	0
	35	4		209	0	0		0
ALBANY	0	1	NS	237	0	0	NS	0
	0	1		85	0	0		0
TOTAL STANDING CROP	1107	57	101	2318	0	0	0	0
	451	15	34	286	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	14	0	17	0	0	0	0
	0	9	0	9	0	0	0	0
CROTON-HAVERSTRAW	0	0	3	23	0	0	0	0
	0	0	3	13	0	0	0	0
INDIAN POINT	172	0	2	13	0	0	0	0
	172	0	2	8	0	0	0	0
WEST POINT	0	0	NS	19	0	0	NS	0
	0	0		4	0	0		0
CORNWALL	0	9	1	211	0	0	0	0
	0	6	1	84	0	0	0	0
POUGHKEEPSIE	0	0	NS	85	0	0	NS	0
	0	0		27	0	0		0
HYDE PARK	0	3	NS	9	0	0	NS	0
	0	3		3	0	0		0
KINGSTON	0	3	NS	95	0	0	NS	0
	0	3		56	0	0		0
SAUGERTIES	198	8	NS	415	0	0	NS	0
	198	4		139	0	0		0
CATSKILL	0	19	NS	397	0	0	NS	0
	0	9		170	0	0		0
ALBANY	19	4	NS	489	0	0	NS	0
	19	2		120	0	0		0
TOTAL STANDING CROP	388	61	6	1774	0	0	0	0
	262	15	4	272	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	58	0	0	74	0	0	0	0
	58	0	0	46	0	0	0	0
CROTON-HAVERSTRAW	0	4	6	33	0	0	0	0
	0	4	4	16	0	0	0	0
INDIAN POINT	0	0	0	22	0	0	0	0
	0	0	0	22	0	0	0	0
WEST POINT	0	0	NS	24	0	0	NS	0
	0	0		9	0	0		0
CORNWALL	0	9	0	94	0	0	0	0
	0	6	0	50	0	0	0	0
POUGHKEEPSIE	633	16	NS	71	0	0	NS	0
	633	10		22	0	0		0
HYDE PARK	106	7	NS	14	0	0	NS	0
	106	7		8	0	0		0
KINGSTON	0	6	NS	15	0	0	NS	0
	0	4		8	0	0		0
SAUGERTIES	0	14	NS	435	0	0	NS	0
	0	5		126	0	0		0
CATSKILL	80	9	NS	584	0	0	NS	0
	80	5		244	0	0		0
ALBANY	0	6	NS	778	0	0	NS	0
	0	2		469	0	0		0
TOTAL STANDING CROP	877	71	6	2145	0	0	0	0
	649	17	4	549	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	8	0	0	0	0
	0	0	0	6	0	0	0	0
CROTON-HAVERSTRAW	0	3	0	10	0	0	0	0
	0	3	0	7	0	0	0	0
INDIAN POINT	125	0	0	4	0	0	0	0
	125	0	0	2	0	0	0	0
WEST POINT	0	0	NS	6	0	0	NS	0
	0	0		3	0	0		0
CORNWALL	0	9	1	67	0	0	0	0
	0	9	1	24	0	0	0	0
POUGHKEEPSIE	413	7	NS	21	0	0	NS	0
	413	7		6	0	0		0
HYDE PARK	0	7	NS	10	0	0	NS	0
	0	5		2	0	0		0
KINGSTON	0	2	NS	2	0	0	NS	0
	0	2		2	0	0		0
SAUGERTIES	0	15	NS	127	0	0	NS	0
	0	8		49	0	0		0
CATSKILL	117	4	NS	283	0	0	NS	0
	52	3		77	0	0		0
ALBANY	0	1	NS	394	0	0	NS	0
	0	1		201	0	0		0
TOTAL STANDING CROP	655	49	1	932	0	0	0	0
	434	16	1	223	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	14	62	25	0	0	0	0
	0	9	19	15	0	0	0	0
CROTON-HAVERSTRAW	0	4	9	12	0	0	0	0
	0	4	6	7	0	0	0	0
INDIAN POINT	0	5	0	46	0	0	0	0
	0	5	0	31	0	0	0	0
WEST POINT	0	9	NS	20	0	0	NS	0
	0	6		9	0	0		0
CORNWALL	0	10	3	206	0	0	0	0
	0	6	2	67	0	0	0	0
POUGHKEEPSIE	0	15	NS	74	0	0	NS	0
	0	9		60	0	0		0
HYDE PARK	0	7	NS	17	0	0	NS	0
	0	4		5	0	0		0
KINGSTON	0	19	NS	50	0	0	NS	0
	0	10		24	0	0		0
SAUGERTIES	54	10	NS	291	0	0	NS	0
	54	6		84	0	0		0
CATSKILL	0	24	NS	352	0	0	NS	0
	0	7		132	0	0		0
ALBANY	0	8	NS	155	0	0	NS	0
	0	4		91	0	0		0
TOTAL STANDING CROP	54	123	73	1246	0	0	0	0
	54	22	20	207	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	26	8	12	0	0	0	0
	0	26	5	8	0	0	0	0
TAPPAN ZEE	0	21	40	273	0	0	0	0
	0	21	15	111	0	0	0	0
CROTON-HAVERSTRAW	0	6	3	142	0	0	0	0
	0	4	3	22	0	0	0	0
INDIAN POINT	0	0	0	7	0	0	0	0
	0	0	0	3	0	0	0	0
WEST POINT	0	3	NS	1	0	0	NS	0
	0	3		1	0	0		0
CORNWALL	0	5	1	18	0	0	0	0
	0	5	1	10	0	0	0	0
POUGHKEEPSIE	0	0	NS	7	0	0	NS	0
	0	0		7	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	0	NS	5	0	0	NS	0
	0	0		4	0	0		0
CATSKILL	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
ALBANY	0	0	NS	10	0	0	NS	0
	0	0		6	0	0		0
TOTAL STANDING CROP	0	63	52	477	0	0	0	0
	0	34	16	114	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	75	10	26	57	0	0	0	0
	75	10	12	18	0	0	0	0
TAPPAN ZEE	0	15	28	244	0	0	0	0
	0	7	15	68	0	0	0	0
CROTON-HAVERSTRAW	0	9	12	134	0	0	0	0
	0	5	5	35	0	0	0	0
INDIAN POINT	0	5	2	33	0	0	0	0
	0	5	2	12	0	0	0	0
WEST POINT	0	8	NS	4	0	0	NS	0
	0	5		3	0	0		0
CORNWALL	0	0	6	14	0	0	0	0
	0	0	3	10	0	0	0	0
POUGHKEEPSIE	0	51	NS	7	0	0	NS	0
	0	27		7	0	0		0
HYDE PARK	0	0	NS	<0.5	0	0	NS	0
	0	0		<0.5	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	75	100	74	495	0	0	0	0
	75	31	20	80	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER AMERICAN SHAD FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	2 2	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	2 2	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	3 2	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	3	0	0	0	0	0	2
	0	3	0	0	0	0	0	2
INDIAN POINT	642	20	2	0	0	0	0	0
	149	9	2	0	0	0	0	0
WEST POINT	961	35	NS	1	0	0	NS	0
	270	22		1	0	0		0
CORNWALL	678	0	0	0	0	0	0	0
	564	0	0	0	0	0	0	0
POUGHKEEPSIE	4222	23	NS	10	0	0	NS	0
	3039	15		6	0	0		0
HYDE PARK	2678	39	NS	1	0	0	NS	0
	803	13		<0.5	0	0		0
KINGSTON	402	256	NS	0	0	0	NS	0
	114	100		0	0	0		0
SAUGERTIES	6718	569	NS	12	0	0	NS	0
	3318	140		8	0	0		0
CATSKILL	2255	708	NS	214	0	0	NS	0
	1237	314		204	0	0		0
ALBANY	16	117	NS	45	0	0	NS	0
	16	40		24	0	0		0
TOTAL STANDING CROP	18573	1768	2	283	0	0	0	2
	4779	362	2	205	0	0	0	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	105	0	13	0	0	0	0	0
	105	0	9	0	0	0	0	0
TAPPAN ZEE	0	18	15	0	0	0	0	0
	0	12	9	0	0	0	0	0
CROTON-HAVERSTRAW	0	53	6	15	0	0	0	0
	0	22	4	10	0	0	0	0
INDIAN POINT	988	14	2	0	0	0	0	0
	601	9	2	0	0	0	0	0
WEST POINT	157	0	NS	113	0	0	NS	0
	157	0		92	0	0		0
CORNWALL	88	5	16	218	0	0	0	0
	88	5	7	174	0	0	0	0
POUGHKEEPSIE	4757	132	NS	216	0	0	NS	6
	3447	92		115	0	0		6
HYDE PARK	2223	237	NS	25	0	0	NS	0
	1506	123		12	0	0		0
KINGSTON	9515	378	NS	22	0	0	NS	0
	3471	139		18	0	0		0
SAUGERTIES	6107	1857	NS	131	0	0	NS	0
	2912	461		59	0	0		0
CATSKILL	9077	2319	NS	1846	0	0	NS	0
	5265	414		1685	0	0		0
ALBANY	162	556	NS	705	0	0	NS	0
	162	422		428	0	0		0
TOTAL STANDING CROP	33180	5569	51	3290	0	0	0	6
	7926	778	15	1755	0	0	0	6

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	31	0	2	0	0	0	0
	0	13	0	2	0	0	0	0
CROTON-HAVERSTRAW	0	28	0	2	0	0	0	0
	0	12	0	2	0	0	0	0
INDIAN POINT	356	0	2	118	0	0	0	0
	356	0	2	118	0	0	0	0
WEST POINT	166	0	NS	177	0	0	NS	0
	166	0		155	0	0		0
CORNWALL	81	99	40	233	81	0	0	0
	81	56	17	49	81	0	0	0
POUGHKEEPSIE	3041	1052	NS	1476	0	0	NS	0
	3041	357		1246	0	0		0
HYDE PARK	4494	88	NS	106	0	0	NS	0
	3184	28		43	0	0		0
KINGSTON	2548	221	NS	53	0	0	NS	0
	1331	45		24	0	0		0
SAUGERTIES	14420	1080	NS	622	0	0	NS	0
	8069	354		141	0	0		0
CATSKILL	2191	945	NS	1308	0	3	NS	0
	1199	226		789	0	3		0
ALBANY	15	84	NS	301	0	0	NS	0
	15	46		222	0	0		0
TOTAL STANDING CROP	27312	3628	42	4398	81	3	0	0
	9374	559	17	1512	81	3	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	20	11	0	0	12	0	0
	0	12	5	0	0	12	0	0
TAPPAN ZEE	0	6	4	0	0	0	0	0
	0	6	4	0	0	0	0	0
CROTON-HAVERSTRAW	0	25	0	0	0	0	0	0
	0	14	0	0	0	0	0	0
INDIAN POINT	0	0	4	0	0	0	0	0
	0	0	4	0	0	0	0	0
WEST POINT	164	3	NS	27	0	0	NS	0
	164	3		18	0	0		0
CORNWALL	347	142	45	186	0	0	0	0
	174	60	27	145	0	0	0	0
POUGHKEEPSIE	1400	347	NS	2435	0	0	NS	0
	1400	103		1406	0	0		0
HYDE PARK	3518	160	NS	278	0	0	NS	0
	3022	32		148	0	0		0
KINGSTON	1114	868	NS	170	0	0	NS	0
	452	290		105	0	0		0
SAUGERTIES	7706	1307	NS	2360	0	3	NS	0
	6611	240		1688	0	3		0
CATSKILL	382	1067	NS	864	0	0	NS	0
	142	235		677	0	0		0
ALBANY	1013	185	NS	619	0	0	NS	0
	1013	105		466	0	0		0
TOTAL STANDING CROP	15643	4130	63	6940	0	15	0	0
	7490	472	28	2357	0	12	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	3	0	0	0	0
	0	0	0	3	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	3	3	0	0	0	0	0
	0	3	3	0	0	0	0	0
INDIAN POINT	0	0	0	6	0	0	0	0
	0	0	0	6	0	0	0	0
WEST POINT	0	0	NS	135	0	3	NS	0
	0	0		84	0	3		0
CORNWALL	0	24	4	67	0	0	0	0
	0	14	3	31	0	0	0	0
POUGHKEEPSIE	211	79	NS	35	0	0	NS	0
	211	33		32	0	0		0
HYDE PARK	1258	209	NS	78	0	0	NS	0
	465	84		66	0	0		0
KINGSTON	2226	151	NS	84	0	0	NS	0
	660	77		33	0	0		0
SAUGERTIES	223	1171	NS	1352	0	0	NS	0
	111	317		668	0	0		0
CATSKILL	1495	1472	NS	476	0	3	NS	0
	1025	405		217	0	2		0
ALBANY	0	595	NS	805	0	0	NS	0
	0	299		569	0	0		0
TOTAL STANDING CROP	5413	3705	6	3042	0	6	0	0
	1326	607	4	912	0	4	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	11	0	0	0	0	0	0
	0	11	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	145	0	0	4	0	0	2	0
	145	0	0	2	0	0	2	0
WEST POINT	0	14	NS	81	0	0	NS	0
	0	4		52	0	0		0
CORNWALL	160	5	3	206	0	0	0	0
	160	5	3	81	0	0	0	0
POUGHKEEPSIE	63765	231	NS	6	0	0	NS	0
	53696	112		6	0	0		0
HYDE PARK	10667	228	NS	390	0	0	NS	0
	3213	91		214	0	0		0
KINGSTON	9355	595	NS	2328	0	0	NS	0
	4255	104		1146	0	0		0
SAUGERTIES	4009	647	NS	882	0	0	NS	0
	3804	123		456	0	0		0
CATSKILL	8095	479	NS	1153	0	0	NS	0
	2507	64		393	0	0		0
ALBANY	673	90	NS	1184	0	0	NS	4
	213	35		495	0	0		4
TOTAL STANDING CROP	96869	2300	3	6233	0	0	2	4
	54153	228	3	1406	0	0	2	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	164	9	15	0	0	0	0	0
	101	9	8	0	0	0	0	0
TAPPAN ZEE	2753	137	1341	121	0	0	4	0
	1498	38	819	111	0	0	4	0
CROTON-HAVERSTRAW	625	511	669	52	0	0	0	0
	328	171	219	43	0	0	0	0
INDIAN POINT	829	2364	91	2744	0	0	0	0
	623	1999	77	2701	0	0	0	0
WEST POINT	2206	231	NS	70	0	0	NS	0
	1180	85		60	0	0		0
CORNWALL	0	1184	84	1019	0	0	0	0
	0	526	77	480	0	0	0	0
POUGHKEEPSIE	6609	476	NS	209	0	0	NS	0
	3316	132		97	0	0		0
HYDE PARK	6914	272	NS	531	0	0	NS	0
	3642	58		485	0	0		0
KINGSTON	3431	654	NS	2459	0	0	NS	0
	1771	175		686	0	0		0
SAUGERTIES	4305	253	NS	659	0	0	NS	0
	2662	40		239	0	0		0
CATSKILL	167	240	NS	1251	0	0	NS	0
	81	68		366	0	0		0
ALBANY	128	36	NS	2104	0	0	NS	0
	47	15		735	0	0		0
TOTAL STANDING CROP	28132	6367	2200	11219	0	0	4	0
	6216	2090	855	2998	0	0	4	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	133	347	109	5	0	0	0	0
	133	137	42	5	0	0	0	0
TAPPAN ZEE	0	2639	575	1178	0	0	0	0
	0	672	163	594	0	0	0	0
CROTON-HAVERSTRAW	0	831	473	3465	0	0	3	0
	0	230	102	1212	0	0	3	0
INDIAN POINT	9424	168	270	122	0	0	0	0
	4462	58	254	94	0	0	0	0
WEST POINT	6568	127	NS	1	0	0	NS	0
	4150	29		1	0	0		0
CORNWALL	79	714	370	94	0	0	0	0
	79	169	110	88	0	0	0	0
POUGHKEEPSIE	422	233	NS	75	0	0	NS	0
	211	73		62	0	0		0
HYDE PARK	607	64	NS	1	0	0	NS	0
	411	13		1	0	0		0
KINGSTON	425	133	NS	269	0	0	NS	0
	331	24		167	0	0		0
SAUGERTIES	378	264	NS	68	0	0	NS	0
	170	65		68	0	0		0
CATSKILL	0	40	NS	2	0	0	NS	0
	0	18		2	0	0		0
ALBANY	0	7	NS	17	0	0	NS	0
	0	5		7	0	0		0
TOTAL STANDING CROP	18037	5566	1796	5297	0	0	3	0
	6124	753	339	1369	0	0	3	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	1316	129	37	214	0	0	0	0
	1032	86	7	98	0	0	0	0
TAPPAN ZEE	1779	80	185	4532	0	0	0	0
	1212	25	49	4166	0	0	0	0
CROTON-HAVERSTRAW	954	34	84	42	0	0	0	0
	954	11	34	14	0	0	0	0
INDIAN POINT	343	199	43	665	0	0	0	0
	343	96	20	231	0	0	0	0
WEST POINT	2510	139	NS	11	0	0	NS	0
	500	54		7	0	0		0
CORNWALL	176	133	224	183	0	0	0	0
	176	38	115	66	0	0	0	0
POUGHKEEPSIE	1661	642	NS	23	0	0	NS	0
	1106	343		19	0	0		0
HYDE PARK	809	49	NS	10	0	0	NS	0
	694	13		8	0	0		0
KINGSTON	343	24	NS	177	0	0	NS	0
	136	16		102	0	0		0
SAUGERTIES	578	11	NS	12	0	0	NS	0
	509	9		12	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	10468	1440	573	5869	0	0	0	0
	2413	374	131	4176	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BLUEBACK HERRING FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	8 3	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	54 34	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	1 1	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	5 4	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	7 4	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	74 34	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	5 4
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	2 2
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	2 2	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	2 2	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	4 3	NS	NS	NS	8 4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	2	0	0	4	0
	0	0	0	2	0	0	4	0
CROTON-HAVERSTRAW	0	3	3	2	0	3	5	0
	0	3	3	2	0	3	4	0
INDIAN POINT	163	0	2	4	0	0	0	0
	163	0	2	4	0	0	0	0
WEST POINT	0	0	NS	8	0	0	NS	0
	0	0		4	0	0		0
CORNWALL	79	5	1	44	0	0	0	0
	79	5	1	22	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	1041	15	NS	2	0	0	NS	0
	573	11		1	0	0		0
KINGSTON	1155	33	NS	3	0	0	NS	0
	399	18		2	0	0		0
SAUGERTIES	1431	85	NS	35	0	0	NS	0
	691	27		15	0	0		0
CATSKILL	75	76	NS	4	0	0	NS	0
	47	36		3	0	0		0
ALBANY	0	0	NS	0	0	1	NS	0
	0	0		0	0	1		0
TOTAL STANDING CROP	3944	217	7	105	0	4	9	0
	1000	50	4	27	0	3	5	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	15	0	0	0	0
	0	0	0	11	0	0	0	0
CROTON-HAVERSTRAW	0	3	6	27	0	0	0	0
	0	3	4	23	0	0	0	0
INDIAN POINT	0	9	4	0	0	0	0	0
	0	9	3	0	0	0	0	0
WEST POINT	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
CORNWALL	88	0	17	2	0	0	0	0
	88	0	7	2	0	0	0	0
POUGHKEEPSIE	381	8	NS	0	0	0	NS	0
	381	8		0	0	0		0
HYDE PARK	1677	14	NS	1	0	4	NS	0
	1556	5		<0.5	0	4		0
KINGSTON	891	10	NS	10	43	20	NS	0
	482	5		8	43	10		0
SAUGERTIES	106	79	NS	41	0	13	NS	0
	67	25		22	0	8		0
CATSKILL	519	45	NS	6	0	4	NS	0
	519	16		4	0	2		0
ALBANY	0	5	NS	0	0	1	NS	0
	0	4		0	0	1		0
TOTAL STANDING CROP	3662	173	27	103	43	42	0	0
	1755	33	9	35	43	14	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	10	6	0	0	0	2
	0	0	6	6	0	0	0	2
CROTON-HAVERSTRAW	0	0	0	4	0	0	0	0
	0	0	0	4	0	0	0	0
INDIAN POINT	0	0	9	2	0	0	0	0
	0	0	5	2	0	0	0	0
WEST POINT	0	3	NS	3	0	0	NS	0
	0	3		2	0	0		0
CORNWALL	0	5	20	4	0	0	0	0
	0	5	5	4	0	0	0	0
POUGHKEEPSIE	0	13	NS	18	0	0	NS	0
	0	8		17	0	0		0
HYDE PARK	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
KINGSTON	127	7	NS	29	0	0	NS	0
	87	4		27	0	0		0
SAUGERTIES	219	21	NS	25	56	0	NS	0
	139	13		16	56	0		0
CATSKILL	0	0	NS	8	0	0	NS	0
	0	0		8	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	346	48	39	101	56	0	0	2
	164	17	9	37	56	0	0	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	4	0	0	0	0
	0	0	0	3	0	0	0	0
INDIAN POINT	0	0	4	4	0	0	0	0
	0	0	2	4	0	0	0	0
WEST POINT	149	0	NS	4	0	0	NS	0
	149	0		3	0	0		0
CORNWALL	0	10	5	9	0	0	0	0
	0	6	2	9	0	0	0	0
POUGHKEEPSIE	0	0	NS	7	0	0	NS	0
	0	0		7	0	0		0
HYDE PARK	0	12	NS	2	0	4	NS	0
	0	8		1	0	4		0
KINGSTON	510	29	NS	10	0	0	NS	0
	510	7		10	0	0		0
SAUGERTIES	445	86	NS	62	49	3	NS	0
	445	43		44	49	3		0
CATSKILL	0	15	NS	26	0	2	NS	0
	0	5		19	0	2		0
ALBANY	19	0	NS	2	0	1	NS	0
	19	0		2	0	1		0
TOTAL STANDING CROP	1122	152	9	130	49	11	0	0
	693	45	3	50	49	6	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	15	0	0	0	2
	0	0	0	11	0	0	0	2
CROTON-HAVERSTRAW	0	0	5	0	0	0	0	0
	0	0	5	0	0	0	0	0
INDIAN POINT	0	0	10	11	0	0	0	0
	0	0	8	11	0	0	0	0
WEST POINT	0	0	NS	33	0	0	NS	0
	0	0		26	0	0		0
CORNWALL	0	5	14	7	0	0	0	0
	0	5	9	5	0	0	0	0
POUGHKEEPSIE	1265	8	NS	0	0	0	NS	0
	1265	8		0	0	0		0
HYDE PARK	0	0	NS	1	0	4	NS	0
	0	0		1	0	4		0
KINGSTON	0	3	NS	7	0	0	NS	0
	0	3		5	0	0		0
SAUGERTIES	53	6	NS	21	0	0	NS	0
	53	4		13	0	0		0
CATSKILL	0	4	NS	0	0	0	NS	0
	0	4		0	0	0		0
ALBANY	0	5	NS	4	0	0	NS	0
	0	3		4	0	0		0
TOTAL STANDING CROP	1318	30	29	100	0	4	0	2
	1266	12	13	34	0	4	0	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	4	0	0	4	0
	0	0	0	4	0	0	4	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	2	0	0	2	0
	0	0	0	2	0	0	2	0
WEST POINT	0	0	NS	3	171	0	NS	0
	0	0		2	171	0		0
CORNWALL	0	0	3	16	0	0	0	0
	0	0	2	7	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	5	88	0	NS	0
	0	0		5	88	0		0
KINGSTON	87	11	NS	26	0	0	NS	0
	55	6		26	0	0		0
SAUGERTIES	0	10	NS	2	0	0	NS	0
	0	4		2	0	0		0
CATSKILL	39	4	NS	6	0	0	NS	0
	39	2		4	0	0		0
ALBANY	0	0	NS	2	0	0	NS	0
	0	0		2	0	0		0
TOTAL STANDING CROP	126	25	3	65	259	0	6	0
	67	8	2	28	193	0	4	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	4	0
	0	0	0	0	0	0	4	0
TAPPAN ZEE	96	6	8	0	0	0	7	0
	96	6	5	0	0	0	5	0
CROTON-HAVERSTRAW	61	0	10	0	0	0	6	0
	61	0	8	0	0	0	4	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	2	0	3	NS	0
	0	0		1	0	3		0
CORNWALL	0	0	0	21	0	0	0	0
	0	0	0	17	0	0	0	0
POUGHKEEPSIE	0	0	NS	4	0	0	NS	0
	0	0		3	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	17	NS	36	0	0	NS	2
	0	7		24	0	0		2
SAUGERTIES	0	0	NS	4	0	0	NS	0
	0	0		3	0	0		0
CATSKILL	0	0	NS	4	0	0	NS	0
	0	0		3	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	156	23	18	71	0	3	17	2
	113	9	9	30	0	3	8	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	26	12	0	0	0	0	0
	0	26	12	0	0	0	0	0
TAPPAN ZEE	0	63	33	9	0	0	0	0
	0	55	13	5	0	0	0	0
CROTON-HAVERSTRAW	84	35	26	2	0	4	7	0
	84	24	14	2	0	4	5	0
INDIAN POINT	153	8	2	0	153	0	0	0
	153	5	2	0	153	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	13	1	0	0	5	1	0
	0	8	1	0	0	5	1	0
POUGHKEEPSIE	0	0	NS	6	0	0	NS	0
	0	0		6	0	0		0
HYDE PARK	72	0	NS	0	0	0	NS	0
	72	0		0	0	0		0
KINGSTON	0	8	NS	0	0	0	NS	0
	0	4		0	0	0		0
SAUGERTIES	50	7	NS	0	0	0	NS	0
	50	5		0	0	0		0
CATSKILL	0	8	NS	0	0	0	NS	0
	0	5		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	360	166	74	17	153	8	8	0
	196	66	23	8	153	6	5	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	239	8	0	0	0	0	0	0
	98	8	0	0	0	0	0	0
TAPPAN ZEE	47	5	15	6	0	0	0	0
	47	5	7	4	0	0	0	0
CROTON-HAVERSTRAW	0	0	3	4	0	0	0	0
	0	0	3	4	0	0	0	0
INDIAN POINT	0	5	2	0	0	0	0	0
	0	5	2	0	0	0	0	0
WEST POINT	174	0	NS	0	0	0	NS	0
	174	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	10	NS	0	0	0	NS	0
	0	10		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	460	30	20	10	0	0	0	0
	205	15	8	6	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ALEWIFE FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	3 2	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	3 2	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	47 25
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	222 78
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	2 2
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	1 1
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	271 82

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	67	6	0	6324	110	133	14
	0	44	4	0	3083	49	32	8
TAPPAN ZEE	26647	187	620	53	33809	431	1453	115
	5668	58	176	35	14547	90	208	41
CROTON-HAVERSTRAW	4107	279	240	2	150	73	94	8
	882	110	52	2	150	16	23	8
INDIAN POINT	3249	14	30	6	0	30	34	2
	1079	9	13	6	0	18	20	2
WEST POINT	5913	11	NS	1	0	3	NS	3
	3299	5		1	0	3		2
CORNWALL	27825	5	6	0	79	0	0	0
	19063	5	5	0	79	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	93	2	NS	0	0	0	NS	0
	59	2		0	0	0		0
CATSKILL	182	0	NS	0	0	0	NS	0
	182	0		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	68017	566	903	61	40363	646	1714	142
	20209	132	184	35	14871	106	213	43

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	12	9	0	5037	340	215	0
	0	12	4	0	2097	66	45	0
TAPPAN ZEE	19933	680	3082	151	3958	436	546	45
	9254	131	1002	70	2257	109	103	18
CROTON-HAVERSTRAW	23357	3270	1471	4	205	438	25	0
	15222	1028	351	4	205	75	10	0
INDIAN POINT	14416	46	192	41	0	47	31	0
	4845	13	114	41	0	16	15	0
WEST POINT	4585	13	NS	0	199	3	NS	0
	2489	13		0	199	3		0
CORNWALL	18366	53	25	0	88	0	5	0
	5546	14	15	0	88	0	5	0
POUGHKEEPSIE	32590	0	NS	0	247	0	NS	0
	29283	0		0	247	0		0
HYDE PARK	940	3	NS	0	0	0	NS	0
	502	3		0	0	0		0
KINGSTON	800	13	NS	0	0	0	NS	0
	504	8		0	0	0		0
SAUGERTIES	274	0	NS	0	0	0	NS	0
	130	0		0	0	0		0
CATSKILL	164	9	NS	0	0	0	NS	0
	104	4		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	115426	4100	4780	196	9734	1264	822	45
	35154	1037	1068	81	3105	149	114	18

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	45221	1077	489	0	505	334	160	0
	16500	474	208	0	505	176	80	0
TAPPAN ZEE	73526	581	2810	127	177	88	77	0
	32397	170	504	119	177	26	21	0
CROTON-HAVERSTRAW	9641	590	2376	113	0	39	17	0
	6397	252	423	111	0	18	9	0
INDIAN POINT	109315	95	35	26	2537	4	13	0
	95775	46	13	24	1489	4	8	0
WEST POINT	10819	58	NS	0	238	57	NS	0
	6499	17		0	238	21		0
CORNWALL	6551	565	37	0	81	14	16	0
	2558	207	11	0	81	10	5	0
POUGHKEEPSIE	7186	48	NS	0	0	24	NS	0
	6223	34		0	0	17		0
HYDE PARK	2302	3	NS	0	0	0	NS	0
	965	3		0	0	0		0
KINGSTON	2324	0	NS	0	0	0	NS	0
	1095	0		0	0	0		0
SAUGERTIES	595	0	NS	0	0	0	NS	0
	264	0		0	0	0		0
CATSKILL	193	2	NS	0	0	0	NS	0
	72	2		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	267674	3018	5747	266	3538	560	283	0
	103080	603	691	165	1602	181	84	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	56711	343	266	5	282	21	20	0
	18631	60	111	3	187	13	11	0
TAPPAN ZEE	76565	1423	5497	392	118	56	46	0
	26944	226	714	181	77	26	14	0
CROTON-HAVERSTRAW	32066	3586	2267	12	60	22	13	0
	10507	1504	504	5	60	13	9	0
INDIAN POINT	56055	964	400	0	32343	4	6	0
	42691	307	161	0	31319	4	6	0
WEST POINT	7824	270	NS	222	164	77	NS	0
	2857	82		222	164	16		0
CORNWALL	57375	977	119	0	349	82	23	0
	27536	259	39	0	349	28	11	0
POUGHKEEPSIE	15533	102	NS	0	3057	9	NS	0
	4297	53		0	575	9		0
HYDE PARK	699	7	NS	0	0	7	NS	0
	461	4		0	0	5		0
KINGSTON	4853	31	NS	0	379	5	NS	0
	640	9		0	163	4		0
SAUGERTIES	327	0	NS	0	0	0	NS	0
	270	0		0	0	0		0
CATSKILL	118	2	NS	0	0	0	NS	0
	81	2		0	0	0		0
ALBANY	19	0	NS	0	0	0	NS	0
	19	0		0	0	0		0
TOTAL STANDING CROP	308144	7705	8549	630	36752	283	109	0
	61576	1578	896	286	31328	47	24	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	262085	3685	4242	1065	545	75	6	45
	76231	705	760	881	334	32	4	26
TAPPAN ZEE	93145	1387	3478	1149	286	7	8	4
	13826	347	586	710	121	7	6	3
CROTON-HAVERSTRAW	86961	1185	3354	12	259	0	17	0
	38905	452	562	12	144	0	9	0
INDIAN POINT	6587	199	40	2	266	5	11	0
	1886	108	10	2	135	5	3	0
WEST POINT	14932	26	NS	94	740	3	NS	0
	4113	19		94	370	3		0
CORNWALL	10219	415	5	0	0	10	0	0
	2946	304	3	0	0	10	0	0
POUGHKEEPSIE	17868	170	NS	0	0	0	NS	0
	10517	97		0	0	0		0
HYDE PARK	6894	9	NS	0	0	0	NS	0
	3748	6		0	0	0		0
KINGSTON	2300	8	NS	0	0	0	NS	0
	1423	4		0	0	0		0
SAUGERTIES	0	2	NS	0	0	0	NS	0
	0	2		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	500991	7087	11120	2321	2095	101	42	49
	87589	967	1112	1135	549	35	12	26

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	49917	1454	665	38	475	46	8	0
	19678	534	157	38	291	21	8	0
TAPPAN ZEE	48400	5136	2746	203	407	0	3	0
	15228	1874	393	101	201	0	3	0
CROTON-HAVERSTRAW	4529	491	1509	0	0	3	3	0
	1834	180	358	0	0	3	3	0
INDIAN POINT	5718	428	145	2	125	10	0	0
	1934	177	93	2	125	6	0	0
WEST POINT	31998	56	NS	0	0	8	NS	0
	8223	28		0	0	8		0
CORNWALL	13456	44	3	5	0	5	0	0
	10666	22	3	5	0	5	0	0
POUGHKEEPSIE	2088	15	NS	0	0	0	NS	0
	892	9		0	0	0		0
HYDE PARK	1565	14	NS	0	0	0	NS	0
	869	14		0	0	0		0
KINGSTON	1337	0	NS	265	0	0	NS	0
	413	0		265	0	0		0
SAUGERTIES	60	0	NS	0	0	0	NS	0
	60	0		0	0	0		0
CATSKILL	39	0	NS	0	0	0	NS	0
	39	0		0	0	0		0
ALBANY	19	0	NS	0	0	0	NS	0
	19	0		0	0	0		0
TOTAL STANDING CROP	159126	7639	5068	513	1008	73	15	0
	28449	1965	562	286	376	25	10	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	118195	783	240	3	423	29	11	2
	56506	372	85	3	138	20	5	2
TAPPAN ZEE	35753	295	1109	89	439	6	16	2
	4877	97	233	33	232	6	9	2
CROTON-HAVERSTRAW	10159	100	148	29	0	0	12	0
	7271	39	35	22	0	0	7	0
INDIAN POINT	1307	91	6	804	0	0	0	0
	906	44	3	626	0	0	0	0
WEST POINT	469	12	NS	9	0	0	NS	1
	277	6		9	0	0		1
CORNWALL	1665	20	14	69	0	0	0	0
	1265	10	12	44	0	0	0	0
POUGHKEEPSIE	0	22	NS	0	0	0	NS	0
	0	15		0	0	0		0
HYDE PARK	0	7	NS	0	0	0	NS	0
	0	4		0	0	0		0
KINGSTON	112	0	NS	246	0	0	NS	0
	112	0		148	0	0		0
SAUGERTIES	112	0	NS	0	0	0	NS	0
	112	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	167771	1330	1517	1249	862	36	38	4
	57202	389	251	646	270	21	13	3

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	11602	100	28	0	242	11	0	0
	4614	60	6	0	149	11	0	0
TAPPAN ZEE	2775	66	30	4	77	6	0	0
	1232	32	15	3	77	6	0	0
CROTON-HAVERSTRAW	0	24	33	0	0	0	0	0
	0	10	10	0	0	0	0	0
INDIAN POINT	434	0	0	4	0	0	0	0
	16	0	0	4	0	0	0	0
WEST POINT	3622	3	NS	0	0	0	NS	0
	2485	3		0	0	0		0
CORNWALL	159	0	1	0	0	0	0	0
	159	0	1	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	18593	194	92	7	319	18	0	0
	5386	69	20	5	168	13	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	7997	0	0	23	76	0	0	2
	2134	0	0	23	76	0	0	2
TAPPAN ZEE	419	0	3	0	0	0	0	0
	207	0	3	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	33	0	0	0	0
	0	0	0	33	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	8416	0	3	56	76	0	0	2
	2144	0	3	40	76	0	0	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER BAY ANCHOVY FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	15 7	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	15 7	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
TAPPAN ZEE	0	11	47	0	0	0	0	0
	0	11	16	0	0	0	0	0
CROTON-HAVERSTRAW	0	21	15	0	0	0	0	0
	0	8	7	0	0	0	0	0
INDIAN POINT	0	4	0	0	0	0	0	0
	0	4	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	36	65	0	0	0	0	0
	0	14	18	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	37	19	0	0	0	0	0
	0	24	8	0	0	0	0	0
TAPPAN ZEE	0	0	166	0	0	0	0	0
	0	0	56	0	0	0	0	0
CROTON-HAVERSTRAW	0	9	0	0	0	0	0	0
	0	4	0	0	0	0	0	0
INDIAN POINT	345	212	2	0	0	0	0	0
	345	64	2	0	0	0	0	0
WEST POINT	157	0	NS	0	0	0	NS	0
	157	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	503	258	187	0	0	0	0	0
	380	69	56	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	160	51	0	0	10	4	0
	0	121	29	0	0	10	4	0
TAPPAN ZEE	0	38	97	0	0	0	4	0
	0	16	70	0	0	0	4	0
CROTON-HAVERSTRAW	0	137	0	0	0	3	3	0
	0	63	0	0	0	3	3	0
INDIAN POINT	0	81	13	0	0	0	0	0
	0	53	6	0	0	0	0	0
WEST POINT	0	290	NS	0	0	0	NS	0
	0	51		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	706	161	0	0	13	11	0
	0	156	76	0	0	11	7	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	96	82	47	0	0	0	0	0
	96	48	14	0	0	0	0	0
TAPPAN ZEE	0	51	101	0	0	0	0	0
	0	17	36	0	0	0	0	0
CROTON-HAVERSTRAW	61	18	28	0	0	0	0	0
	61	15	17	0	0	0	0	0
INDIAN POINT	0	54	16	0	0	0	0	0
	0	23	9	0	0	0	0	0
WEST POINT	0	90	NS	0	0	0	NS	0
	0	67		0	0	0		0
CORNWALL	0	20	0	0	0	0	0	0
	0	10	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	156	317	191	0	0	0	0	0
	113	89	43	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	1330	285	145	0	0	0	0	0
	884	129	29	0	0	0	0	0
TAPPAN ZEE	48	29	104	0	0	0	3	0
	48	13	28	0	0	0	3	0
CROTON-HAVERSTRAW	55	28	6	0	0	0	0	0
	55	13	4	0	0	0	0	0
INDIAN POINT	0	20	4	0	0	0	0	0
	0	14	4	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	1433	361	258	0	0	0	3	0
	887	131	41	0	0	0	3	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	122	53	0	0	0	0	0
	0	17	41	0	0	0	0	0
TAPPAN ZEE	0	80	27	0	0	0	0	0
	0	24	20	0	0	0	0	0
CROTON-HAVERSTRAW	0	18	3	0	0	0	0	0
	0	9	3	0	0	0	0	0
INDIAN POINT	0	98	0	0	0	0	0	0
	0	55	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	318	84	0	0	0	0	0
	0	63	45	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	91	25	0	0	0	0	0
	0	69	25	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	91	25	0	0	0	0	0
	0	69	25	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	62	0	0	0	0	0
	0	0	30	0	0	0	0	0
TAPPAN ZEE	0	35	11	0	0	0	0	0
	0	15	6	0	0	0	0	0
CROTON-HAVERSTRAW	0	17	3	0	0	0	0	0
	0	10	3	0	0	0	0	0
INDIAN POINT	0	8	0	0	0	0	0	0
	0	5	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	60	77	0	0	0	0	0
	0	19	31	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	3	0	0	0	0	0
	0	0	3	0	0	0	0	0
TAPPAN ZEE	47	0	0	0	0	0	0	0
	47	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	47	0	3	0	0	0	0	0
	47	0	3	0	0	0	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WEAKFISH FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	4 3
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	17 10
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	31 31
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	1 1
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	<0.5 <0.5
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	52 33

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	6	2
	0	0	0	0	0	0	4	2
CROTON-HAVERSTRAW	0	0	0	0	0	3	2	4
	0	0	0	0	0	3	2	4
INDIAN POINT	0	0	0	0	0	5	2	0
	0	0	0	0	0	5	2	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	2	NS	0
	0	0		0	0	2		0
SAUGERTIES	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CATSKILL	0	6	NS	0	0	4	NS	0
	0	3		0	0	2		0
ALBANY	80	18	NS	0	0	1	NS	0
	80	8		0	0	1		0
TOTAL STANDING CROP	80	24	0	0	0	15	11	6
	80	8	0	0	0	7	5	4

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	7	17	15
	0	0	0	0	0	7	7	9
CROTON-HAVERSTRAW	0	0	0	0	0	0	3	4
	0	0	0	0	0	0	3	4
INDIAN POINT	0	0	0	0	0	10	0	0
	0	0	0	0	0	6	0	0
WEST POINT	0	0	NS	0	0	4	NS	0
	0	0		0	0	4		0
CORNWALL	0	0	0	0	0	5	1	0
	0	0	0	0	0	5	1	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	5	NS	0	0	5	NS	0
	0	3		0	0	3		0
SAUGERTIES	0	2	NS	0	0	11	NS	0
	0	2		0	0	7		0
CATSKILL	37	42	NS	0	0	11	NS	2
	37	15		0	0	4		2
ALBANY	18	20	NS	0	0	2	NS	0
	18	10		0	0	1		0
TOTAL STANDING CROP	55	68	0	0	0	55	22	21
	41	18	0	0	0	15	8	10

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	4	0
	0	0	0	0	0	0	4	0
TAPPAN ZEE	0	0	0	0	0	0	25	2
	0	0	0	0	0	0	8	2
CROTON-HAVERSTRAW	0	0	0	0	0	3	0	13
	0	0	0	0	0	3	0	13
INDIAN POINT	0	0	0	0	0	8	11	2
	0	0	0	0	0	8	6	2
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	0	4	2
	0	0	0	0	0	0	2	2
POUGHKEEPSIE	0	6	NS	0	0	0	NS	0
	0	6		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	3	NS	0	0	3	NS	0
	0	3		0	0	3		0
SAUGERTIES	0	25	NS	0	0	0	NS	4
	0	13		0	0	0		3
CATSKILL	35	83	NS	0	0	16	NS	0
	35	25		0	0	6		0
ALBANY	0	37	NS	0	0	0	NS	2
	0	25		0	0	0		2
TOTAL STANDING CROP	35	154	0	0	0	29	44	25
	35	38	0	0	0	10	11	14

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	6	8	11
	0	0	0	0	0	6	5	6
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	13
	0	0	0	0	0	0	0	13
INDIAN POINT	0	0	0	0	0	0	9	0
	0	0	0	0	0	0	9	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	1	0	0	0	1	2
	0	0	1	0	0	0	1	2
POUGHKEEPSIE	0	8	NS	0	0	9	NS	0
	0	8		0	0	9		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
SAUGERTIES	0	8	NS	0	0	0	NS	2
	0	4		0	0	0		2
CATSKILL	0	89	NS	0	0	17	NS	0
	0	31		0	0	7		0
ALBANY	0	50	NS	0	0	0	NS	0
	0	11		0	0	0		0
TOTAL STANDING CROP	0	158	1	0	0	32	18	29
	0	34	1	0	0	13	11	15

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	11	6
	0	0	0	0	0	0	6	6
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	5	2	0
	0	0	0	0	0	5	2	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	1	0	0	0	5	0
	0	0	1	0	0	0	1	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	6	NS	0	0	3	NS	0
	0	6		0	0	3		0
SAUGERTIES	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
CATSKILL	0	16	NS	0	0	11	NS	0
	0	8		0	0	4		0
ALBANY	0	42	NS	0	0	1	NS	0
	0	22		0	0	1		0
TOTAL STANDING CROP	0	67	1	0	0	19	18	6
	0	25	1	0	0	7	6	6

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	7	6
	0	0	0	0	0	0	5	3
CROTON-HAVERSTRAW	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	3	0
INDIAN POINT	0	0	0	0	0	9	4	0
	0	0	0	0	0	9	3	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	5	8	0	0	5	3	0
	0	5	1	0	0	5	3	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	88	4	NS	0	0	7	NS	0
	88	4		0	0	4		0
KINGSTON	0	6	NS	0	0	3	NS	0
	0	4		0	0	3		0
SAUGERTIES	0	2	NS	0	0	10	NS	0
	0	2		0	0	7		0
CATSKILL	0	7	NS	0	0	6	NS	0
	0	4		0	0	5		0
ALBANY	0	8	NS	0	0	0	NS	0
	0	4		0	0	0		0
TOTAL STANDING CROP	88	33	8	0	0	40	17	6
	88	10	1	0	0	14	7	3

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	9	0	0
	0	0	0	0	0	9	0	0
TAPPAN ZEE	0	0	0	0	0	0	11	8
	0	0	0	0	0	0	6	8
CROTON-HAVERSTRAW	0	3	12	0	0	0	504	2
	0	3	7	0	0	0	479	2
INDIAN POINT	0	16	2	0	0	10	6	0
	0	16	2	0	0	6	4	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	15	0	0
	0	0	0	0	0	6	0	0
POUGHKEEPSIE	0	7	NS	0	0	7	NS	0
	0	7		0	0	7		0
HYDE PARK	0	6	NS	0	0	3	NS	0
	0	4		0	0	3		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	13	NS	0	0	3	NS	0
	0	5		0	0	3		0
CATSKILL	0	9	NS	0	0	4	NS	0
	0	4		0	0	3		0
ALBANY	0	7	NS	0	0	1	NS	0
	0	5		0	0	1		0
TOTAL STANDING CROP	0	61	14	0	0	51	521	9
	0	20	7	0	0	15	479	8

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	4	4
	0	0	0	0	0	0	4	3
CROTON-HAVERSTRAW	0	0	0	0	0	7	14	0
	0	0	0	0	0	5	6	0
INDIAN POINT	0	4	3	0	0	8	14	0
	0	4	2	0	0	5	5	0
WEST POINT	0	3	NS	0	0	0	NS	0
	0	3		0	0	0		0
CORNWALL	0	5	5	0	0	5	7	0
	0	5	2	0	0	5	5	0
POUGHKEEPSIE	0	37	NS	0	0	7	NS	0
	0	16		0	0	7		0
HYDE PARK	0	7	NS	0	0	0	NS	0
	0	4		0	0	0		0
KINGSTON	0	5	NS	0	0	7	NS	0
	0	3		0	0	4		0
SAUGERTIES	0	7	NS	0	0	2	NS	0
	0	4		0	0	2		0
CATSKILL	0	9	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	0	78	8	0	0	37	38	4
	0	19	3	0	0	12	10	3

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	8	0	0
	0	0	0	0	0	8	0	0
TAPPAN ZEE	0	5	3	0	0	11	26	2
	0	5	3	0	0	7	8	2
CROTON-HAVERSTRAW	0	0	0	0	0	3	31	0
	0	0	0	0	0	3	14	0
INDIAN POINT	0	5	2	0	0	6	4	0
	0	5	2	0	0	6	4	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	8	0	0	0	8	7	0
	0	8	0	0	0	8	2	0
POUGHKEEPSIE	0	0	NS	0	0	10	NS	0
	0	0		0	0	10		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
SAUGERTIES	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
CATSKILL	0	4	NS	0	0	0	NS	0
	0	3		0	0	0		0
ALBANY	0	1	NS	0	0	0	NS	0
	0	1		0	0	0		0
TOTAL STANDING CROP	0	23	5	0	0	48	68	2
	0	11	4	0	0	18	16	2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER WHITE CATFISH FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	2 2
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	2 2

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	22 18
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	5 3
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	39 16
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	13 4
HYDE PARK	NS	NS	NS	5 5	NS	NS	NS	4 3
KINGSTON	NS	NS	NS	10 6	NS	NS	NS	2 2
SAUGERTIES	NS	NS	NS	53 22	NS	NS	NS	2 2
CATSKILL	NS	NS	NS	110 61	NS	NS	NS	31 19
ALBANY	NS	NS	NS	132 78	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	311 102	NS	NS	NS	118 31

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	2	0	0	0	17
	0	0	0	2	0	0	0	11
WEST POINT	0	0	NS	1	0	0	NS	14
	0	0		1	0	0		7
CORNWALL	0	0	0	20	0	5	0	62
	0	0	0	17	0	5	0	36
POUGHKEEPSIE	0	0	NS	7	0	0	NS	87
	0	0		7	0	0		87
HYDE PARK	0	0	NS	5	0	3	NS	2
	0	0		4	0	3		1
KINGSTON	0	0	NS	55	0	0	NS	21
	0	0		26	0	0		14
SAUGERTIES	0	0	NS	51	0	0	NS	41
	0	0		28	0	0		26
CATSKILL	0	0	NS	140	0	15	NS	2
	0	0		118	0	15		2
ALBANY	0	1	NS	328	0	9	NS	2
	0	1		244	0	5		2
TOTAL STANDING CROP	0	1	0	608	0	32	0	247
	0	1	0	275	0	17	0	99

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	9
	0	0		0	0	0		8
CORNWALL	0	0	0	7	0	0	1	0
	0	0	0	7	0	0	1	0
POUGHKEEPSIE	0	0	NS	1	0	8	NS	16
	0	0		1	0	8		16
HYDE PARK	0	0	NS	14	0	0	NS	<0.5
	0	0		9	0	0		<0.5
KINGSTON	0	0	NS	98	0	2	NS	9
	0	0		86	0	2		9
SAUGERTIES	0	2	NS	39	0	6	NS	10
	0	2		33	0	4		7
CATSKILL	0	0	NS	205	0	2	NS	63
	0	0		152	0	2		59
ALBANY	0	16	NS	307	0	9	NS	0
	0	10		231	0	5		0
TOTAL STANDING CROP	0	18	0	671	0	27	1	109
	0	10	0	292	0	11	1	62

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	4
	0	0	0	0	0	0	0	3
INDIAN POINT	0	0	0	0	0	0	0	9
	0	0	0	0	0	0	0	7
WEST POINT	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		2
CORNWALL	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	2	0
POUGHKEEPSIE	0	0	NS	60	0	0	NS	10
	0	0		39	0	0		8
HYDE PARK	0	0	NS	4	0	3	NS	0
	0	0		3	0	3		0
KINGSTON	0	0	NS	5	0	52	NS	3
	0	0		5	0	33		2
SAUGERTIES	0	0	NS	21	0	7	NS	4
	0	0		17	0	4		4
CATSKILL	0	0	NS	22	0	2	NS	6
	0	0		13	0	2		4
ALBANY	0	1	NS	78	0	4	NS	10
	0	1		52	0	2		6
TOTAL STANDING CROP	0	1	0	190	0	68	2	48
	0	1	0	69	0	33	2	14

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
WEST POINT	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		2
CORNWALL	0	0	0	0	0	0	0	30
	0	0	0	0	0	0	0	23
POUGHKEEPSIE	0	0	NS	142	0	0	NS	41
	0	0		107	0	0		25
HYDE PARK	0	0	NS	40	0	3	NS	4
	0	0		15	0	3		3
KINGSTON	0	3	NS	34	0	31	NS	12
	0	3		27	0	19		6
SAUGERTIES	0	0	NS	57	0	6	NS	25
	0	0		36	0	4		17
CATSKILL	0	0	NS	437	0	2	NS	20
	0	0		314	0	2		14
ALBANY	0	6	NS	149	0	11	NS	10
	0	3		71	0	6		6
TOTAL STANDING CROP	0	8	0	859	0	53	0	147
	0	4	0	343	0	20	0	42

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	7	0	0	0	13
	0	0	0	7	0	0	0	11
WEST POINT	0	0	NS	1	0	0	NS	4
	0	0		1	0	0		4
CORNWALL	0	0	0	11	0	0	0	4
	0	0	0	9	0	0	0	2
POUGHKEEPSIE	0	0	NS	11	0	0	NS	4
	0	0		11	0	0		3
HYDE PARK	0	0	NS	5	0	3	NS	1
	0	0		4	0	3		1
KINGSTON	0	0	NS	55	0	5	NS	15
	0	0		18	0	4		6
SAUGERTIES	0	0	NS	142	0	0	NS	111
	0	0		36	0	0		52
CATSKILL	0	0	NS	10	0	0	NS	8
	0	0		7	0	0		5
ALBANY	0	12	NS	93	0	20	NS	12
	0	9		67	0	9		12
TOTAL STANDING CROP	0	12	0	336	0	29	0	173
	0	9	0	80	0	11	0	55

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	17
	0	0	0	0	0	0	0	17
WEST POINT	0	0	NS	2	0	0	NS	4
	0	0		1	0	0		3
CORNWALL	0	0	0	5	0	0	0	5
	0	0	0	4	0	0	0	4
POUGHKEEPSIE	0	0	NS	13	0	8	NS	11
	0	0		7	0	8		7
HYDE PARK	0	0	NS	14	0	0	NS	1
	0	0		7	0	0		1
KINGSTON	0	3	NS	127	0	29	NS	14
	0	3		51	0	15		7
SAUGERTIES	0	0	NS	29	0	5	NS	12
	0	0		15	0	3		7
CATSKILL	0	0	NS	51	0	0	NS	24
	0	0		18	0	0		10
ALBANY	0	6	NS	97	0	11	NS	4
	0	3		75	0	5		3
TOTAL STANDING CROP	0	8	0	338	0	53	0	91
	0	4	0	94	0	18	0	23

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	6	0	0	0	0
	0	0	0	6	0	0	0	0
WEST POINT	0	0	NS	1	0	0	NS	3
	0	0		1	0	0		1
CORNWALL	0	0	0	9	0	0	0	89
	0	0	0	4	0	0	0	26
POUGHKEEPSIE	0	0	NS	84	0	0	NS	20
	0	0		28	0	0		15
HYDE PARK	0	0	NS	6	0	0	NS	5
	0	0		4	0	0		2
KINGSTON	0	0	NS	41	0	17	NS	24
	0	0		23	0	9		10
SAUGERTIES	0	0	NS	31	0	5	NS	68
	0	0		15	0	3		27
CATSKILL	0	2	NS	311	0	19	NS	285
	0	2		166	0	9		205
ALBANY	0	14	NS	245	0	17	NS	184
	0	5		141	0	7		130
TOTAL STANDING CROP	0	16	0	733	0	58	0	679
	0	5	0	221	0	14	0	246

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	4	0	2
	0	0	0	0	0	4	0	2
WEST POINT	0	0	NS	0	0	0	NS	2
	0	0		0	0	0		1
CORNWALL	0	0	0	0	0	0	0	16
	0	0	0	0	0	0	0	5
POUGHKEEPSIE	0	0	NS	3	0	0	NS	4
	0	0		3	0	0		4
HYDE PARK	0	0	NS	14	0	0	NS	16
	0	0		7	0	0		12
KINGSTON	0	0	NS	3	0	0	NS	5
	0	0		2	0	0		3
SAUGERTIES	0	0	NS	170	0	15	NS	126
	0	0		103	0	9		72
CATSKILL	0	0	NS	106	0	5	NS	89
	0	0		47	0	4		37
ALBANY	0	1	NS	68	0	2	NS	8
	0	1		45	0	1		5
TOTAL STANDING CROP	0	1	0	365	0	27	0	268
	0	1	0	122	0	10	0	83

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	2
WEST POINT	0	0	NS	0	0	0	NS	5
	0	0		0	0	0		3
CORNWALL	0	0	0	16	0	0	2	25
	0	0	0	7	0	0	2	8
POUGHKEEPSIE	0	63	NS	44	0	14	NS	13
	0	53		37	0	14		11
HYDE PARK	0	0	NS	9	0	6	NS	4
	0	0		4	0	4		2
KINGSTON	0	5	NS	14	0	42	NS	22
	0	3		4	0	11		11
SAUGERTIES	0	3	NS	70	0	35	NS	82
	0	3		34	0	11		22
CATSKILL	0	9	NS	136	0	31	NS	33
	0	5		83	0	8		16
ALBANY	0	19	NS	136	0	30	NS	17
	0	13		76	0	9		8
TOTAL STANDING CROP	0	98	0	424	0	157	2	204
	0	55	0	123	0	24	2	33

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SPOTTAIL SHINER FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	2 2	NS	NS	NS	17 12
WEST POINT	NS	NS	NS	2 2	NS	NS	NS	3 2
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	2 2
POUGHKEEPSIE	NS	NS	NS	3 3	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	5 4	NS	NS	NS	2 1
KINGSTON	NS	NS	NS	10 8	NS	NS	NS	10 10
SAUGERTIES	NS	NS	NS	12 8	NS	NS	NS	8 5
CATSKILL	NS	NS	NS	37 33	NS	NS	NS	6 6
ALBANY	NS	NS	NS	4 3	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	75 36	NS	NS	NS	47 18

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	6 4	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	5 5	1 1	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	29 9	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	11 8	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	5 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	58 15	1 1	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	3	0	0
	0	0	0	0	0	3	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	9	NS	0
	0	0		0	0	6		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	10	NS	0
	0	0		0	0	4		0
KINGSTON	0	0	NS	0	0	12	NS	0
	0	0		0	0	5		0
SAUGERTIES	0	0	NS	0	0	6	NS	0
	0	0		0	0	6		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	0	0	0	0	39	0	0
	0	0	0	0	0	11	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	8 8	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	16 7	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	5 5	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	8 8	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	21 8	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	53 11	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	8 6	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	120 20	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	16 7	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	10 6	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	8 8	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	7 5	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	17 10	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	23 13	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	82 21	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	6 4	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	5 5	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	17 17	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	6 4	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	15 9	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	5 5	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	56 21	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	11 7	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	23 14	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	5 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	42 17	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	6	0	0
	0	0	0	0	0	4	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
CORNWALL	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
POUGHKEEPSIE	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
HYDE PARK	0	0	NS	0	0	3	NS	0
	0	0		0	0	3		0
KINGSTON	0	0	NS	0	0	9	NS	0
	0	0		0	0	6		0
SAUGERTIES	0	0	NS	0	0	2	NS	0
	0	0		0	0	2		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	0	0	0	0	24	0	0
	0	0	0	0	0	9	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TAPPAN ZEE	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
CROTON-HAVERSTRAW	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
INDIAN POINT	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
WEST POINT	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
CORNWALL	0	0	0	0	0	5	0	0
	0	0	0	0	0	5	0	0
POUGHKEEPSIE	0	0	NS	0	0	7	NS	0
	0	0		0	0	7		0
HYDE PARK	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
KINGSTON	0	0	NS	0	0	10	NS	0
	0	0		0	0	6		0
SAUGERTIES	0	0	NS	0	0	2	NS	0
	0	0		0	0	2		0
CATSKILL	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
ALBANY	0	0	NS	0	0	0	NS	0
	0	0		0	0	0		0
TOTAL STANDING CROP	0	0	0	0	0	25	0	0
	0	0	0	0	0	11	0	0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	4 4	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	10 10	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	11 6	NS	0 0
SAUGERTIES	0 0	2 2	NS	0 0	0 0	2 2	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	2 2	0 0	0 0	0 0	28 13	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER ATLANTIC STURGEON FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 06JUL87 TO 17JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 24JUN87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 20JUL87 TO 30JUL87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	6 6	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	17 17	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	17 17	6 6	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 03AUG87 TO 13AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 17AUG87 TO 27AUG87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 31AUG87 TO 11SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	5 4	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	8 5	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 14SEP87 TO 24SEP87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	6 4	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	3 3	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	9 5	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 28SEP87 TO 08OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 13OCT87 TO 22OCT87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 26OCT87 TO 05NOV87 . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

REGION	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TAPPAN ZEE	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
CROTON-HAVERSTRAW	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
INDIAN POINT	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
WEST POINT	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
CORNWALL	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
POUGHKEEPSIE	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
HYDE PARK	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
KINGSTON	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
SAUGERTIES	0 0	0 0	NS	0 0	0 0	2 2	NS	0 0
CATSKILL	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
ALBANY	0 0	0 0	NS	0 0	0 0	0 0	NS	0 0
TOTAL STANDING CROP	0 0	0 0	0 0	0 0	0 0	2 2	0 0	0 0

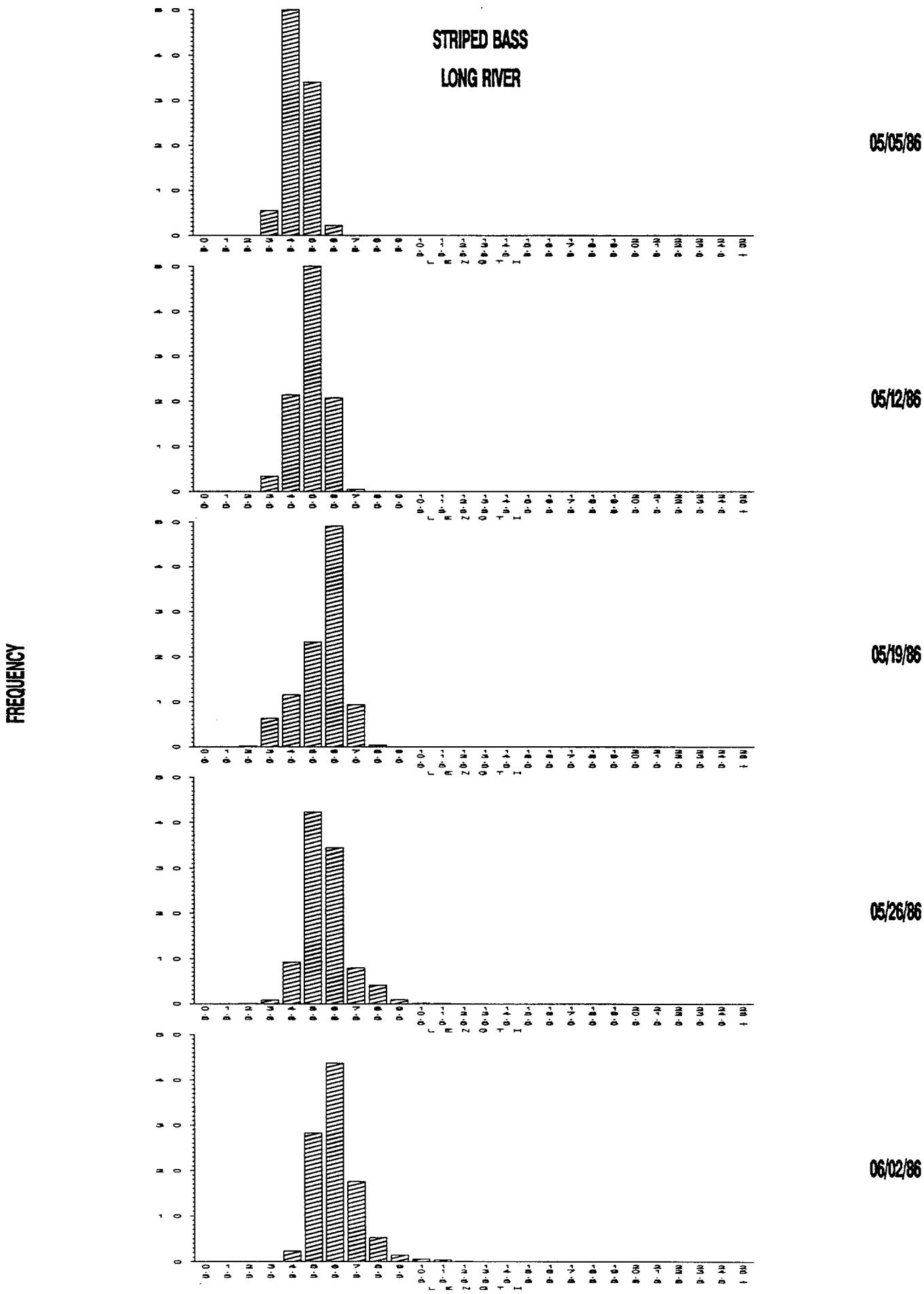
1987 FALL SHOALS AND BEACH SEINE SURVEYS STANDING CROP DATA (IN THOUSANDS) FOR YOUNG-OF-YEAR AND YEARLING AND OLDER SHORTNOSE STURGEON FROM 10NOV87 TO . STANDARD ERRORS (IN THOUSANDS) ARE PRINTED BELOW EACH STANDING CROP. "NS" INDICATES THAT THE STRATUM WAS NOT SAMPLED

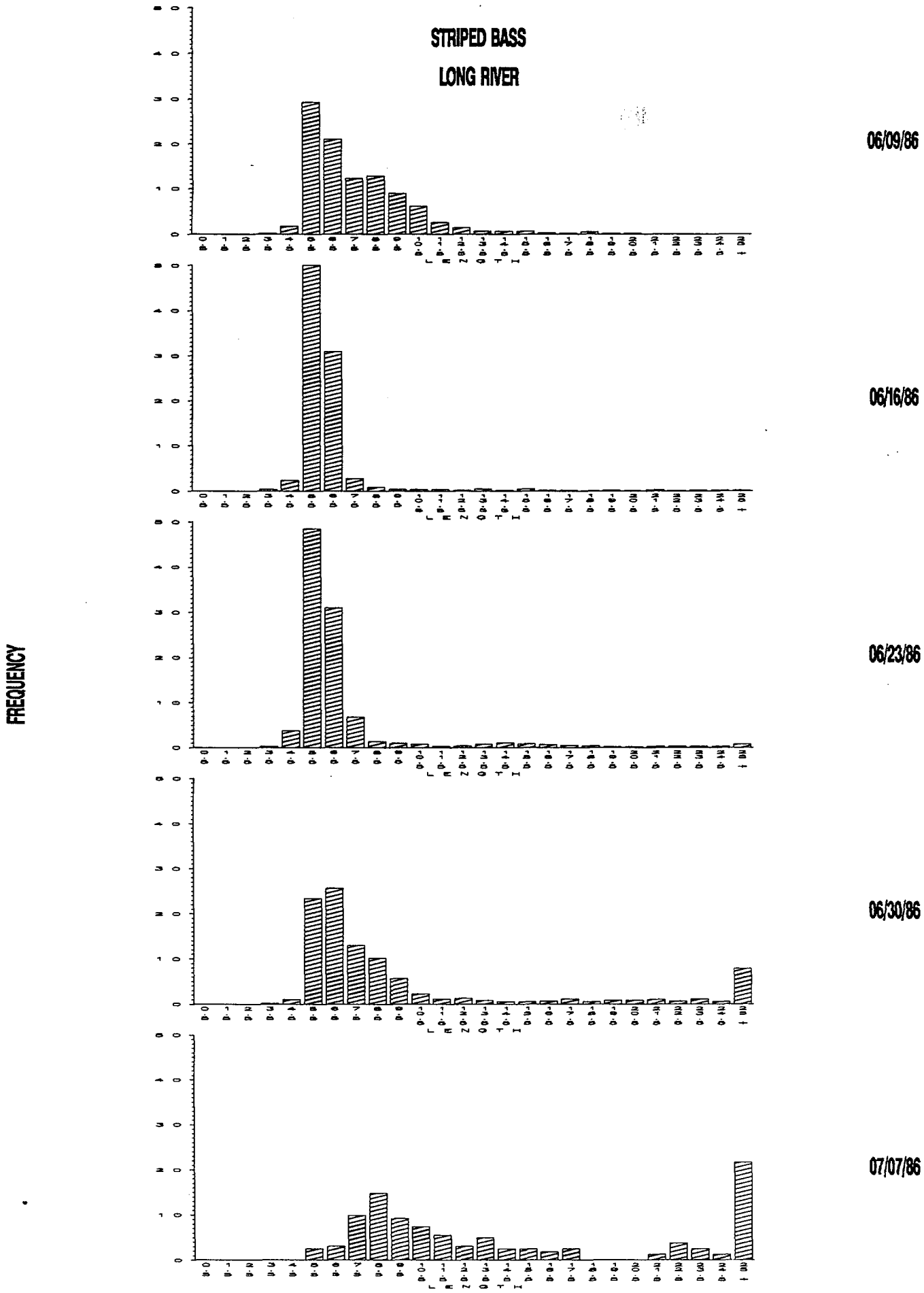
	YOUNG-OF-YEAR				YEARLING AND OLDER			
	FALL SHOALS			BEACH SEINE	FALL SHOALS			BEACH SEINE
REGION	CHANNEL	BOTTOM	SHOAL	SHORE	CHANNEL	BOTTOM	SHOAL	SHORE
YONKERS	NS	NS	NS	0 0	NS	NS	NS	0 0
TAPPAN ZEE	NS	NS	NS	0 0	NS	NS	NS	0 0
CROTON-HAVERSTRAW	NS	NS	NS	0 0	NS	NS	NS	0 0
INDIAN POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
WEST POINT	NS	NS	NS	0 0	NS	NS	NS	0 0
CORNWALL	NS	NS	NS	0 0	NS	NS	NS	0 0
POUGHKEEPSIE	NS	NS	NS	0 0	NS	NS	NS	0 0
HYDE PARK	NS	NS	NS	0 0	NS	NS	NS	0 0
KINGSTON	NS	NS	NS	0 0	NS	NS	NS	0 0
SAUGERTIES	NS	NS	NS	0 0	NS	NS	NS	0 0
CATSKILL	NS	NS	NS	0 0	NS	NS	NS	0 0
ALBANY	NS	NS	NS	0 0	NS	NS	NS	0 0
TOTAL STANDING CROP	NS	NS	NS	0 0	NS	NS	NS	0 0

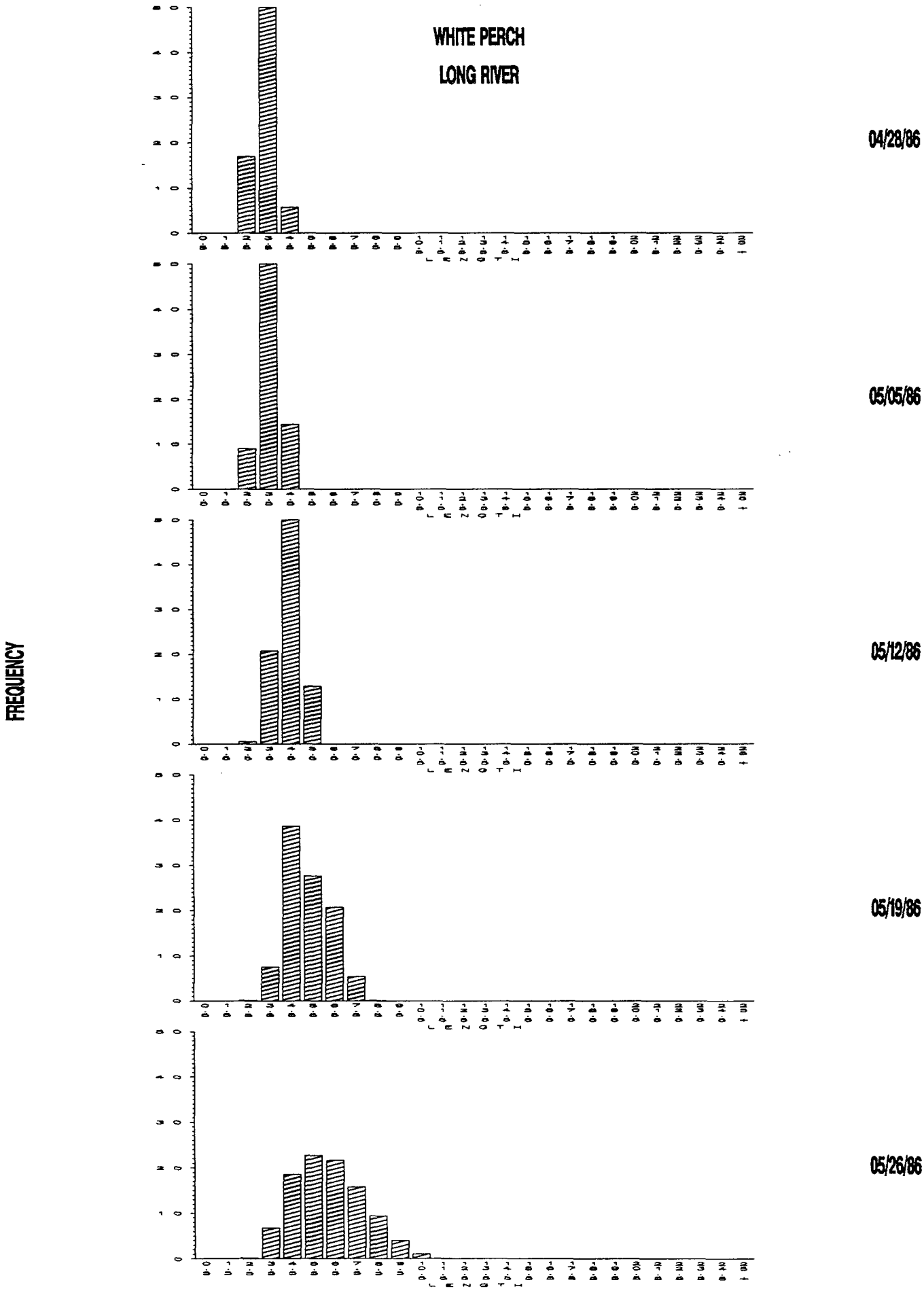
APPENDIX K

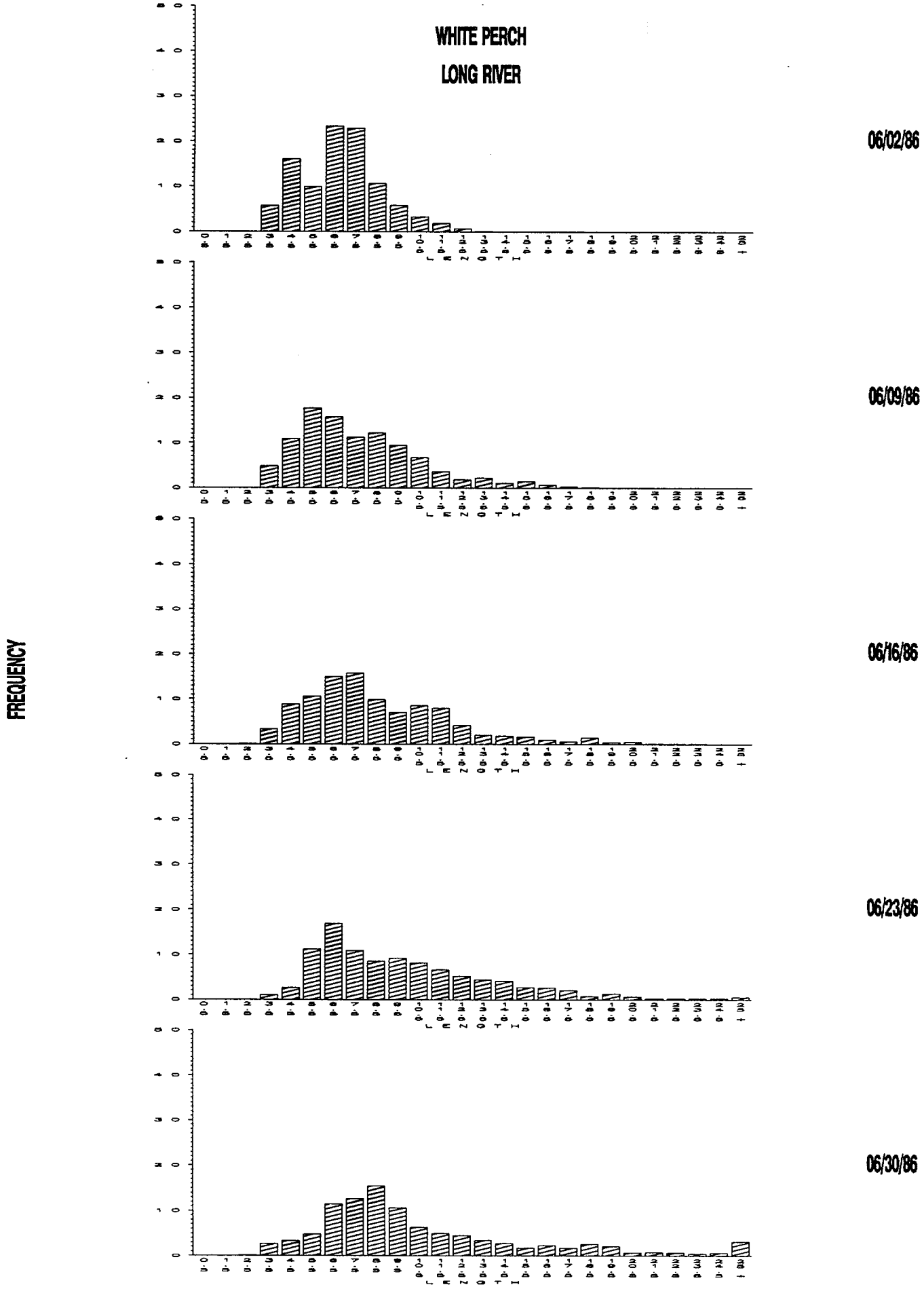
LRS, FSS, AND BSS, LENGTH FREQUENCY STRIPED BASS

WHITE PERCH, AND AMERICAN SHAD (1986 and 1987)


STRIPED BASS
LONG RIVER
FREQUENCY
05/05/86
05/12/86
05/19/86
05/26/86
06/02/86

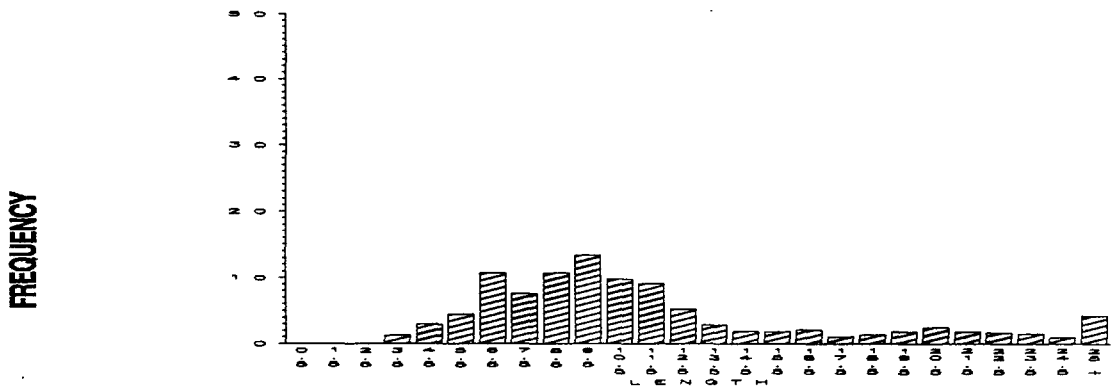

STRIPED BASS
LONG RIVER
FREQUENCY
LENGTH
06/09/86
06/16/86
06/23/86
06/30/86
07/07/86


WHITE PERCH
LONG RIVER
FREQUENCY
04/28/86
05/05/86
05/12/86
05/19/86
05/26/86

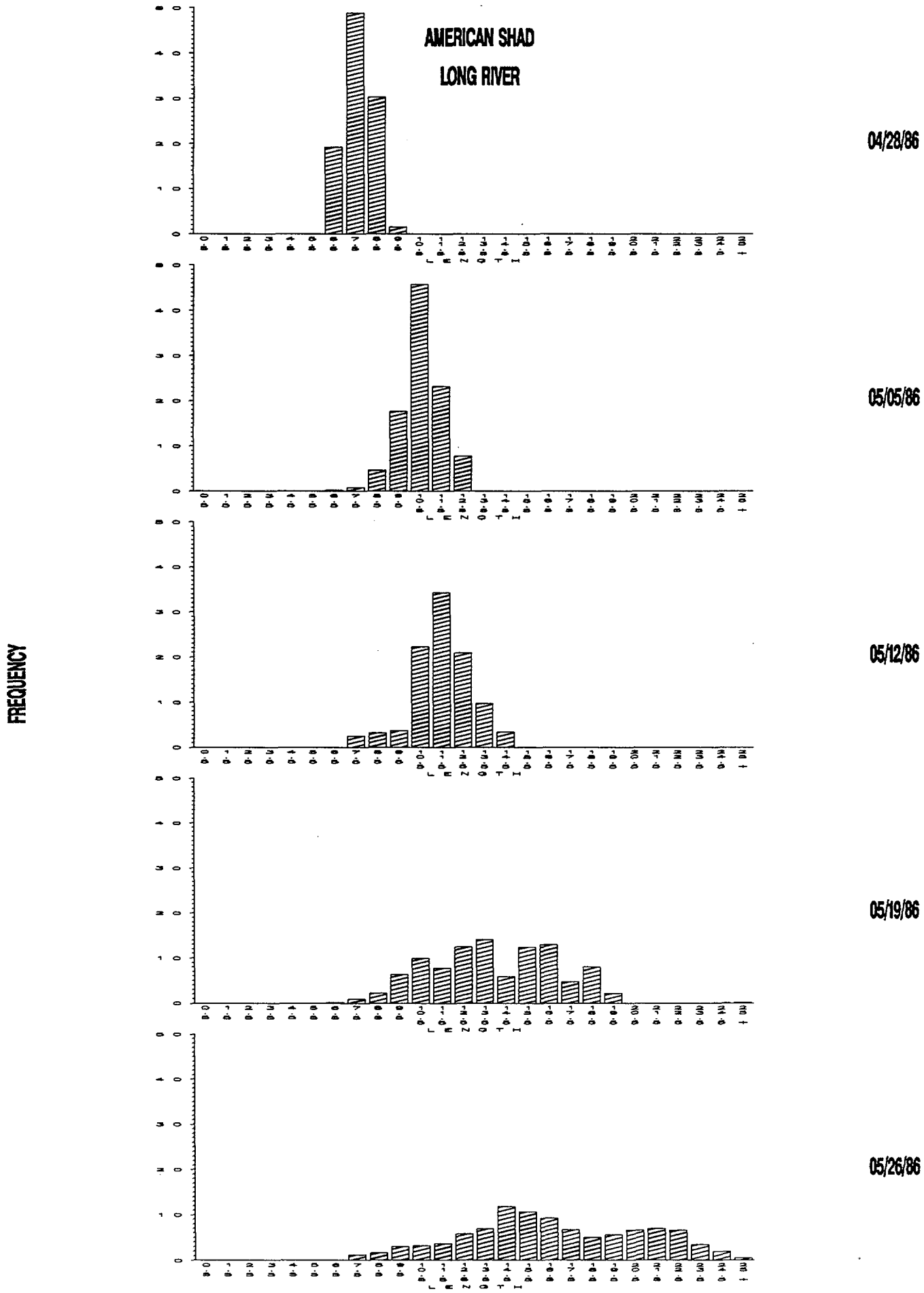

WHITE PERCH
LONG RIVER
FREQUENCY
06/02/86
06/09/86
06/16/86
06/23/86
06/30/86

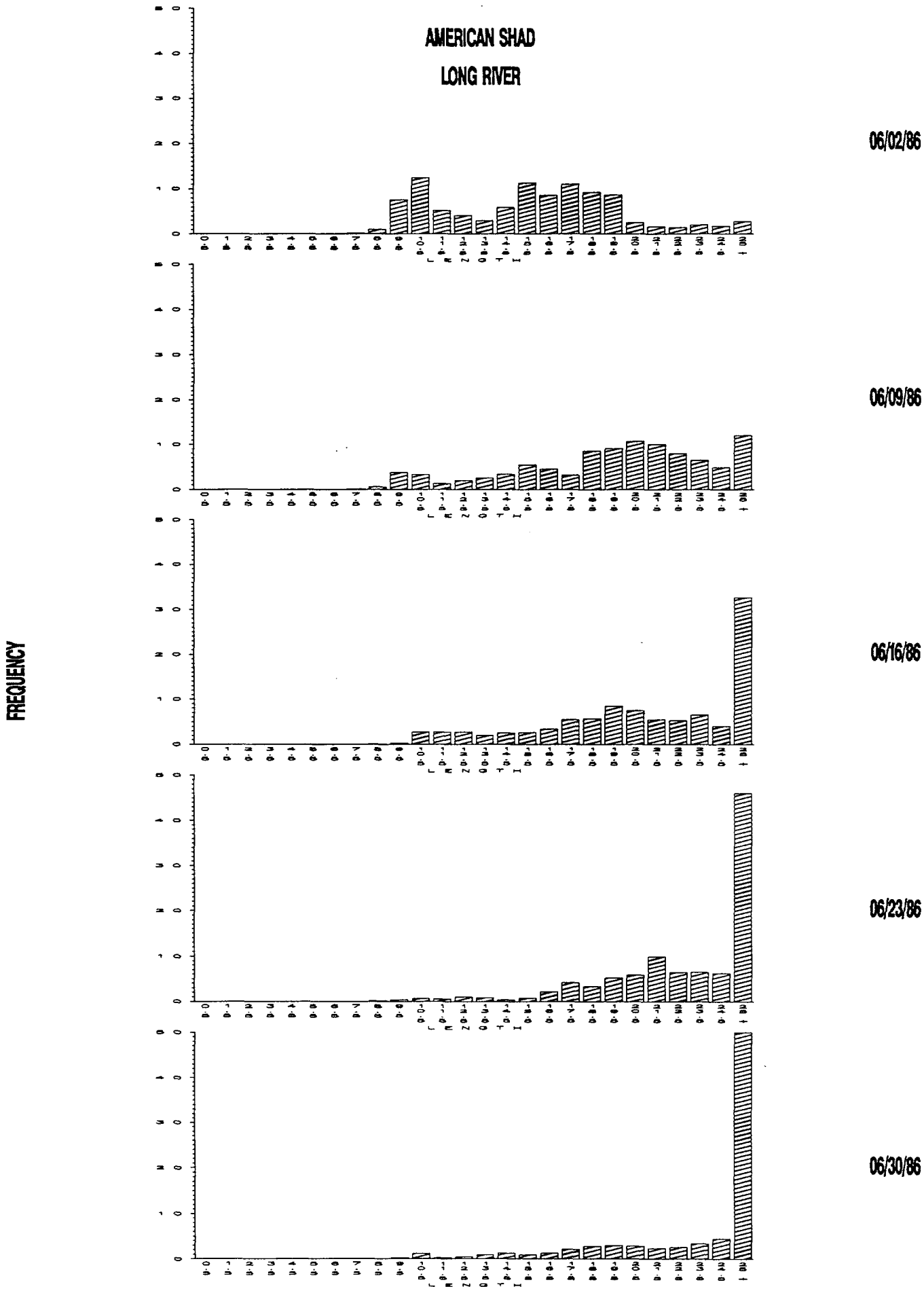
WHITE PERCH

LONG RIVER



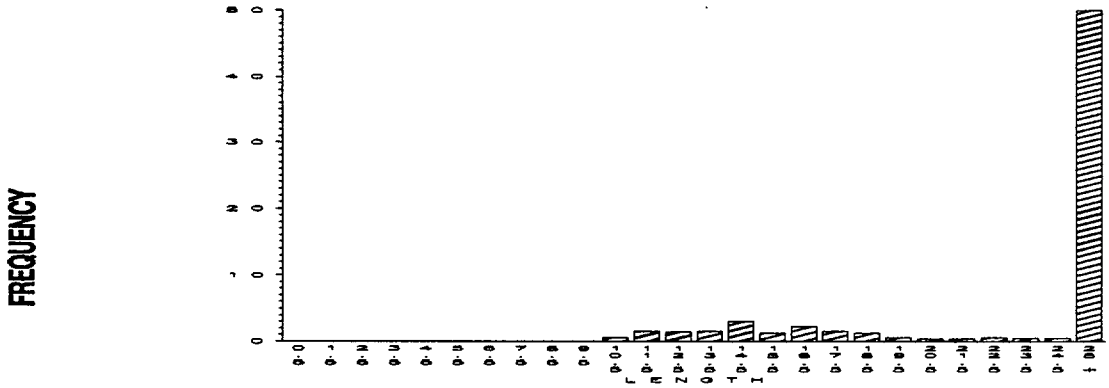
07/07/86


AMERICAN SHAD
LONG RIVER
FREQUENCY
LENGTH
04/28/86
05/05/86
05/12/86
05/19/86
05/26/86

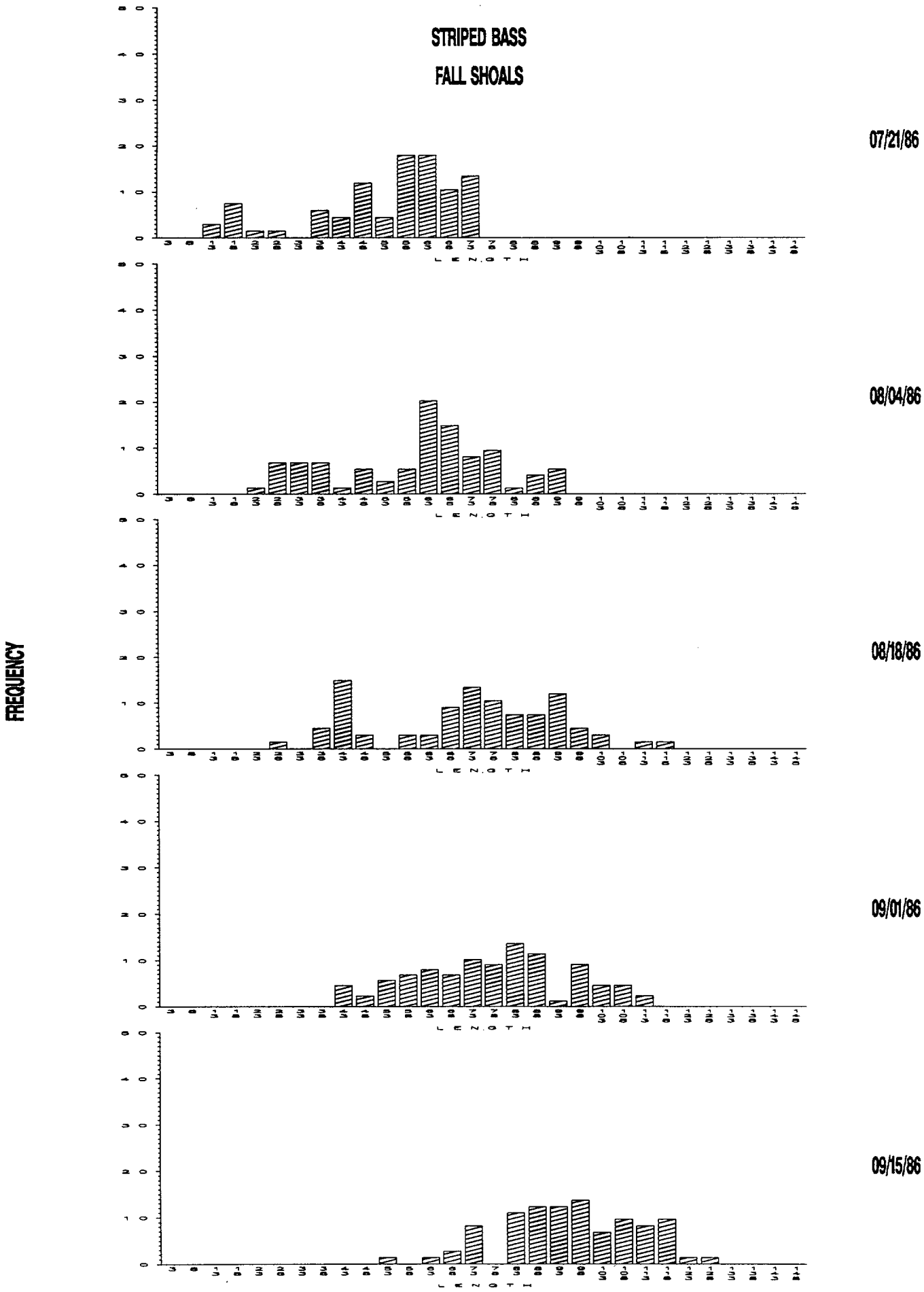

AMERICAN SHAD
LONG RIVER
FREQUENCY
06/02/86
06/09/86
06/16/86
06/23/86
06/30/86

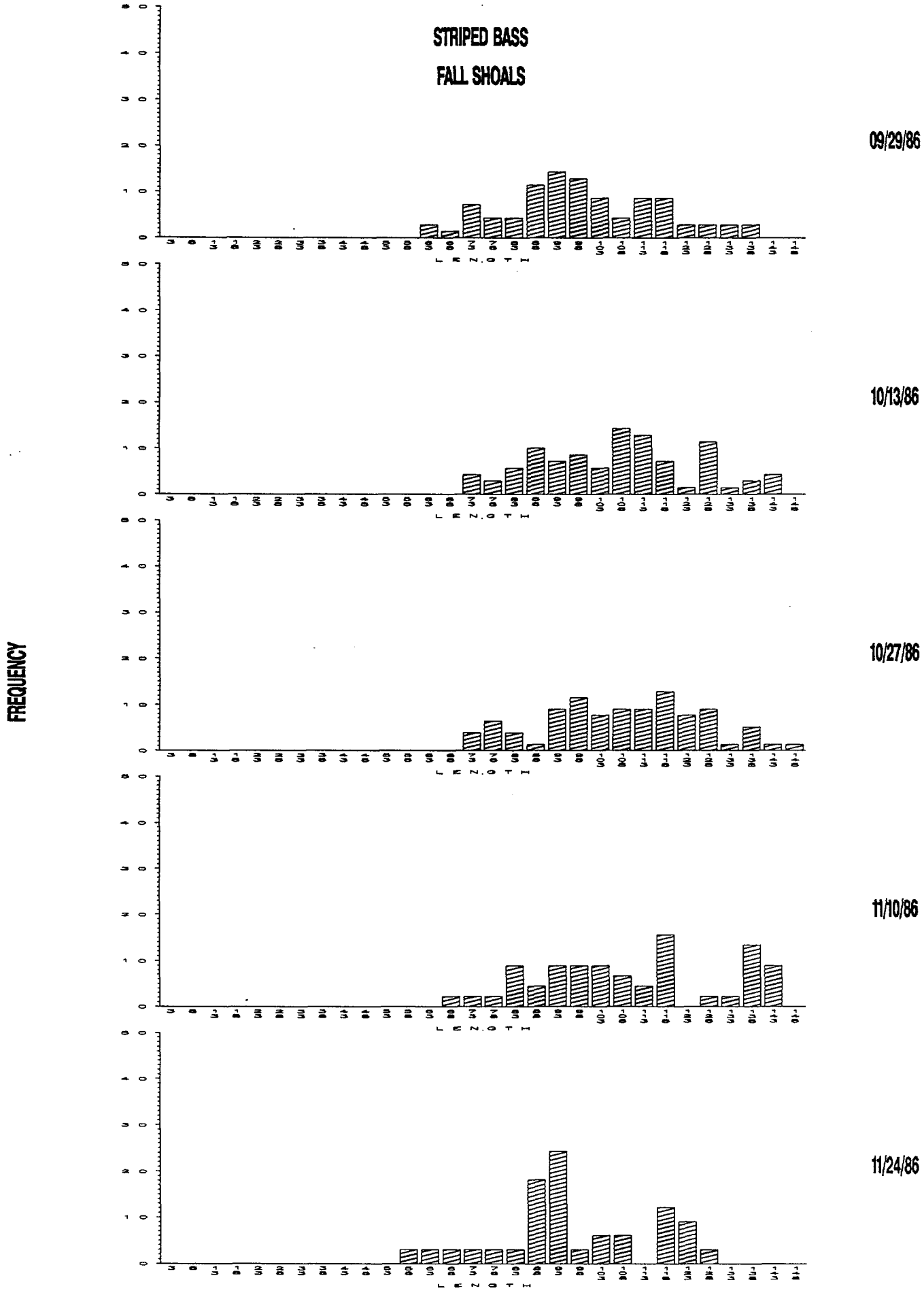
AMERICAN SHAD

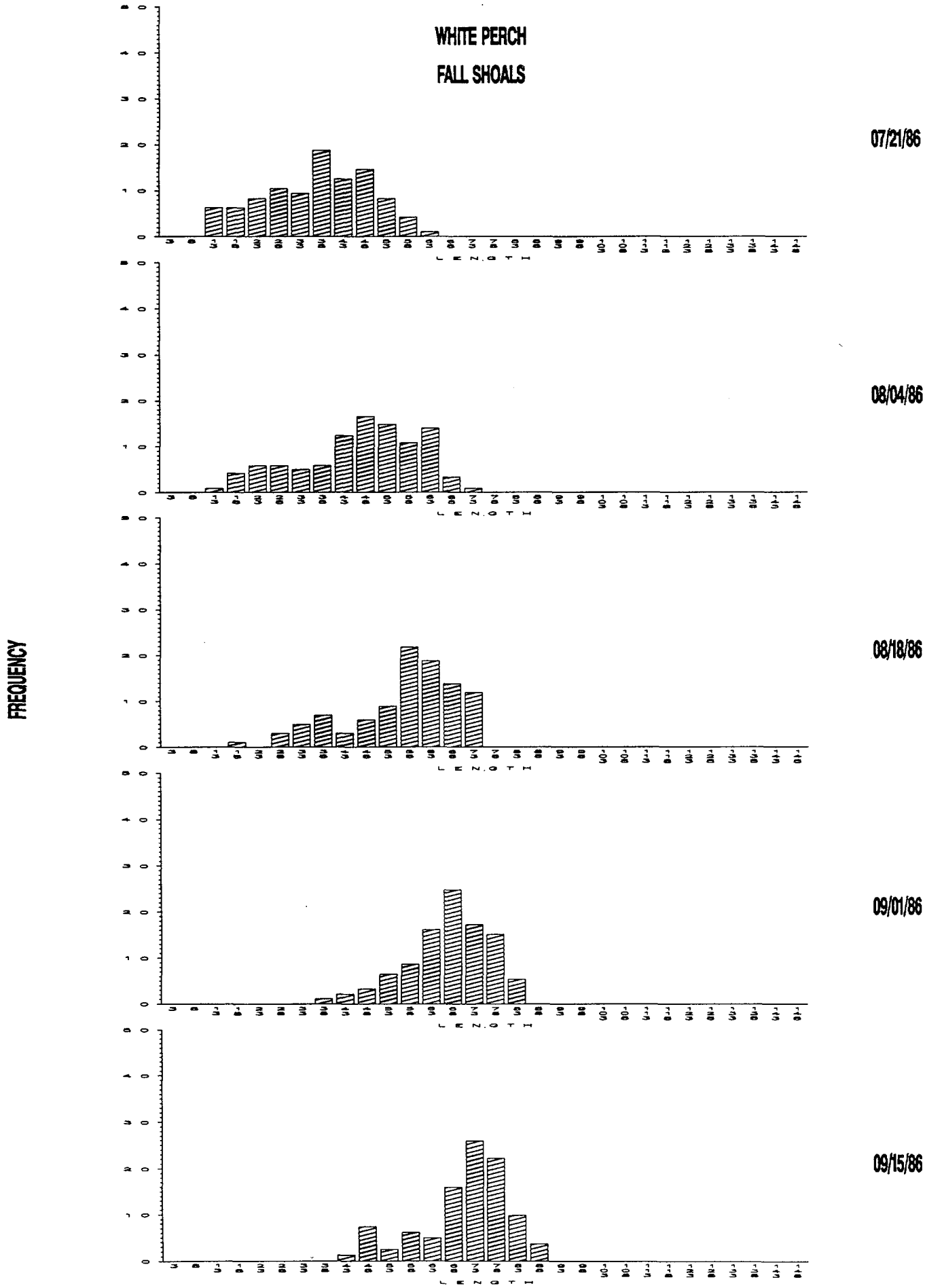
LONG RIVER

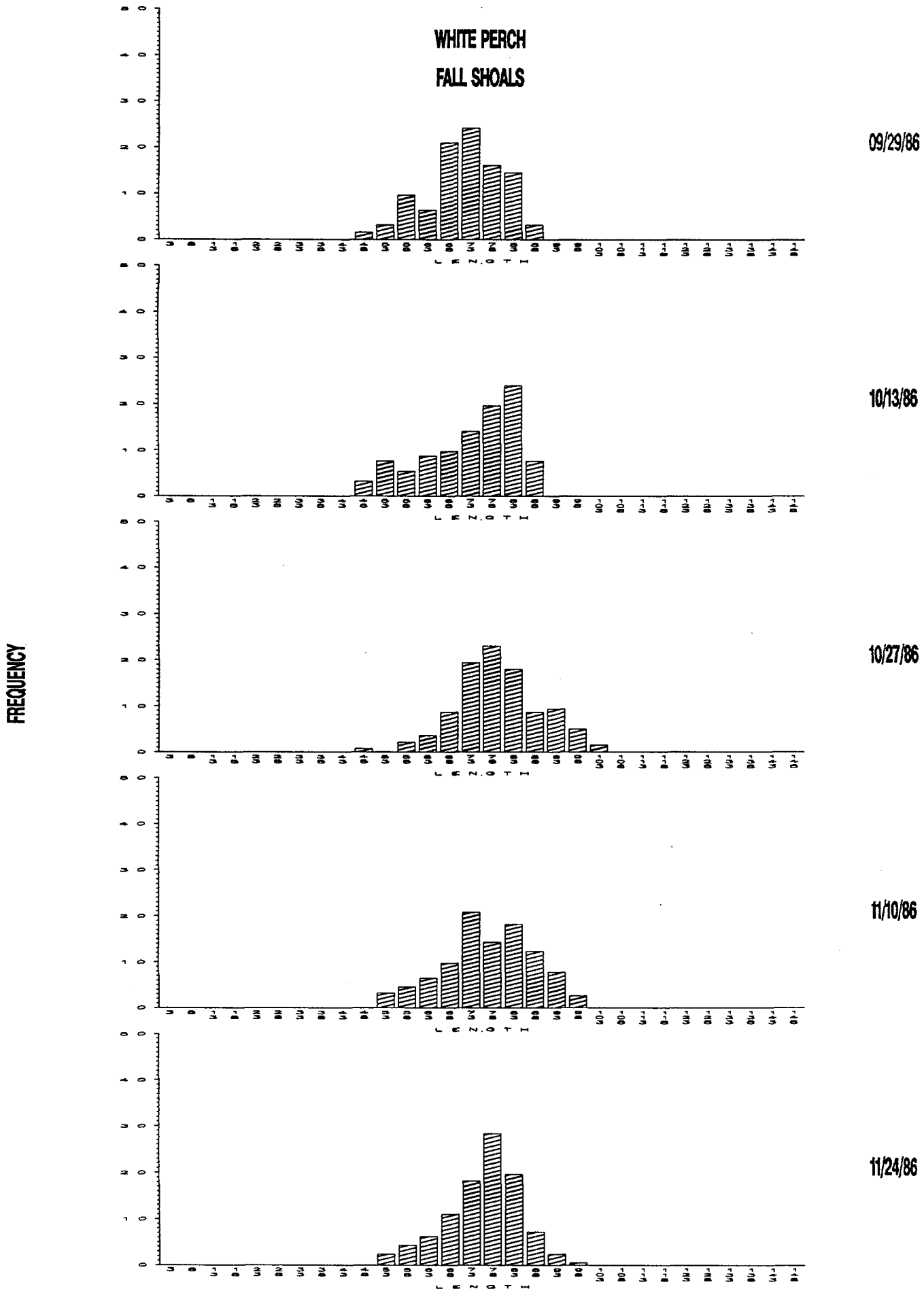


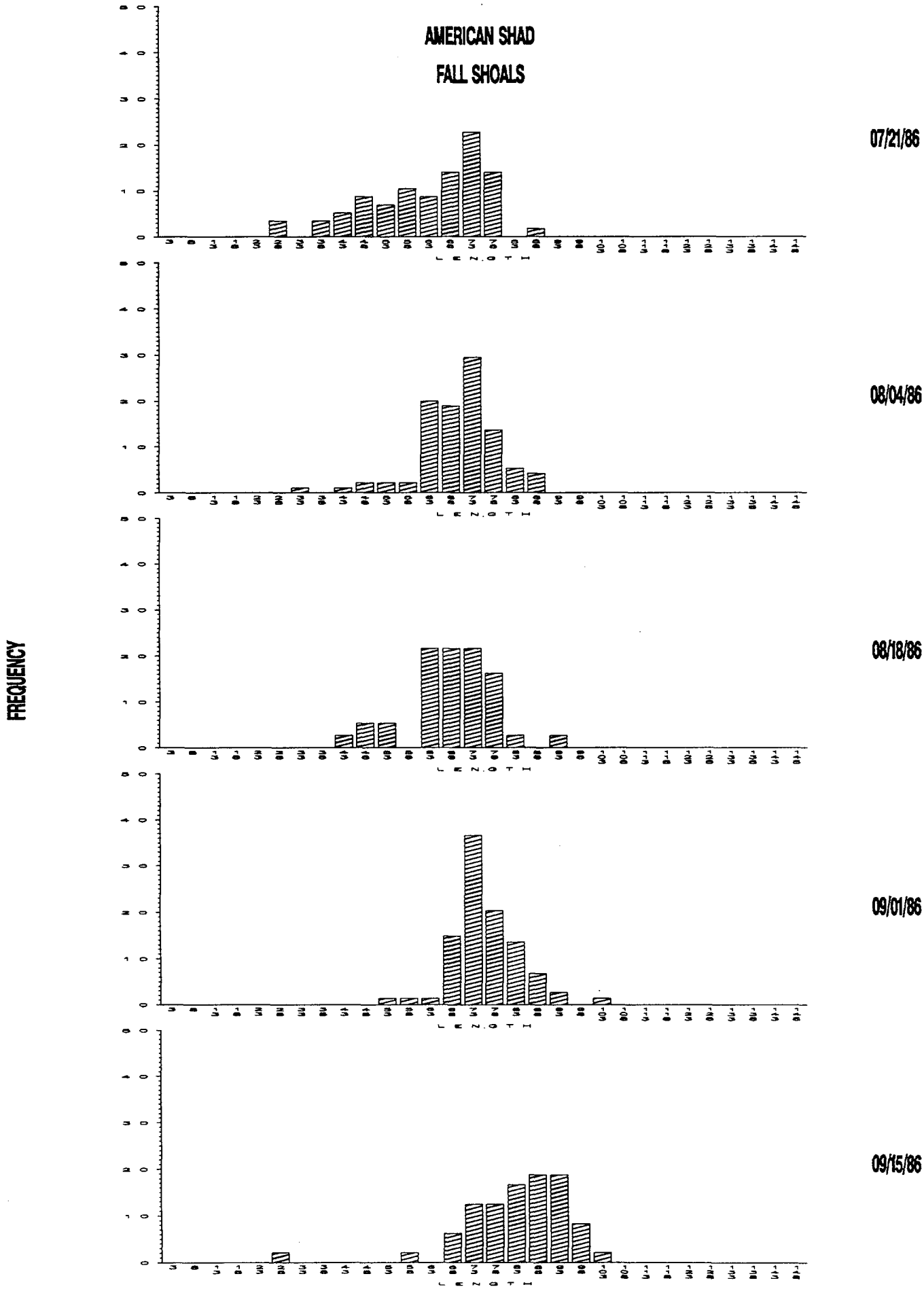
07/07/86

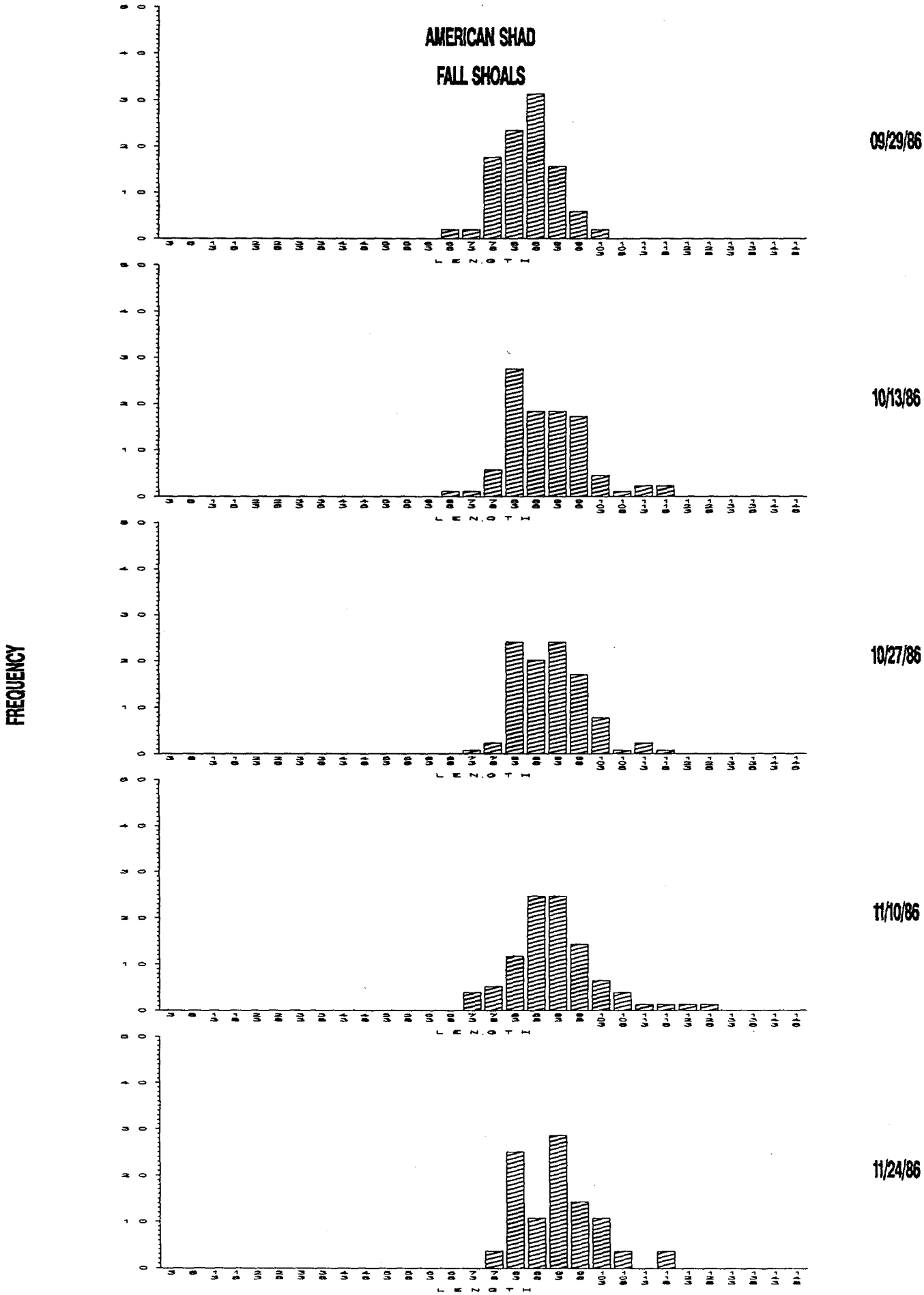

STRIPED BASS
FALL SHOALS
FREQUENCY
07/21/86
08/04/86
08/18/86
09/01/86
09/15/86

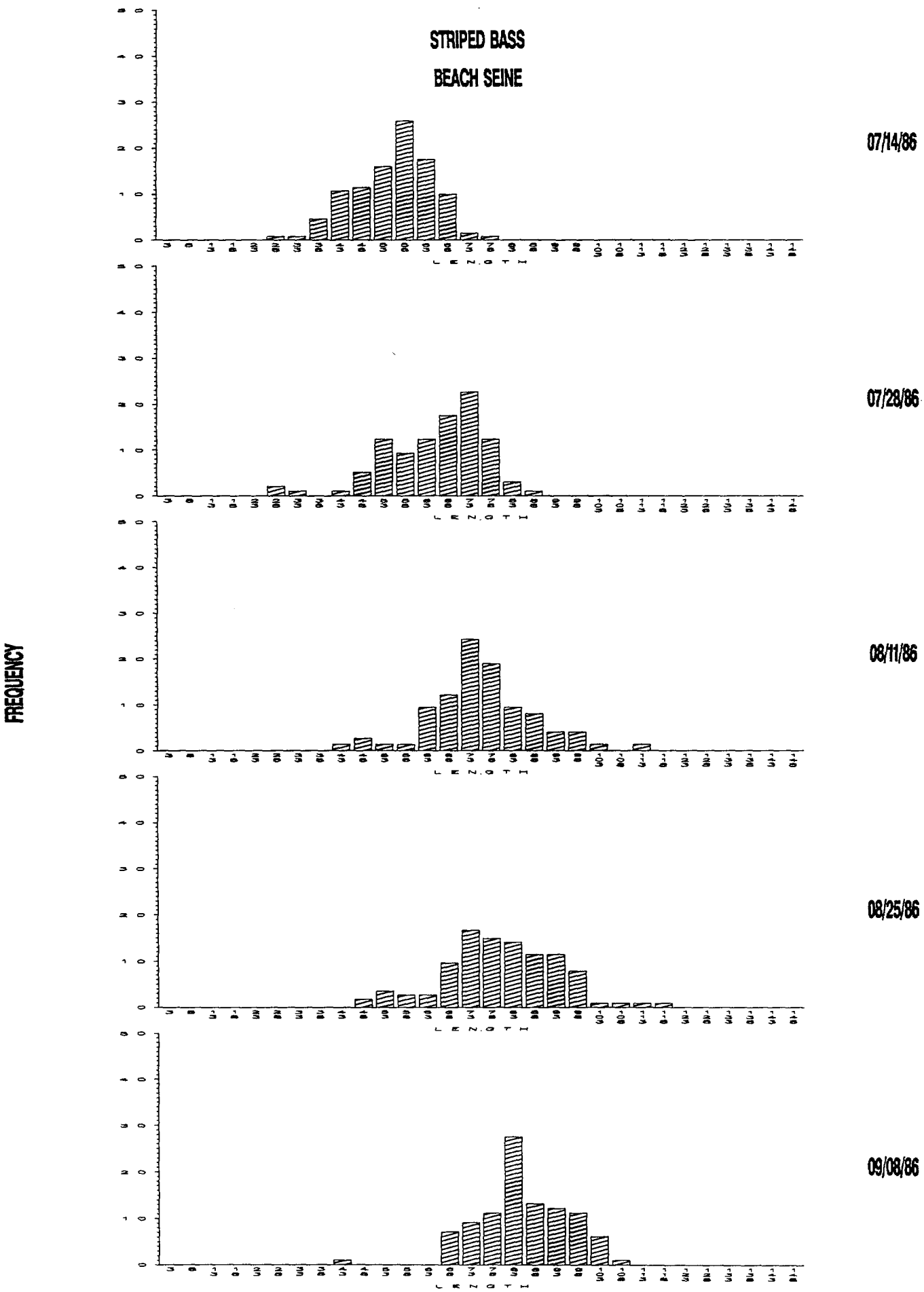

STRIPED BASS
FALL SHOALS
FREQUENCY
09/29/86
10/13/86
10/27/86
11/10/86
11/24/86

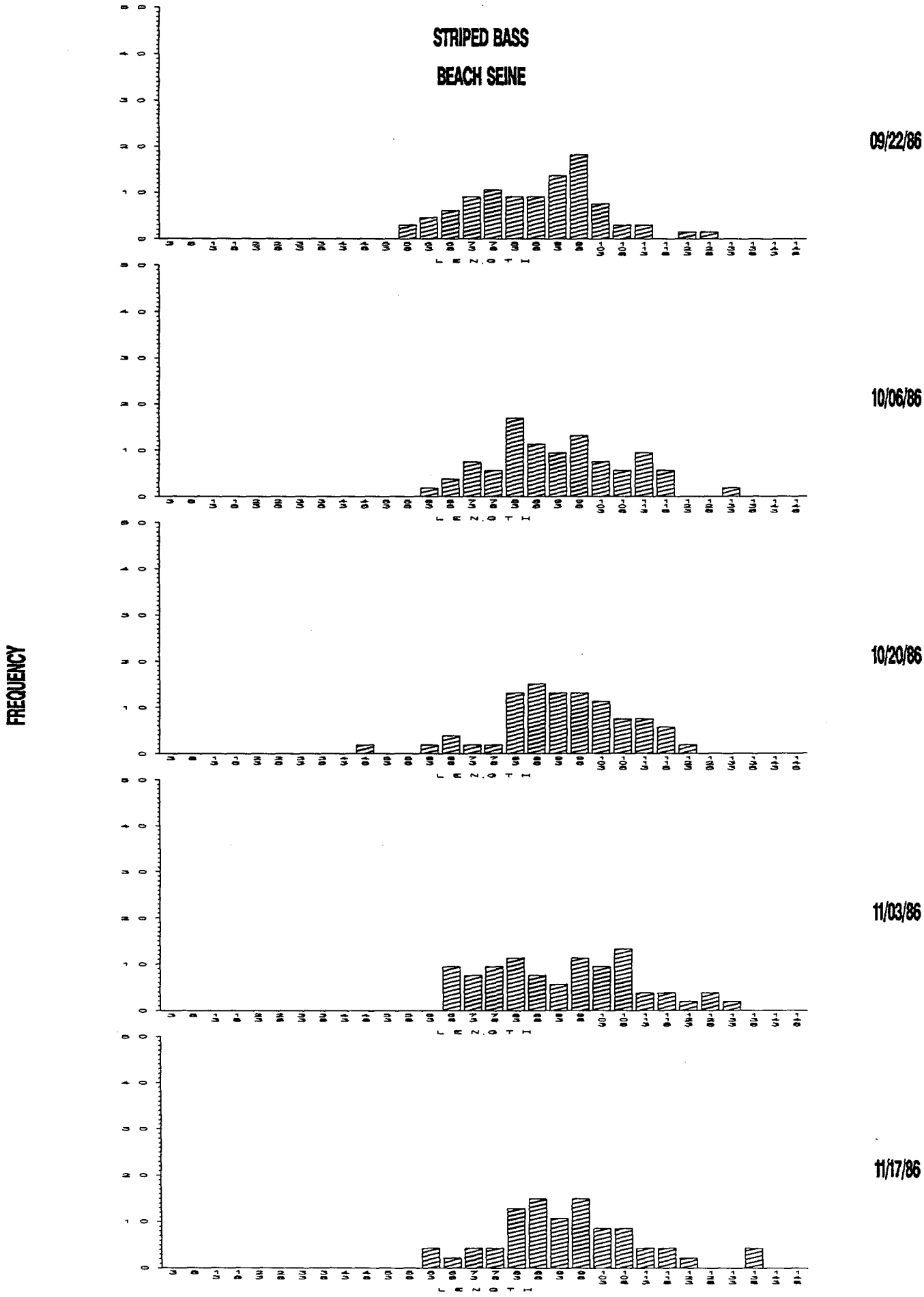

WHITE PERCH
FALL SHOALS
07/21/86
08/04/86
08/18/86
09/01/86
09/15/86
FREQUENCY

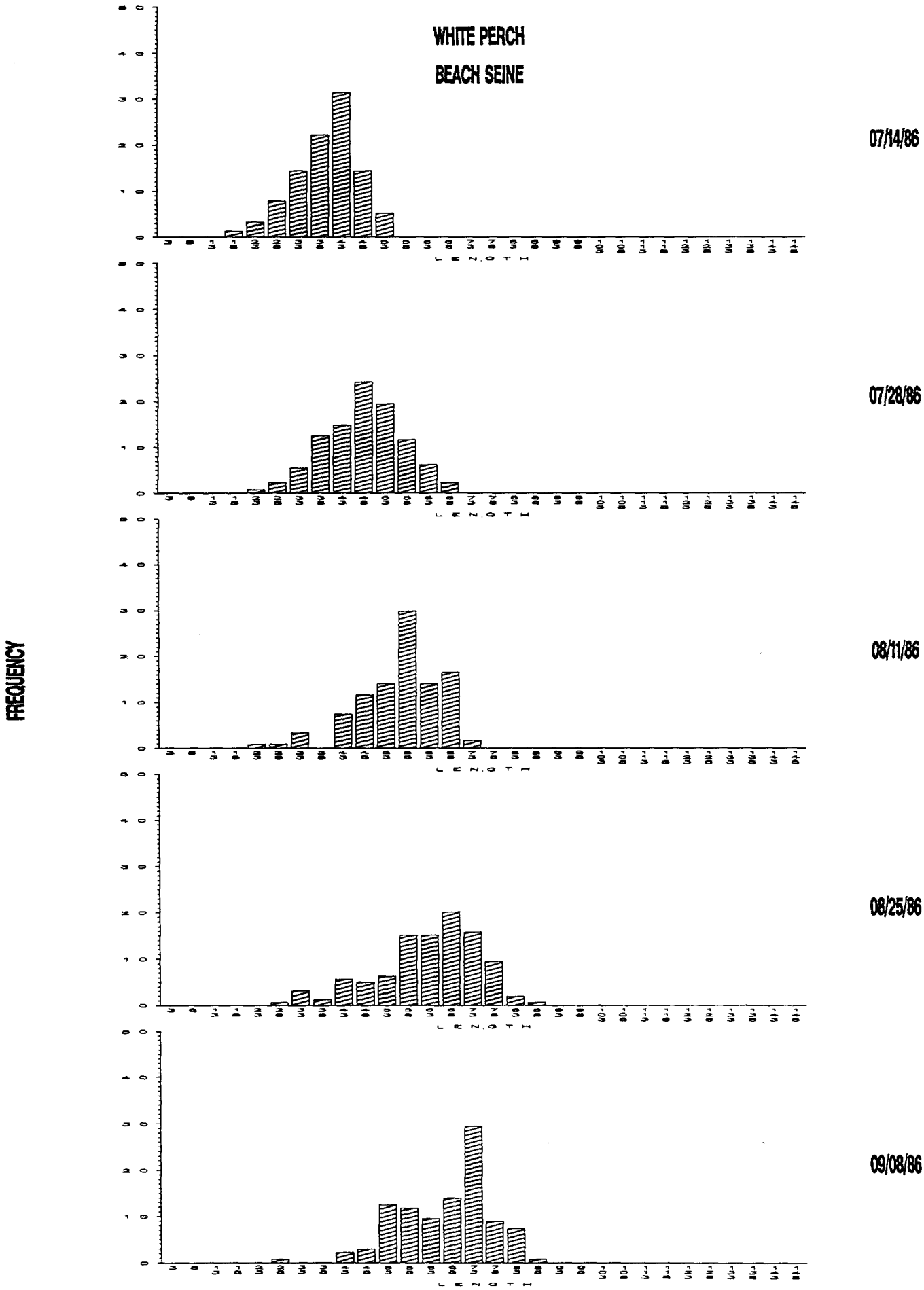

WHITE PERCH
FALL SHOALS
FREQUENCY
09/29/86
10/13/86
10/27/86
11/10/86
11/24/86

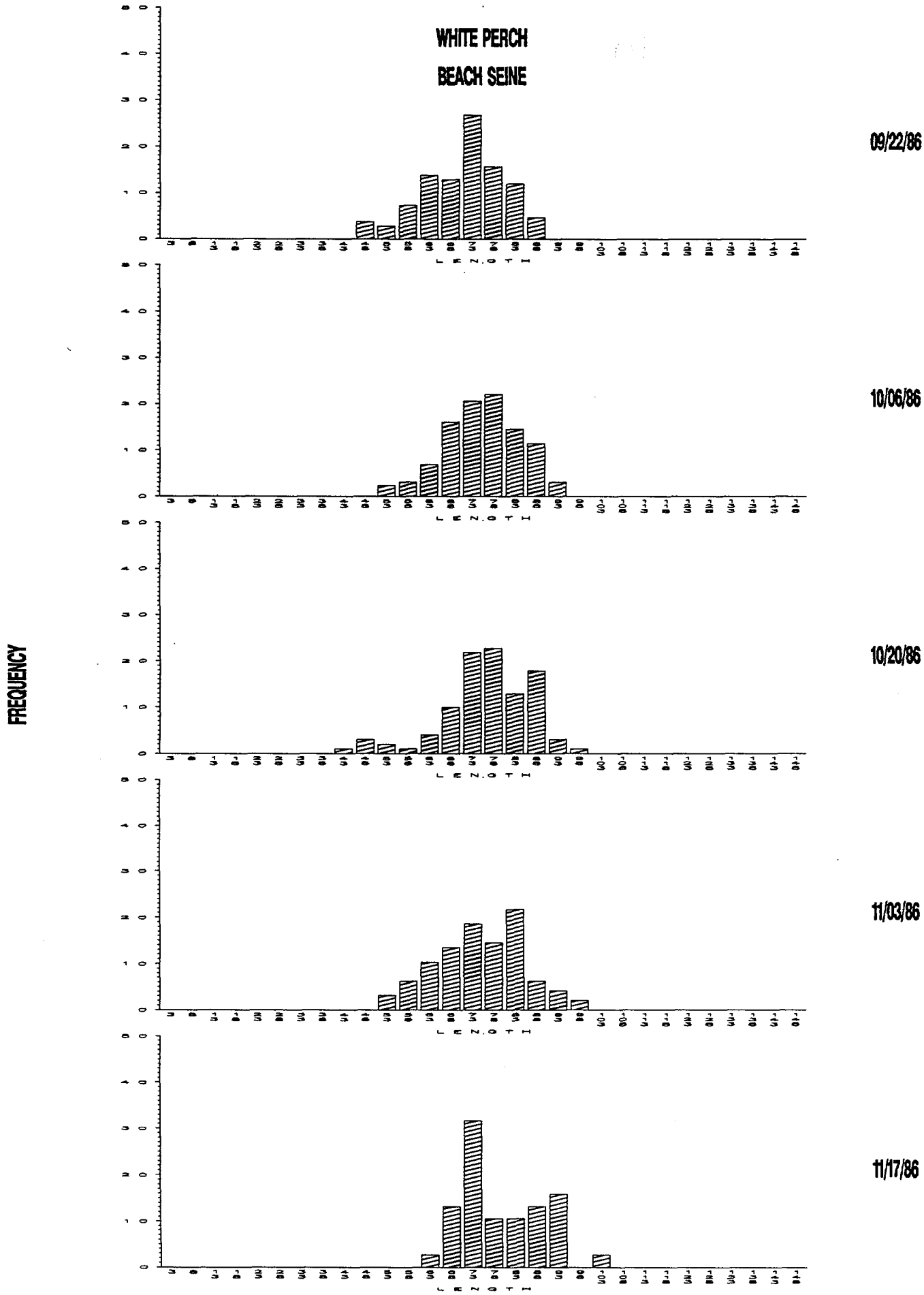

AMERICAN SHAD
FALL SHOALS
07/21/86
08/04/86
08/18/86
09/01/86
09/15/86
FREQUENCY

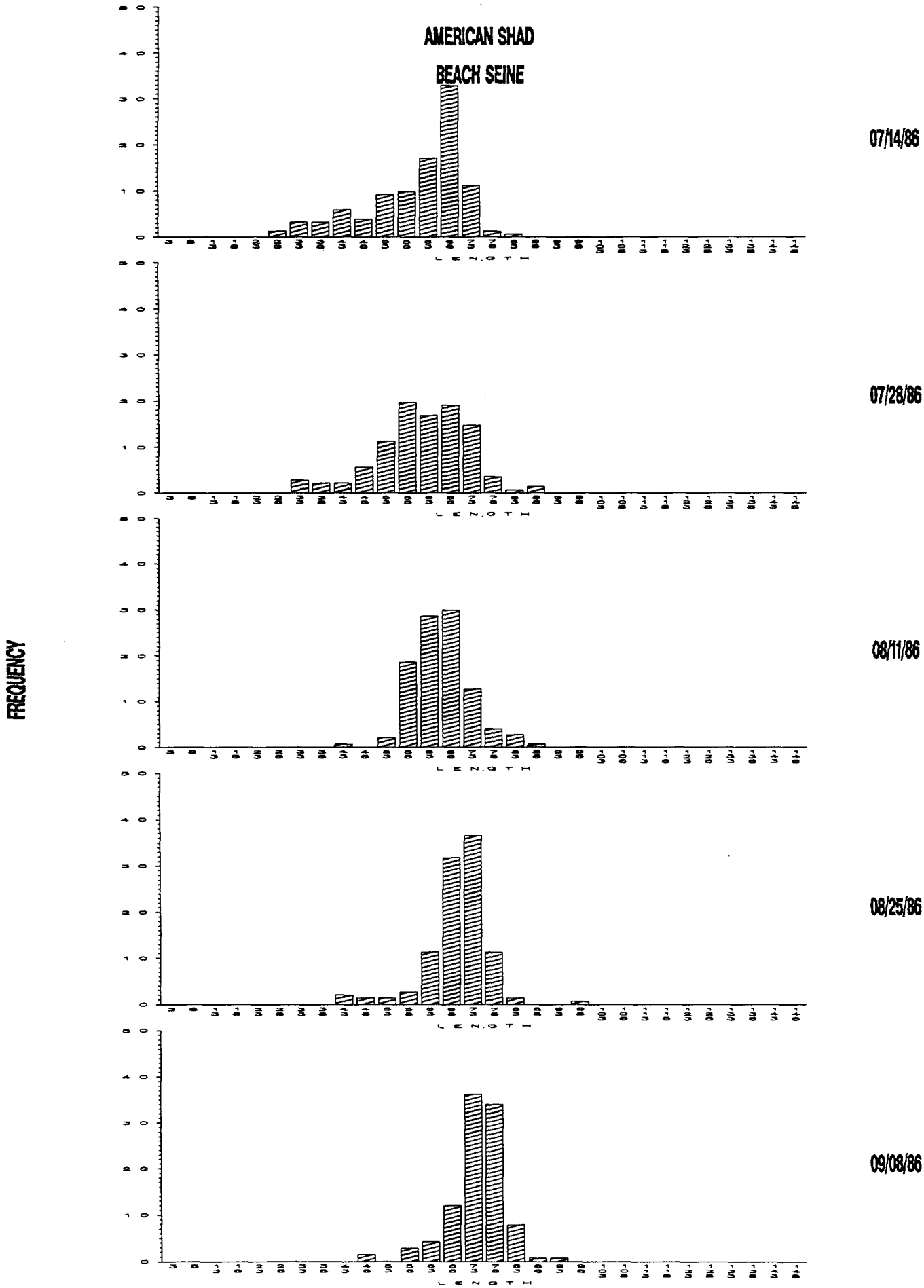

AMERICAN SHAD
FALL SHOALS
09/29/86
10/13/86
10/27/86
11/10/86
11/24/86
FREQUENCY
LENGTH

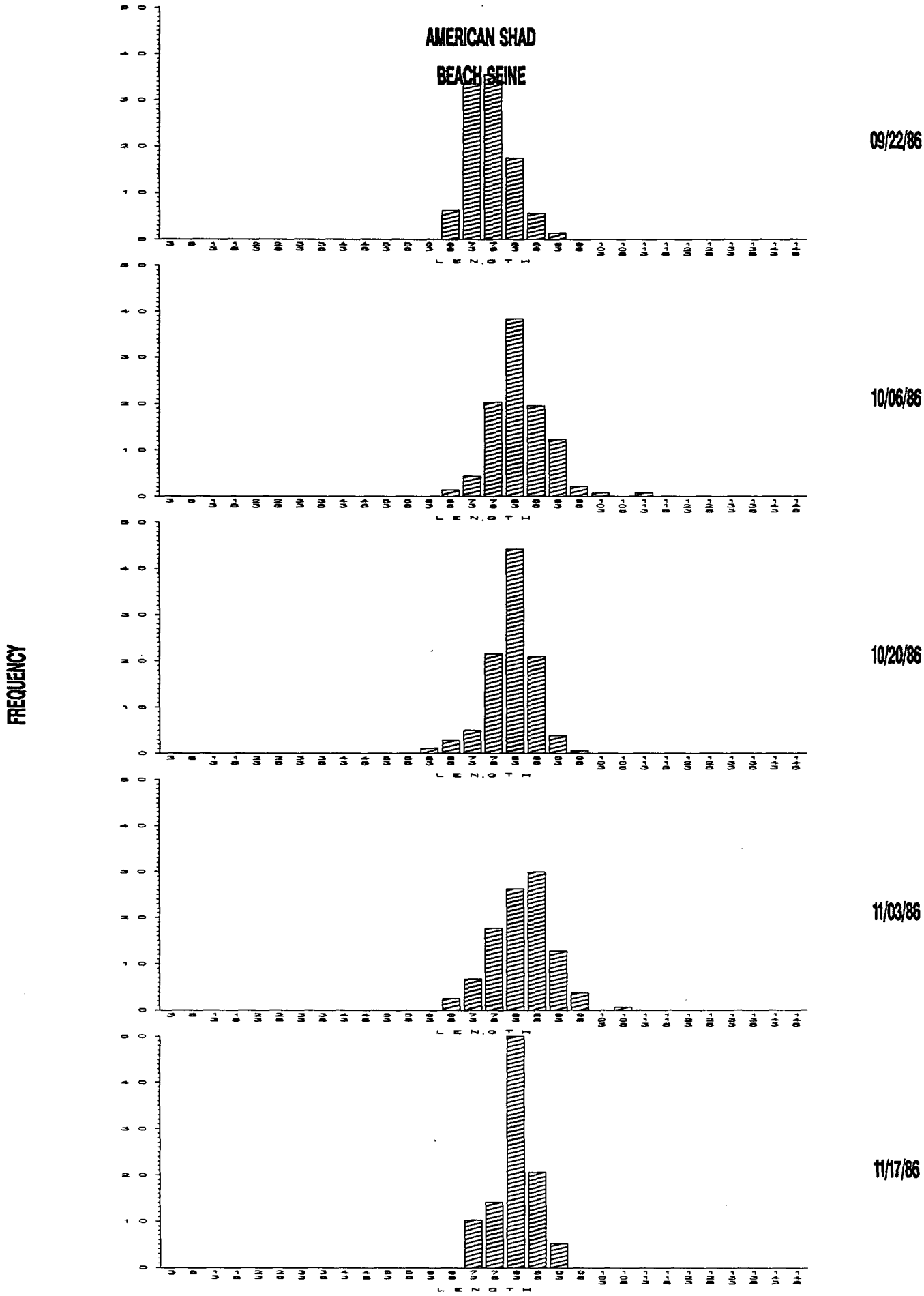

STRIPED BASS
BEACH SEINE
FREQUENCY
07/14/86
07/28/86
08/11/86
08/25/86
09/08/86

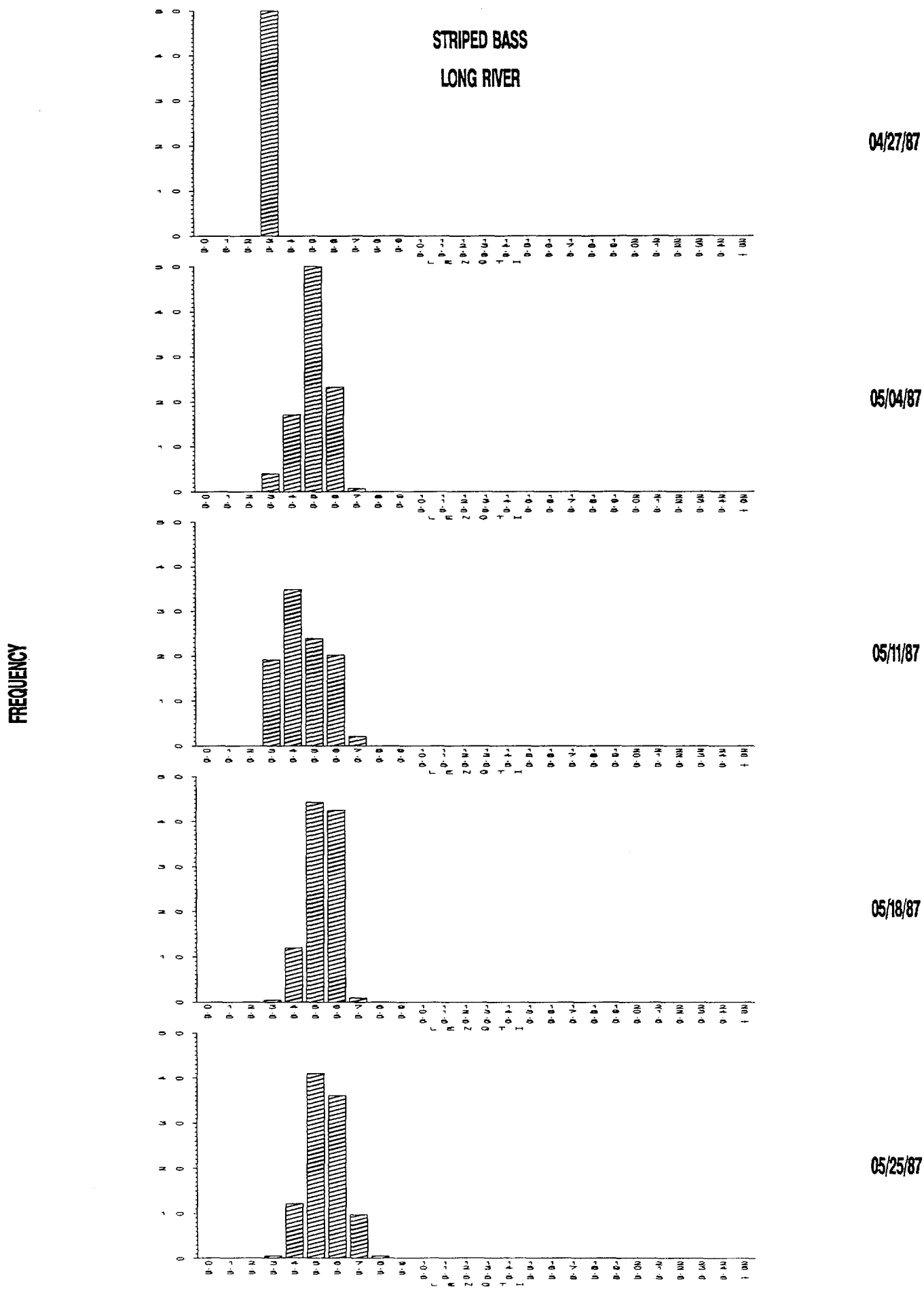

STRIPED BASS
BEACH SEINE
FREQUENCY
09/22/86
10/06/86
10/20/86
11/03/86
11/17/86

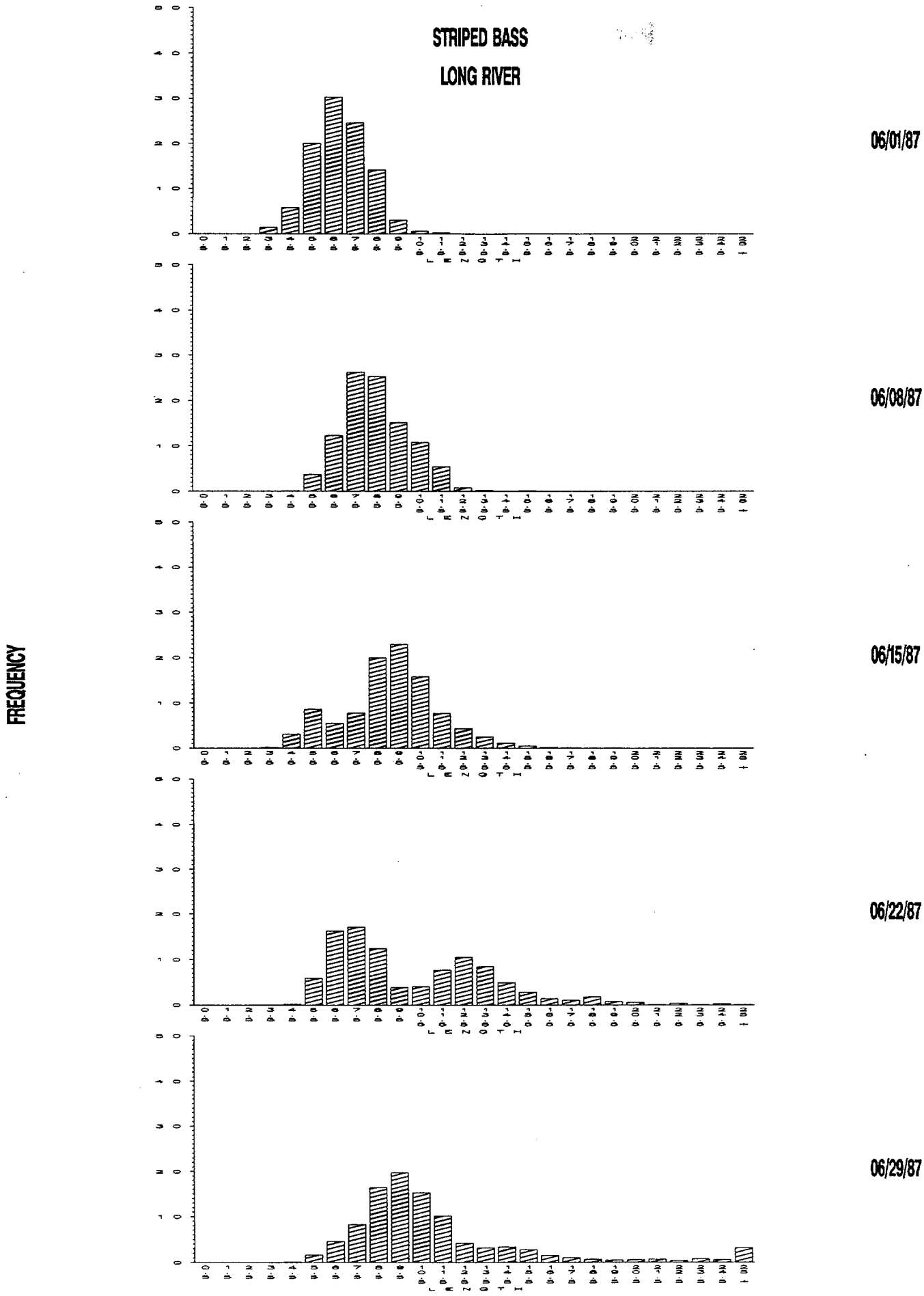

WHITE PERCH
BEACH SEINE
07/14/86
07/28/86
08/11/86
08/25/86
09/08/86
FREQUENCY


WHITE PERCH
BEACH SEINE
FREQUENCY
09/22/86
10/06/86
10/20/86
11/03/86
11/17/86


AMERICAN SHAD
BEACH SEINE
FREQUENCY
07/14/86
07/28/86
08/11/86
08/25/86
09/08/86


AMERICAN SHAD
BEACH SEINE
FREQUENCY
LENGTH
09/22/86
10/06/86
10/20/86
11/03/86
11/17/86

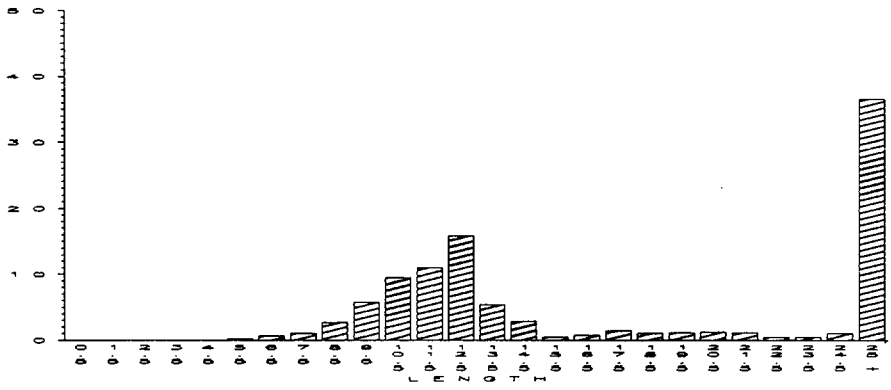

STRIPED BASS
LONG RIVER
FREQUENCY
04/27/87
05/04/87
05/11/87
05/18/87
05/25/87


STRIPED BASS
LONG RIVER
FREQUENCY
06/01/87
06/08/87
06/15/87
06/22/87
06/29/87

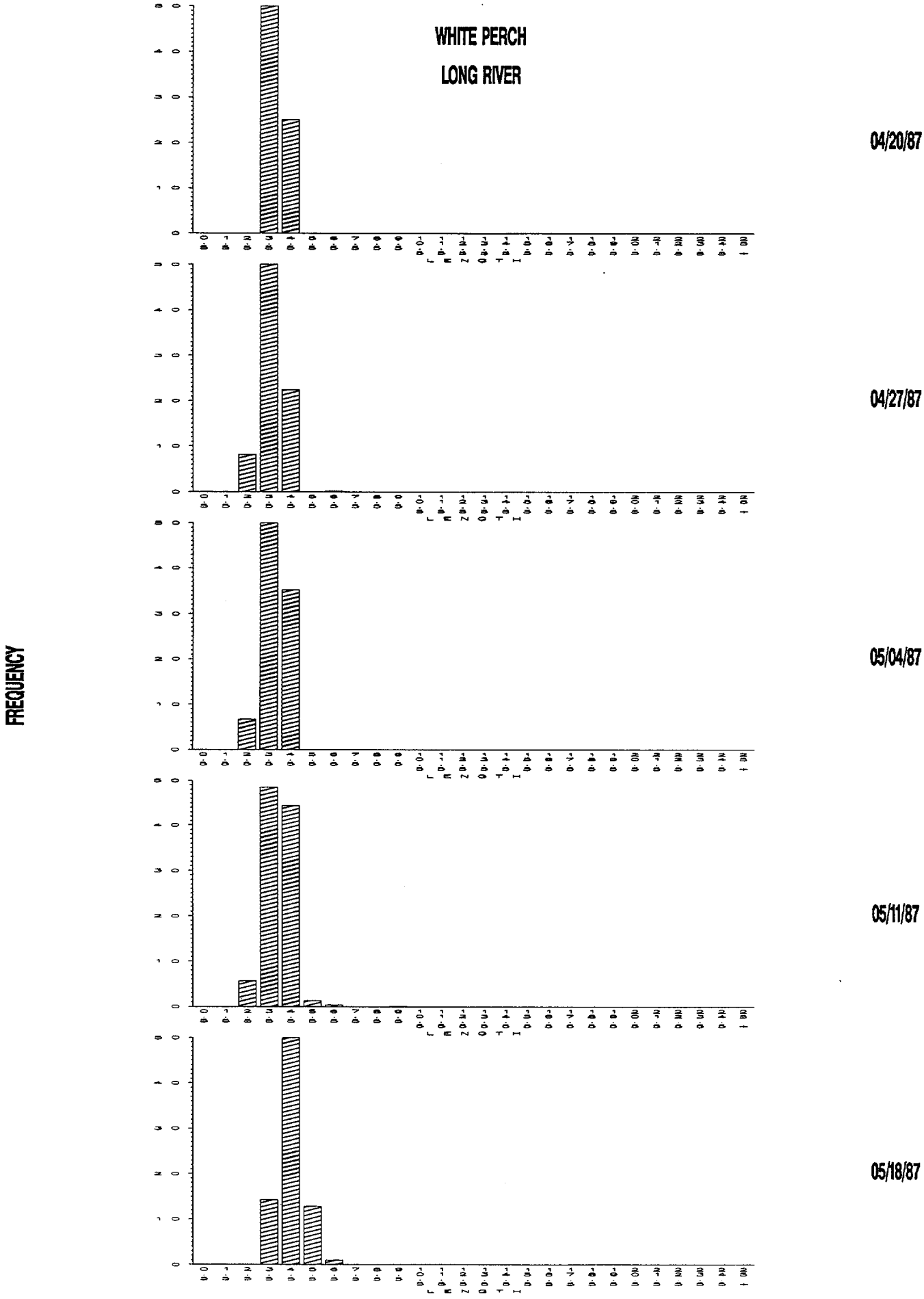
STRIPED BASS

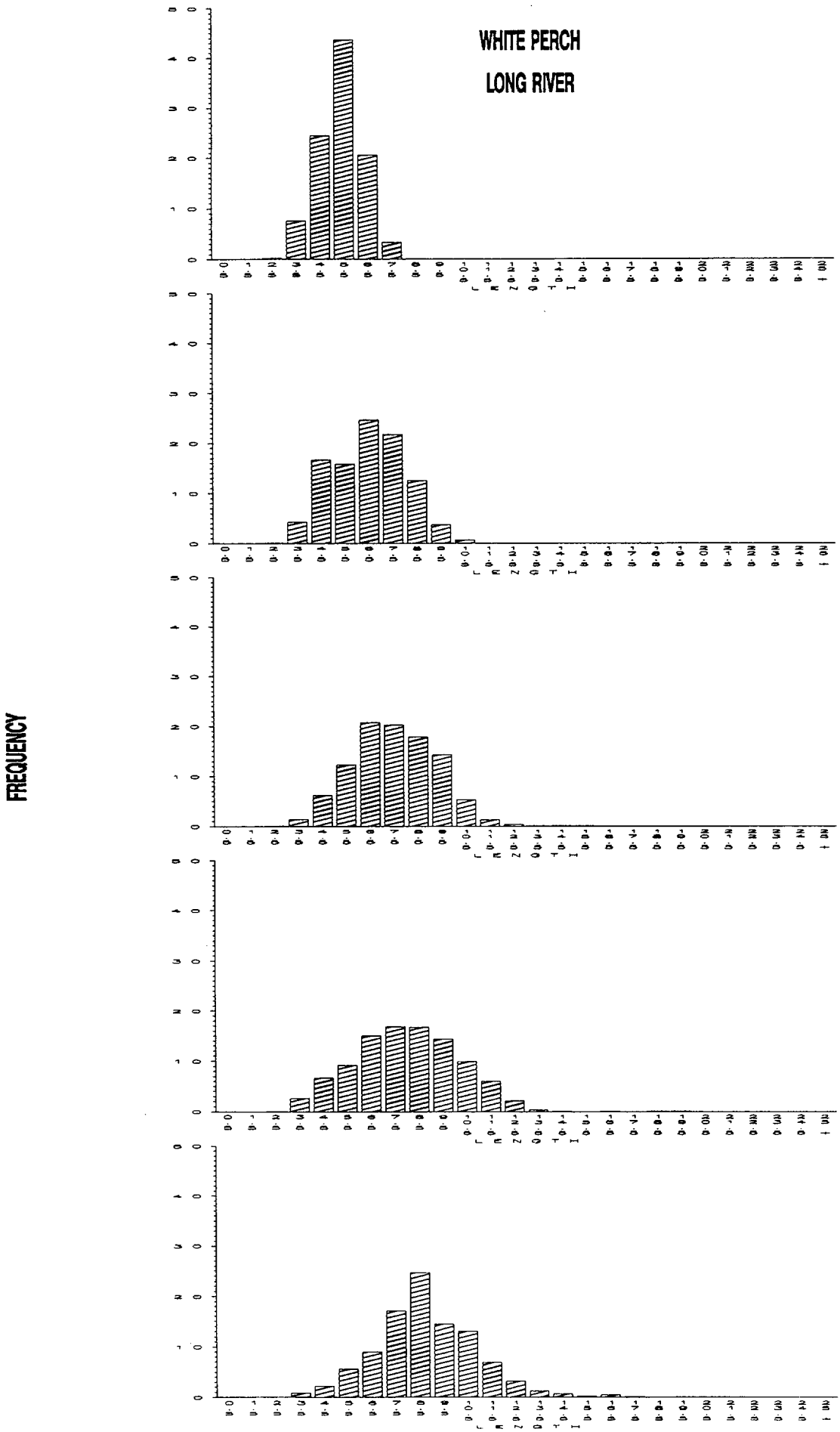
LONG RIVER

FREQUENCY



07/06/87

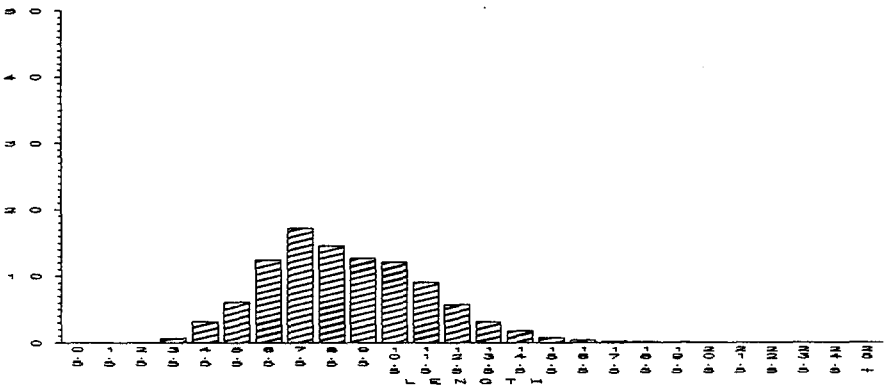

WHITE PERCH
LONG RIVER
FREQUENCY
04/20/87
04/27/87
05/04/87
05/11/87
05/18/87


WHITE PERCH
LONG RIVER
FREQUENCY
05/25/87
06/01/87
06/08/87
06/15/87
06/22/87

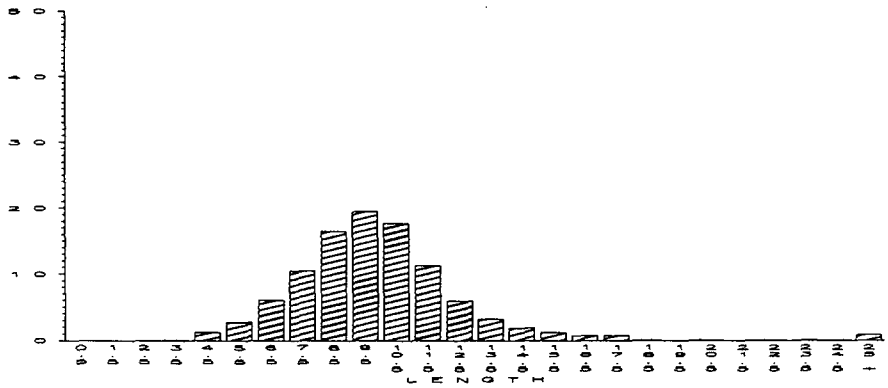
WHITE PERCH

LONG RIVER

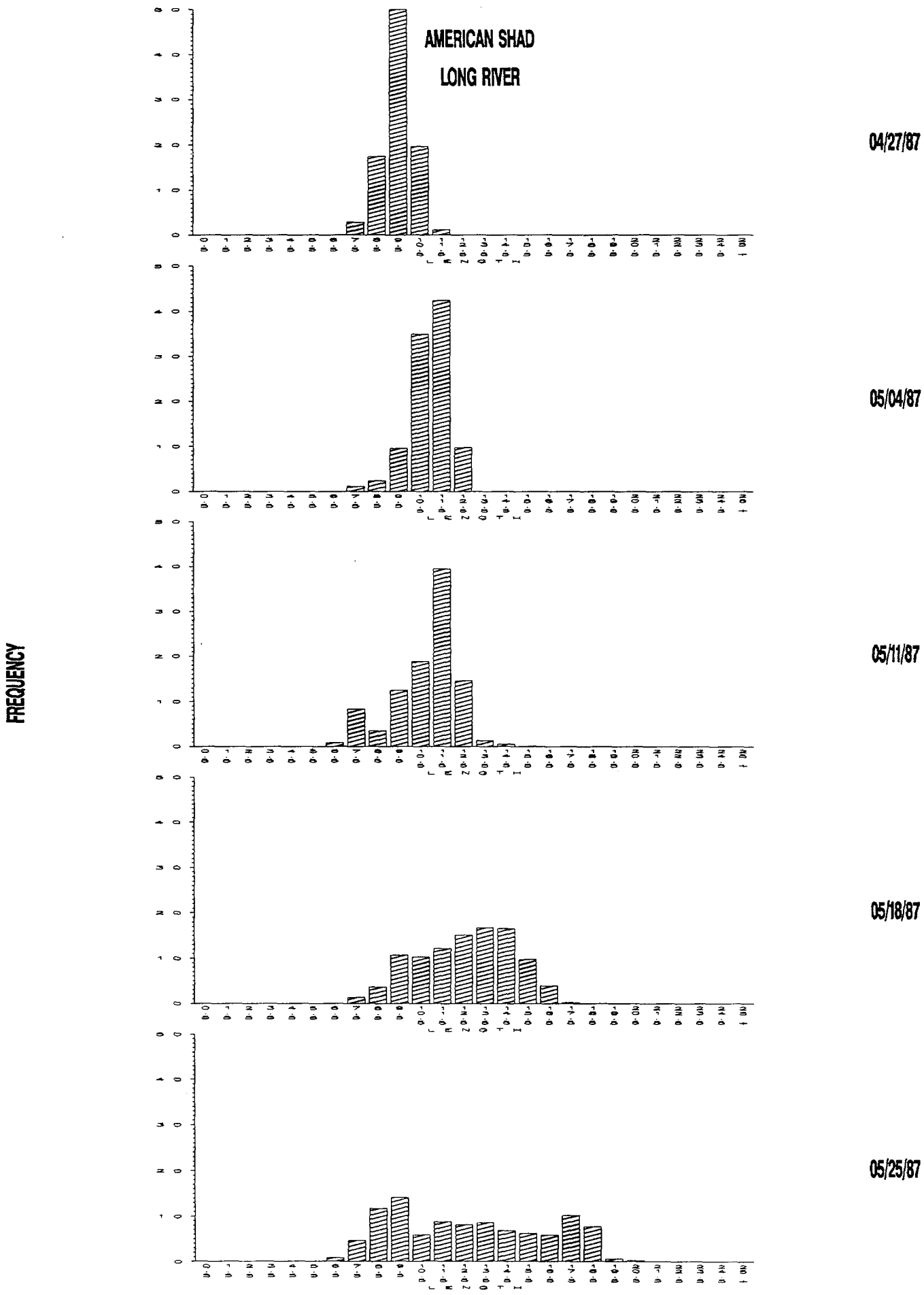
FREQUENCY

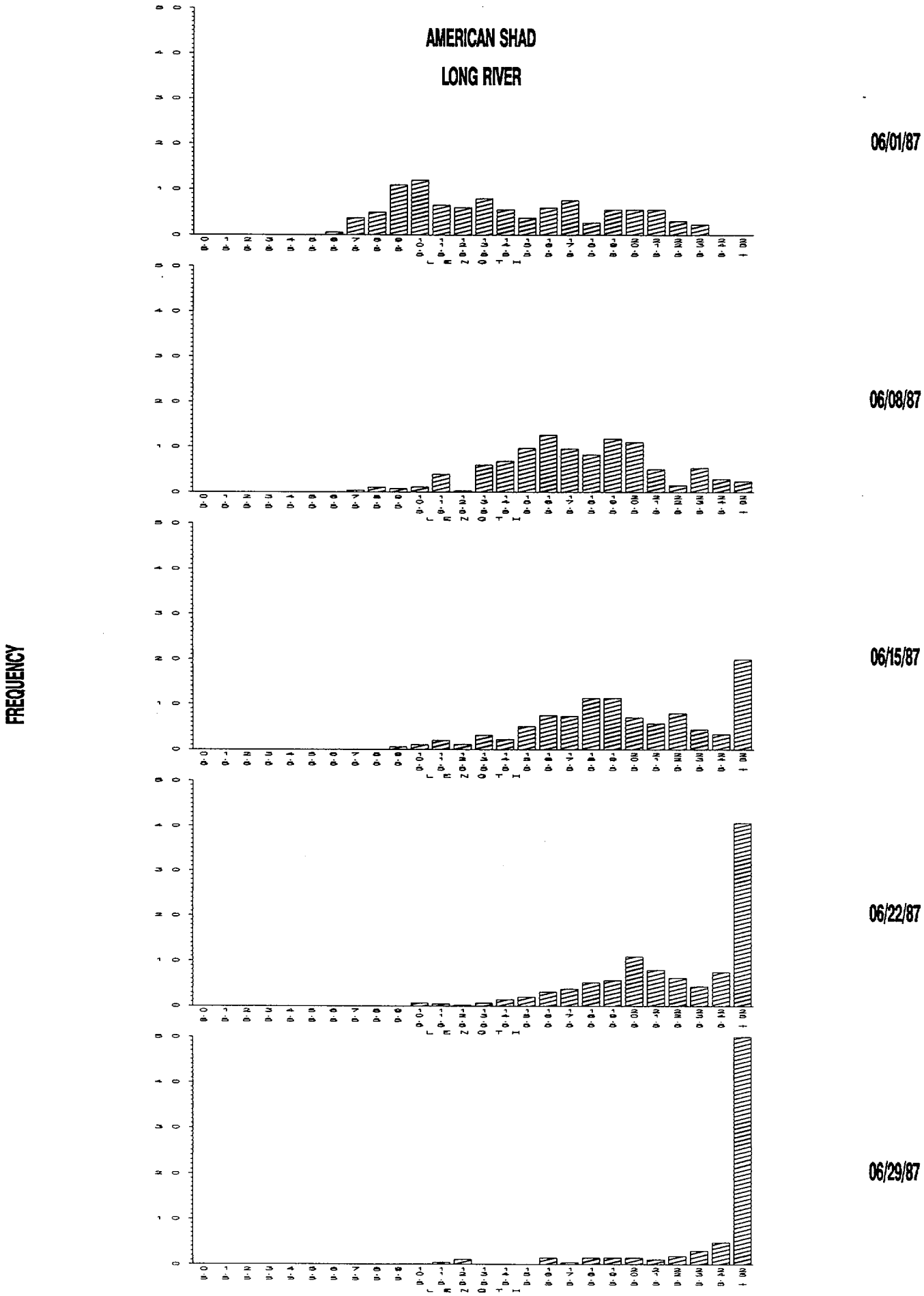


06/29/87



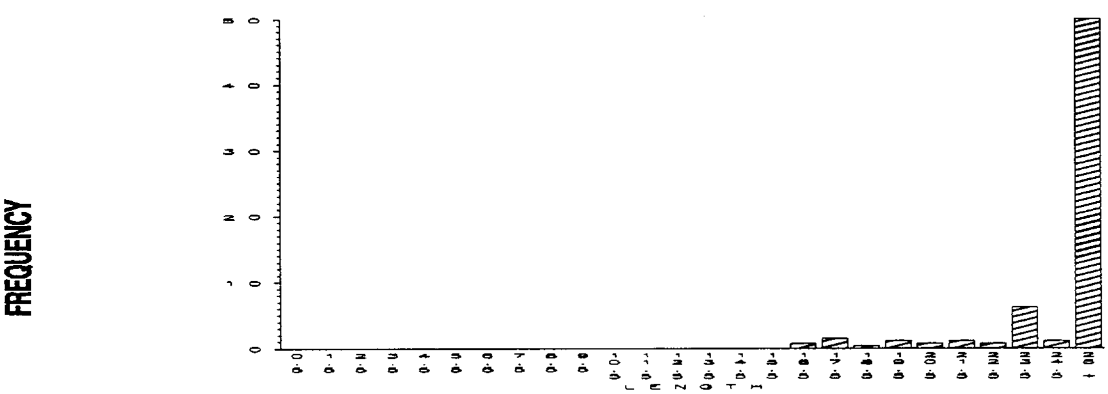
07/06/87


AMERICAN SHAD
LONG RIVER
FREQUENCY
04/27/87
05/04/87
05/11/87
05/18/87
05/25/87

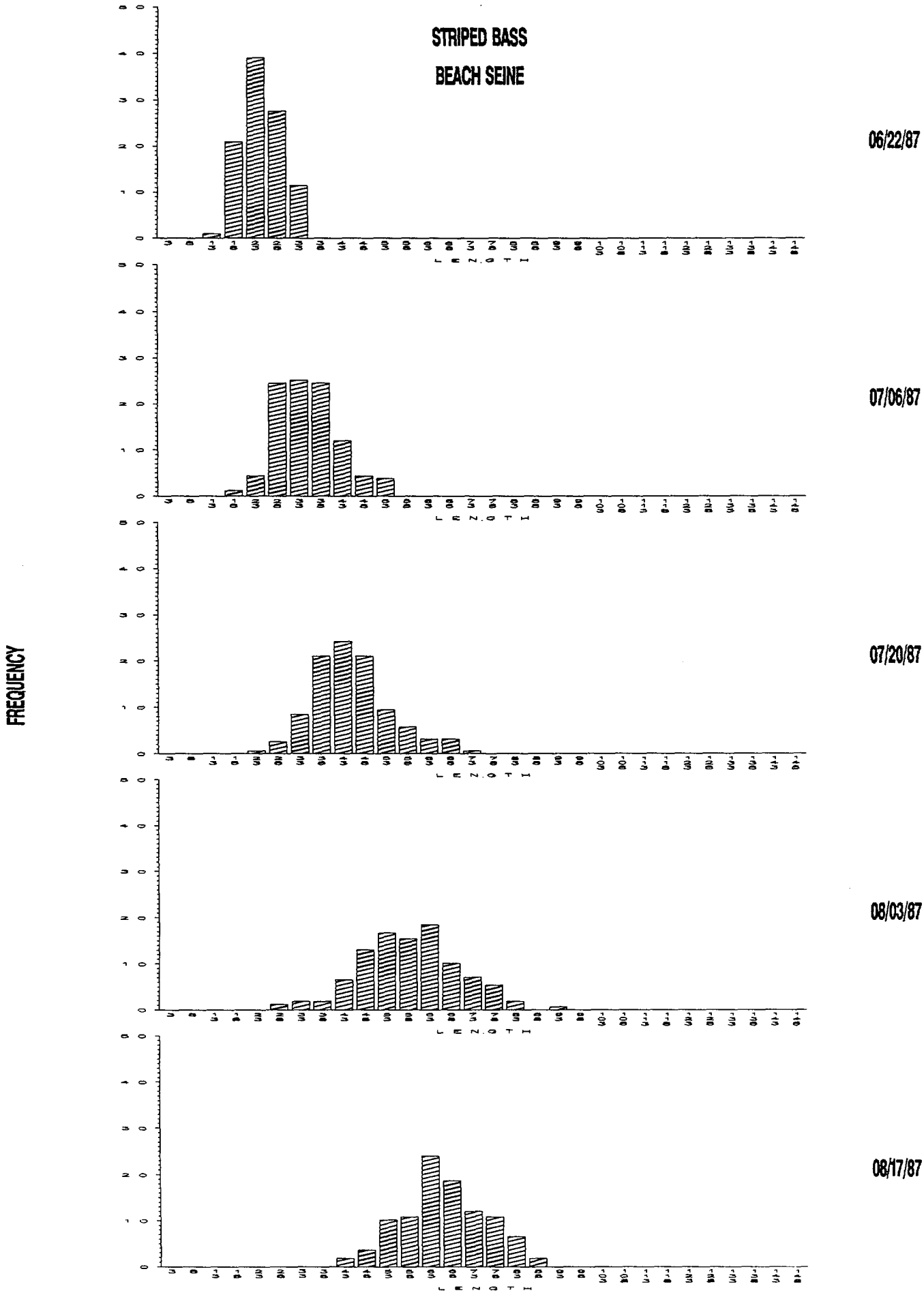

AMERICAN SHAD
LONG RIVER
FREQUENCY
06/01/87
06/08/87
06/15/87
06/22/87
06/29/87

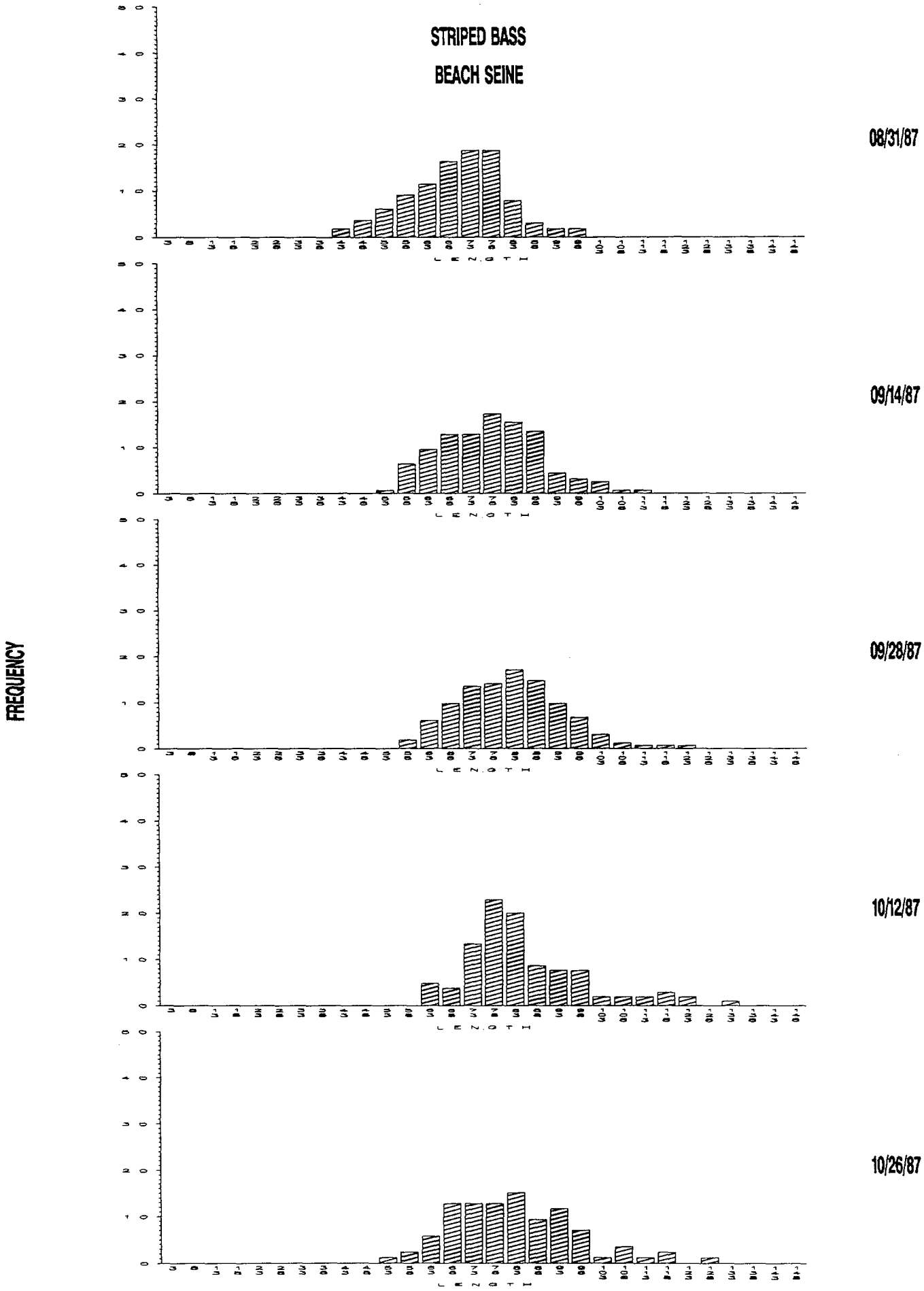
AMERICAN SHAD

LONG RIVER



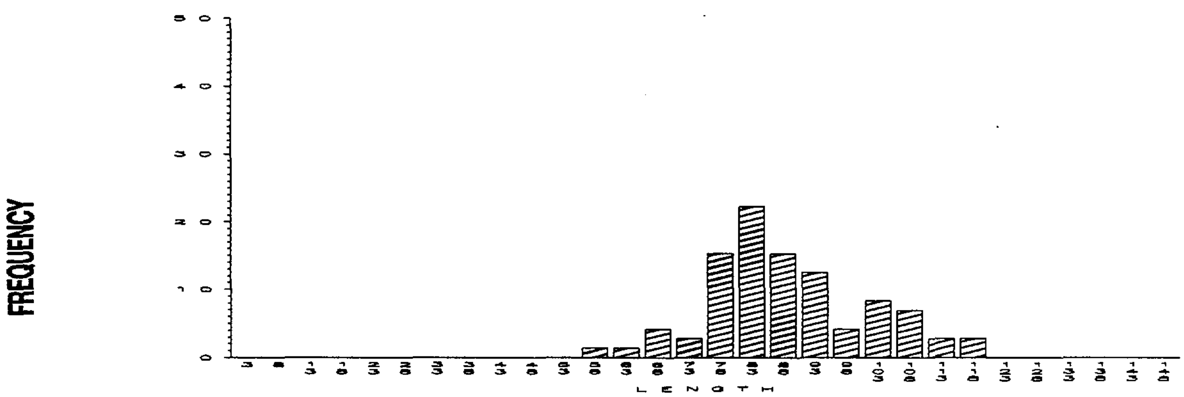
07/26/87


STRIPED BASS
BEACH SEINE
FREQUENCY
06/22/87
07/06/87
07/20/87
08/03/87
08/17/87

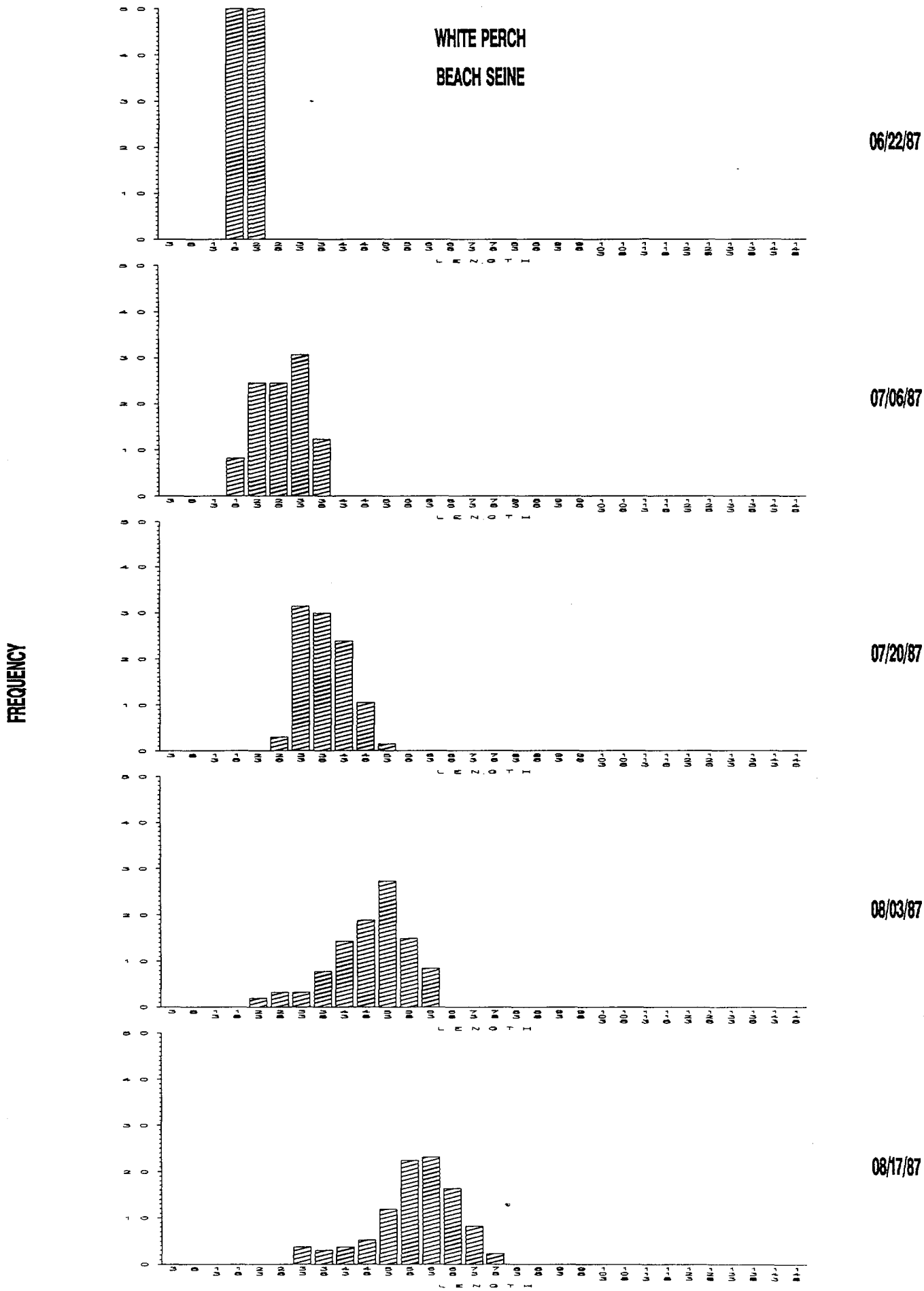

STRIPED BASS
BEACH SEINE
08/31/87
09/14/87
09/28/87
10/12/87
10/26/87
FREQUENCY

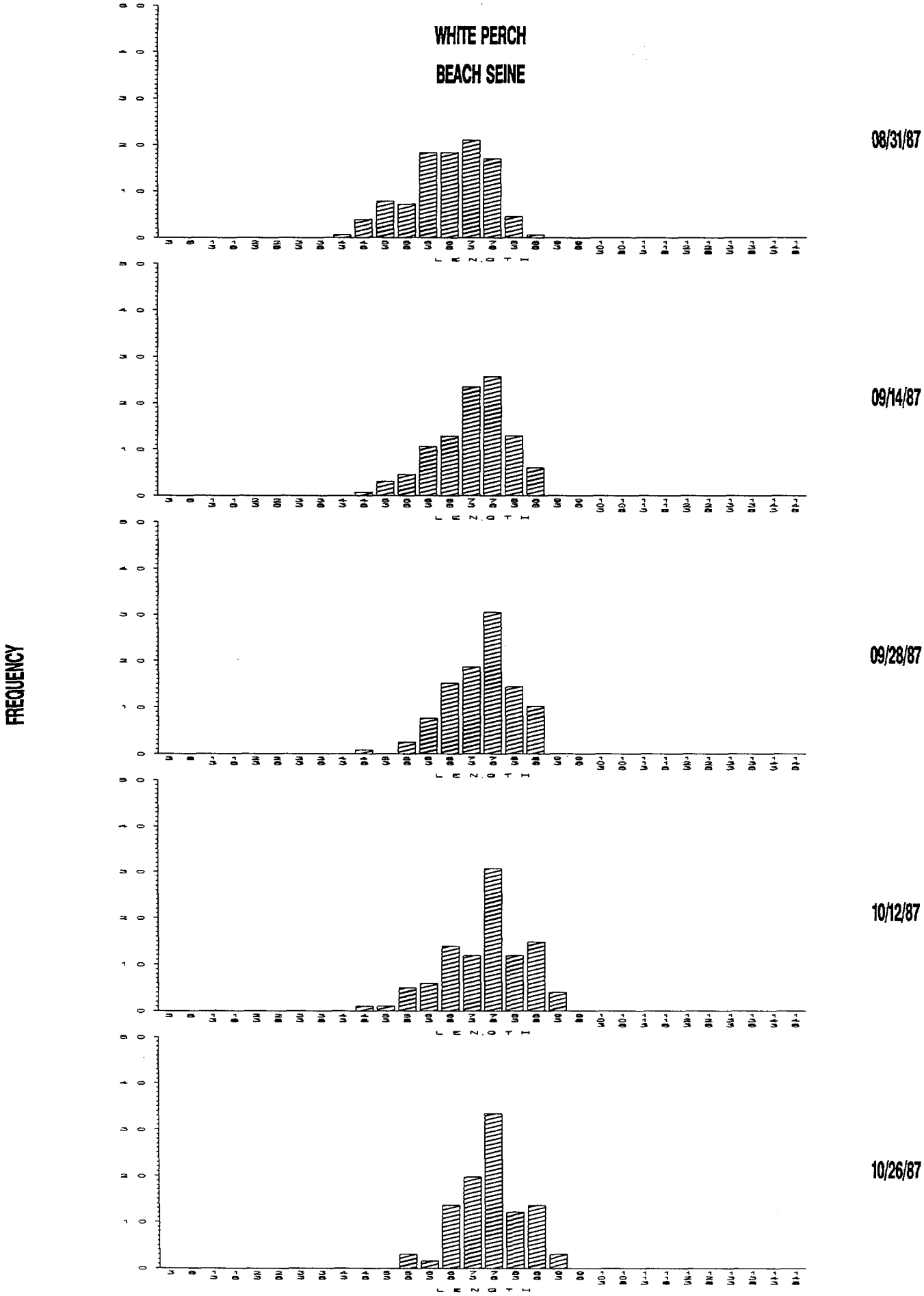
STRIPED BASS

BEACH SEINE



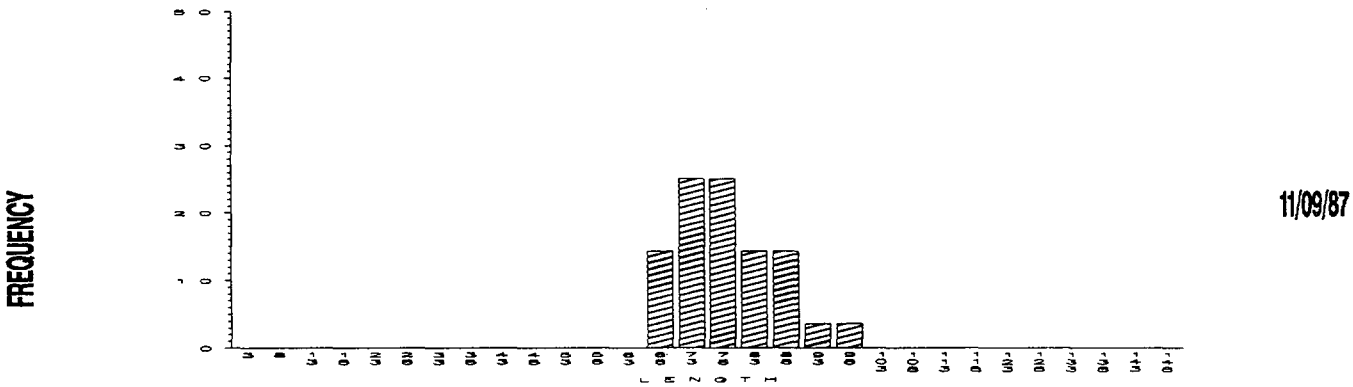
11/09/87

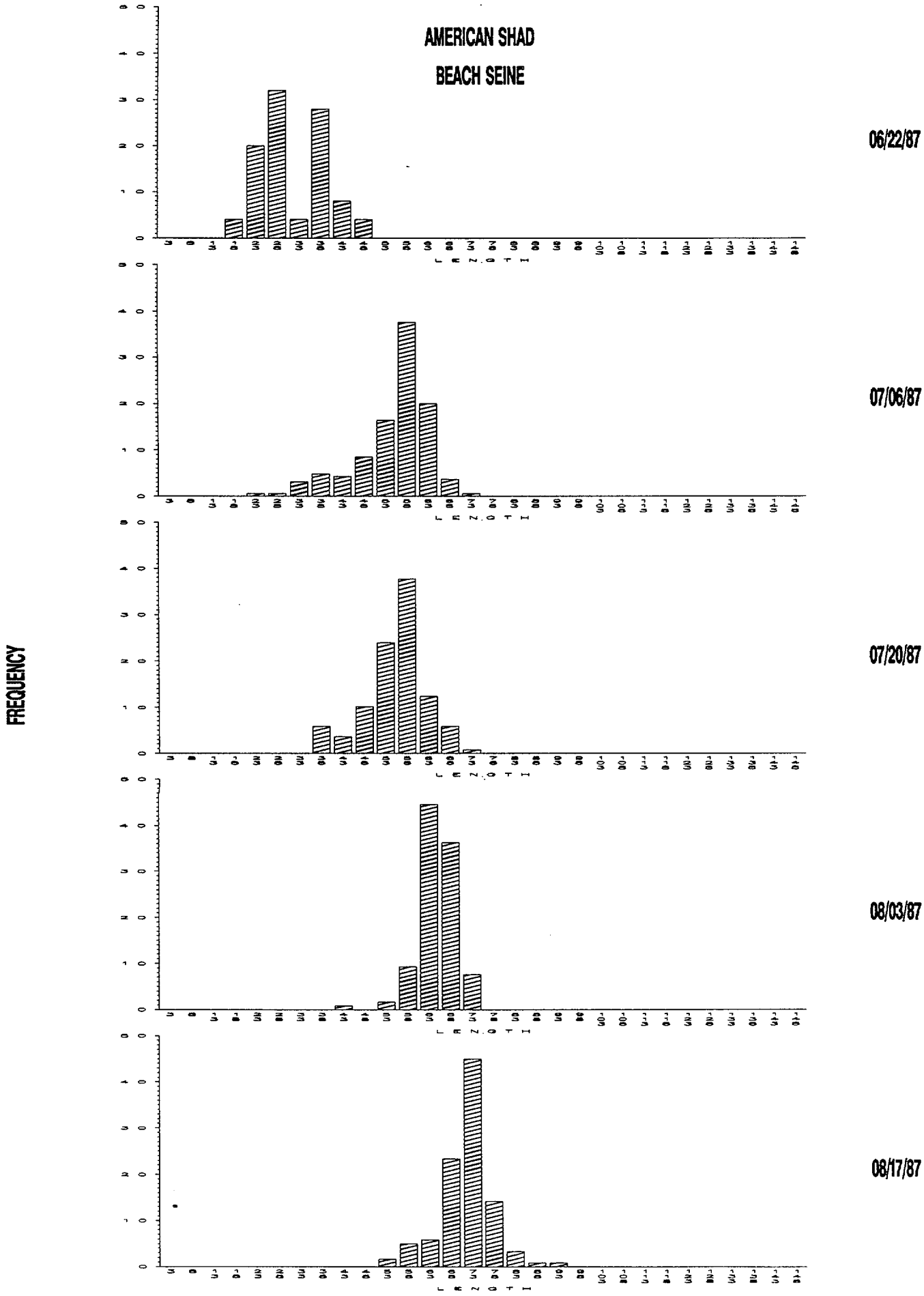

WHITE PERCH
BEACH SEINE
FREQUENCY
06/22/87
07/06/87
07/20/87
08/03/87
08/17/87

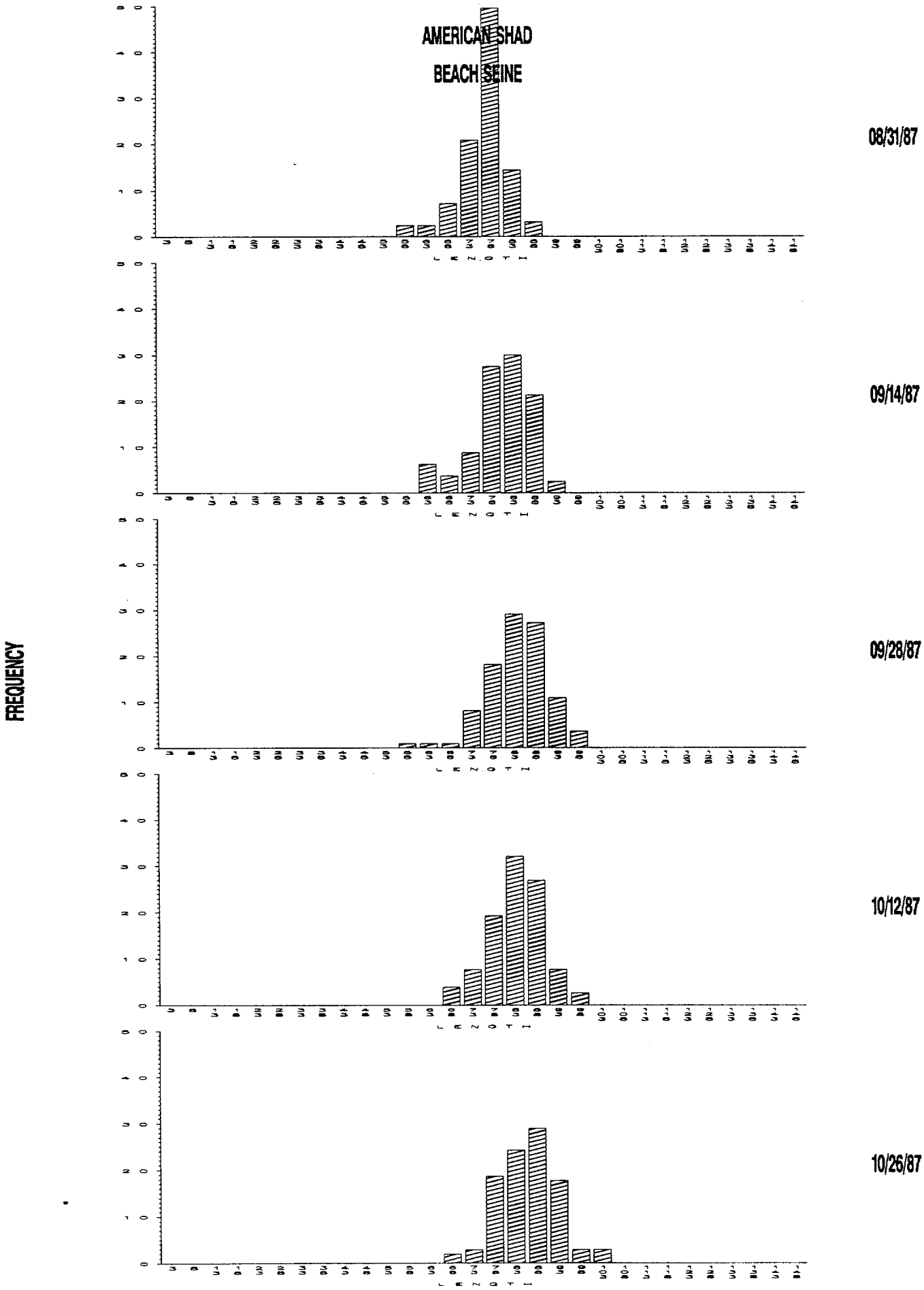

WHITE PERCH
BEACH SEINE
FREQUENCY
08/31/87
09/14/87
09/28/87
10/12/87
10/26/87

WHITE PERCH

BEACH SEINE

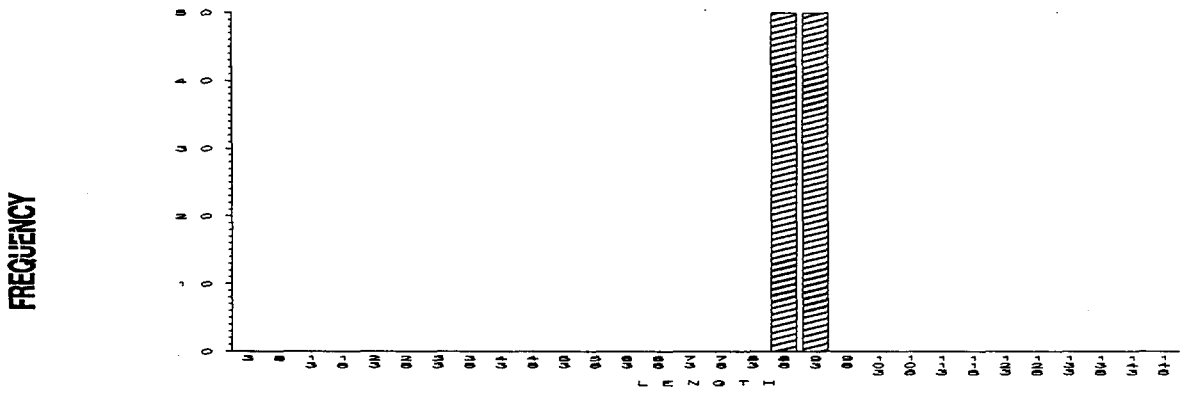



AMERICAN SHAD
BEACH SEINE
FREQUENCY
LENGTH
06/22/87
07/06/87
07/20/87
08/03/87
08/17/87

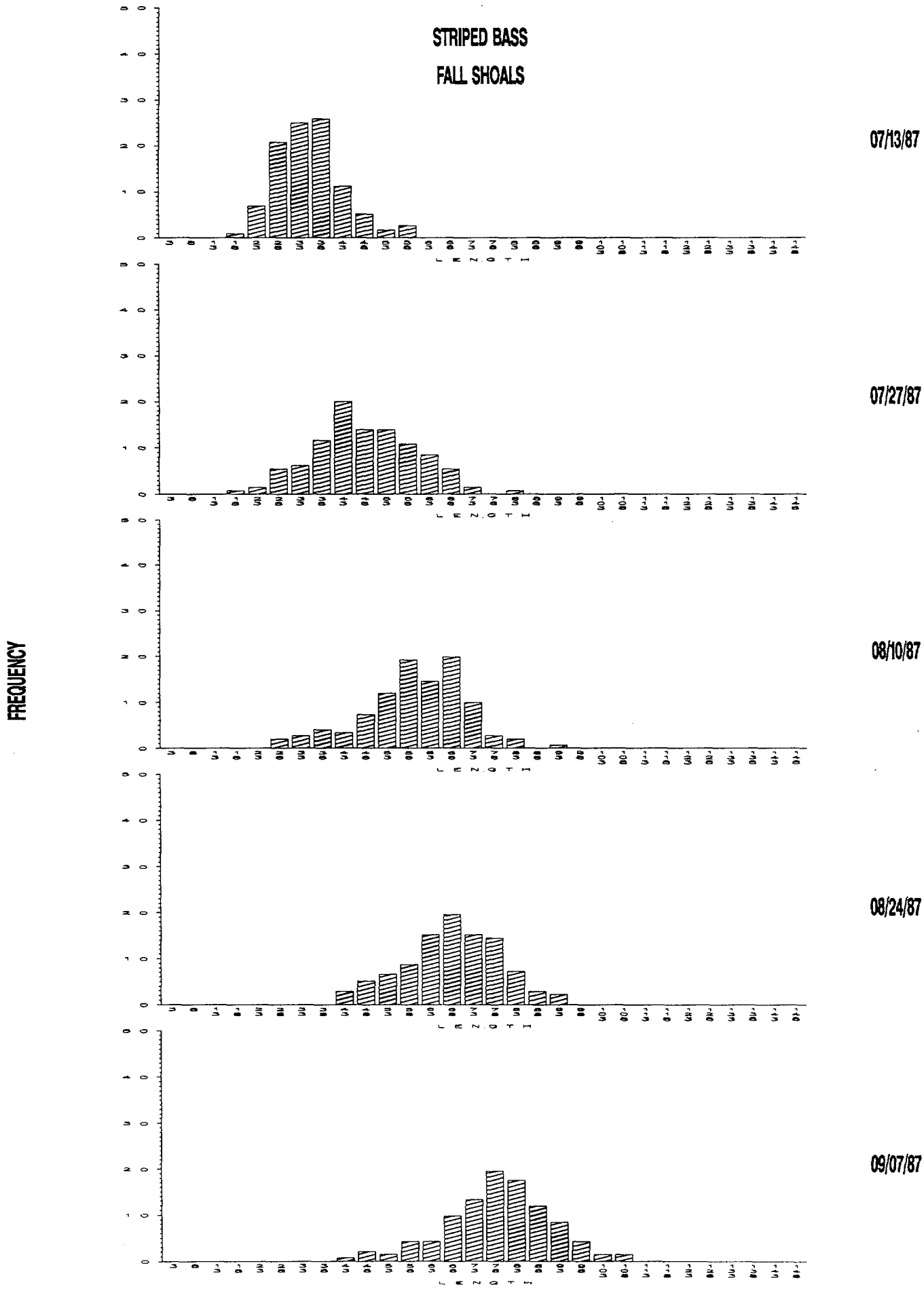

AMERICAN SHAD
BEACH SEINE
FREQUENCY
08/31/87
09/14/87
09/28/87
10/12/87
10/26/87

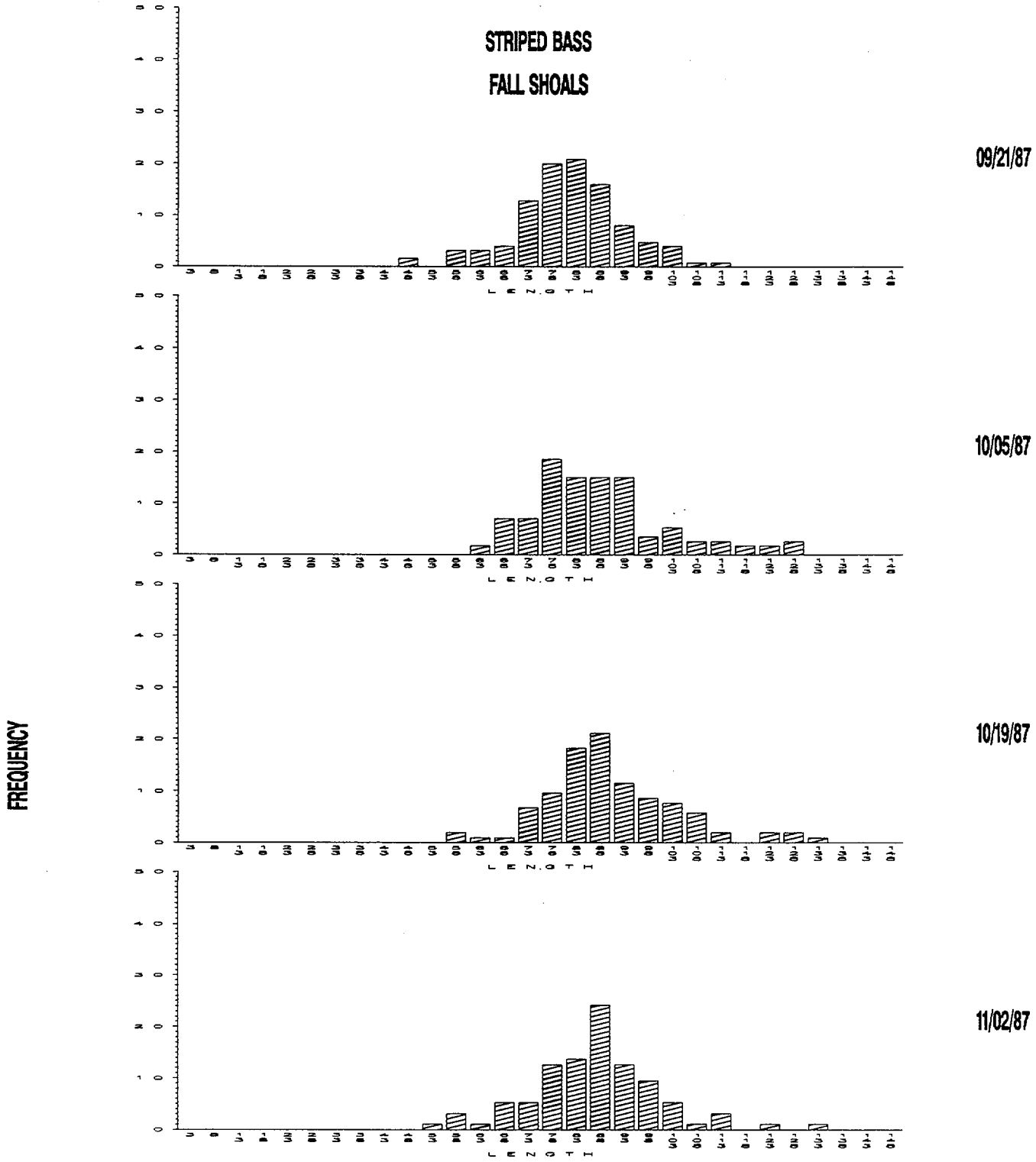
AMERICAN SHAD

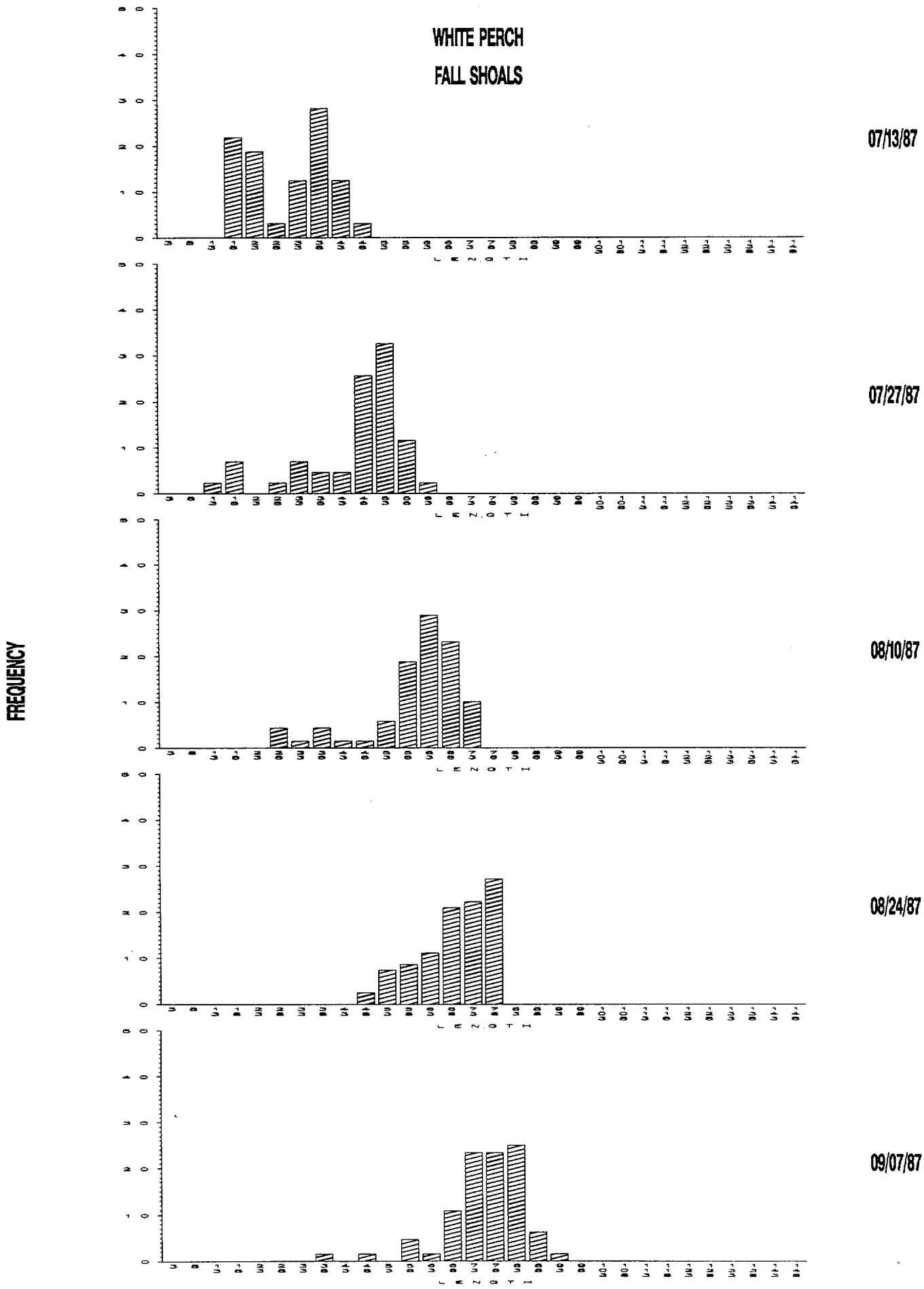
BEACH SEINE



11/09/87


STRIPED BASS
FALL SHOALS
FREQUENCY
07/13/87
07/27/87
08/10/87
08/24/87
09/07/87


STRIPED BASS
FALL SHOALS
09/21/87
10/05/87
10/19/87
11/02/87
FREQUENCY


WHITE PERCH
FALL SHOALS
07/13/87
07/27/87
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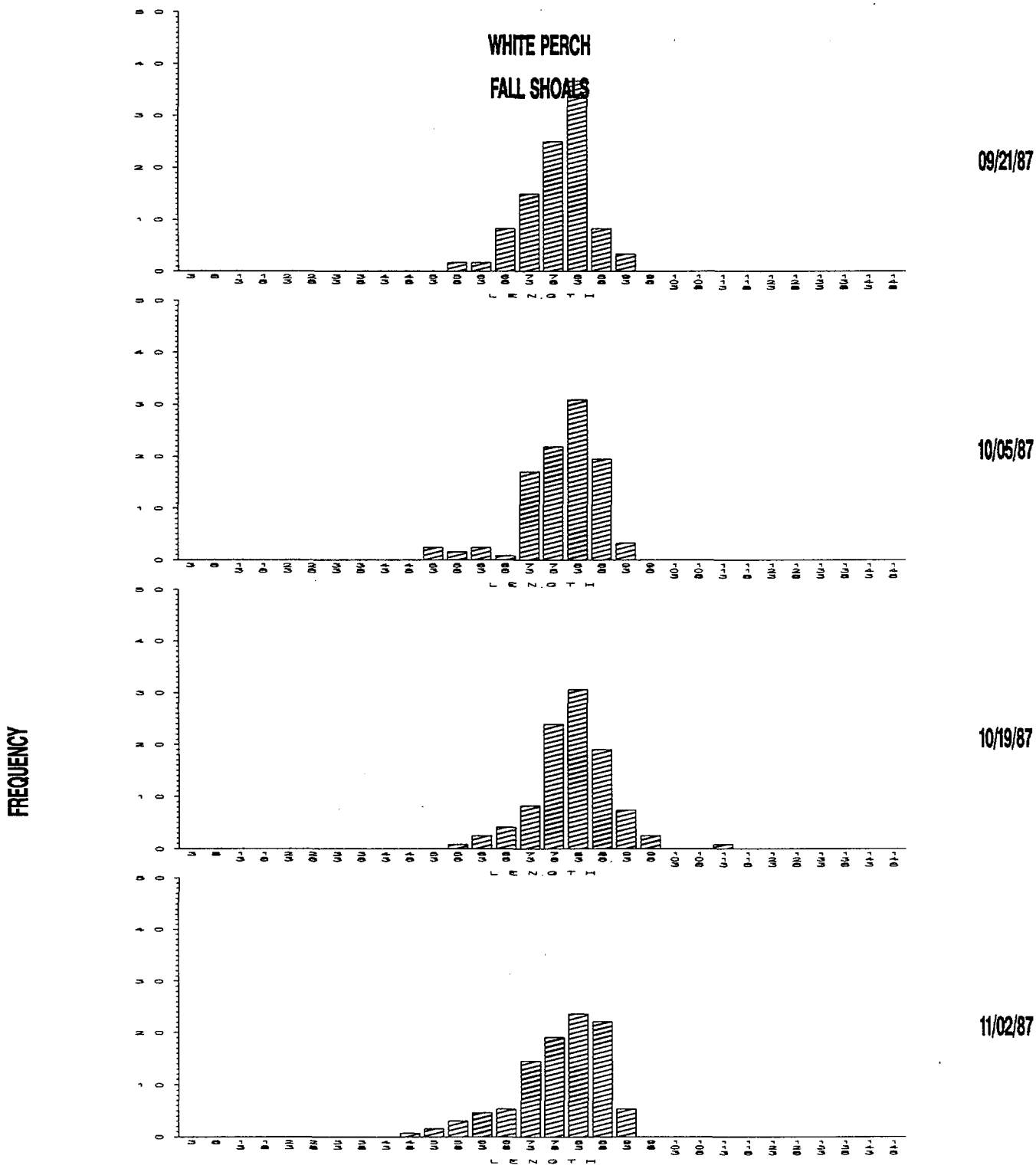
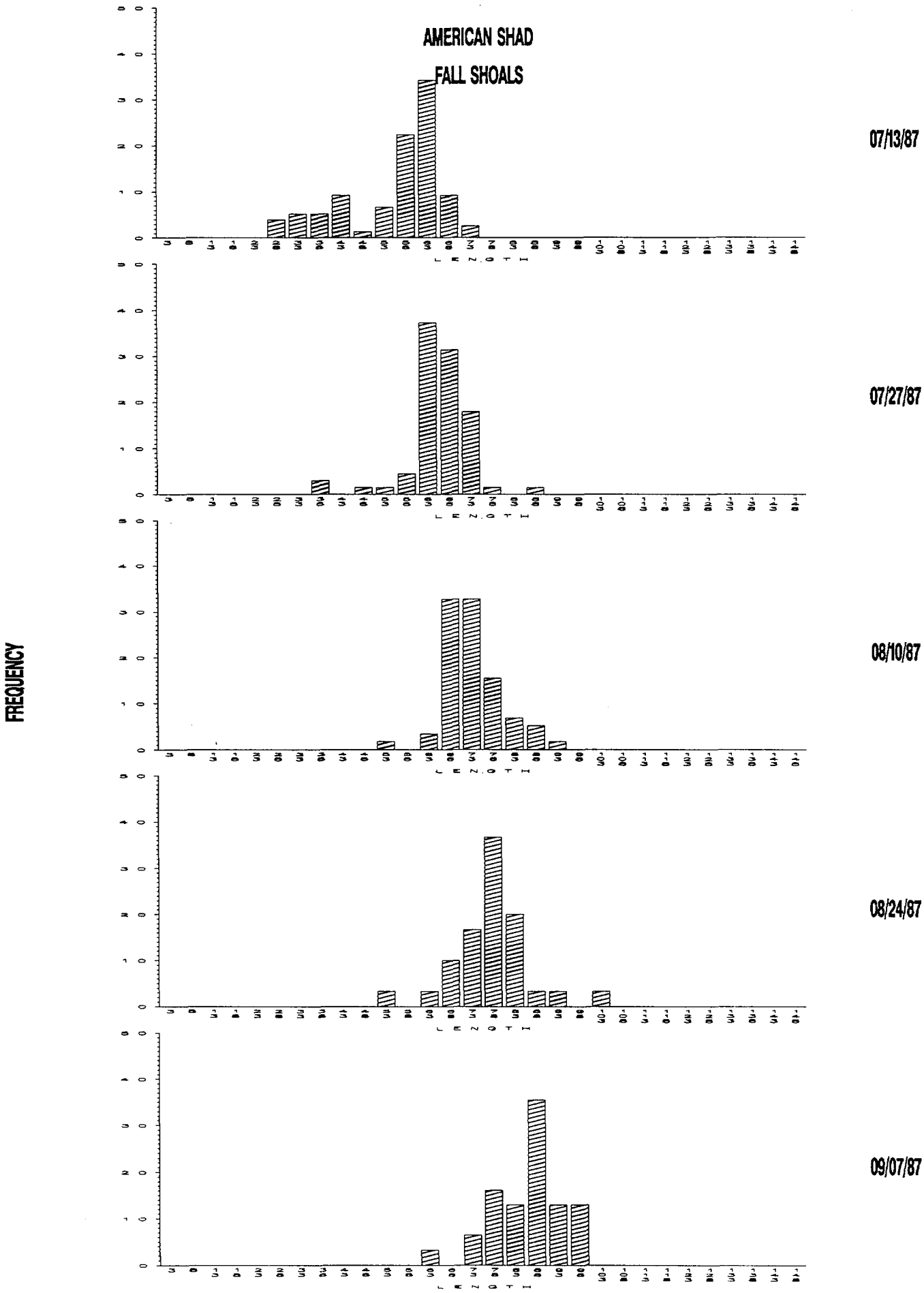
08/24/87
09/07/87
FREQUENCY


WHITE PERCH
FALL SHOALS
09/21/87
10/05/87
10/19/87
11/02/87
FREQUENCY
LENGTH


AMERICAN SHAD
FALL SHOALS
FREQUENCY
LENGTH
07/13/87
07/27/87
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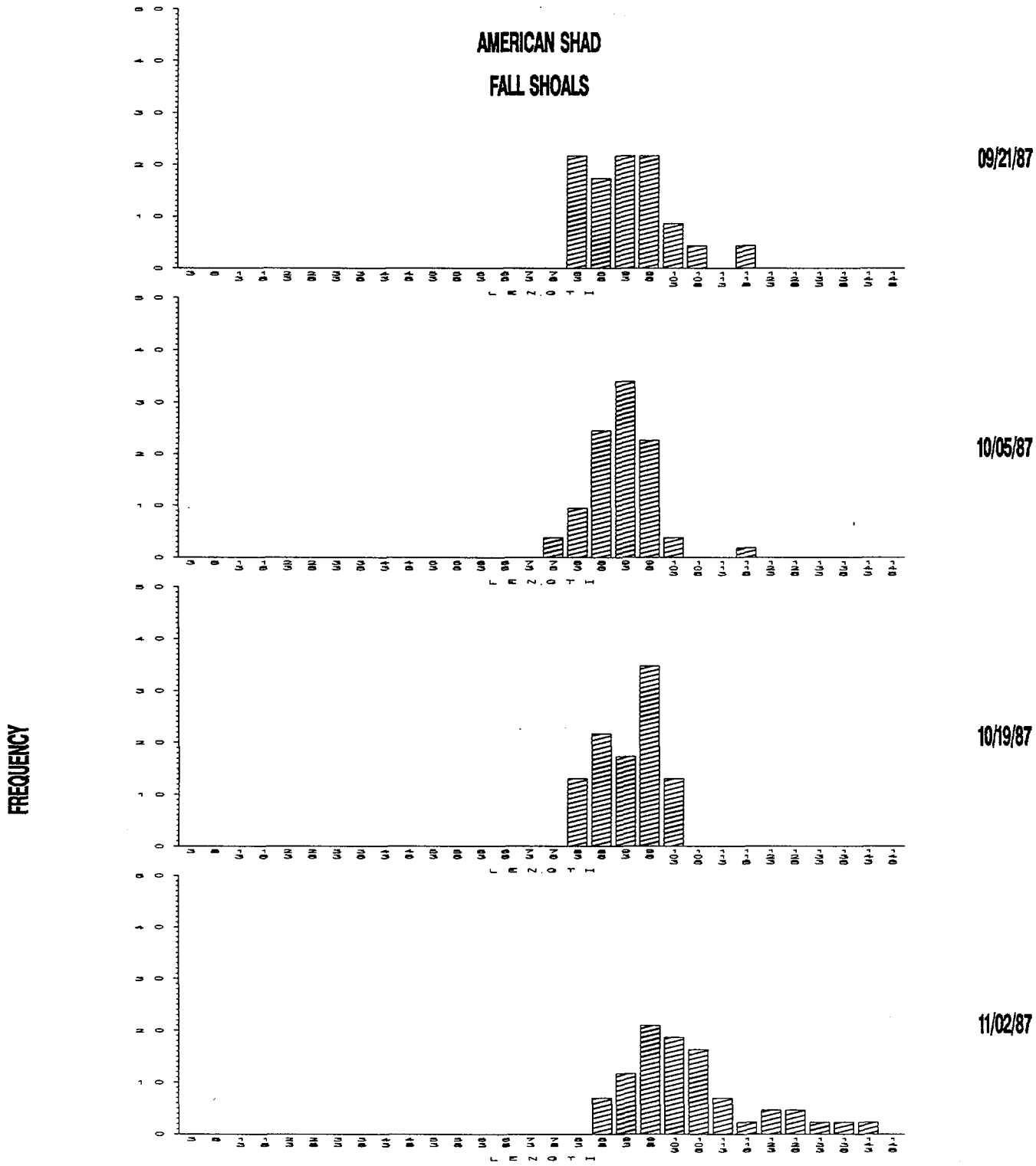
09/07/87


AMERICAN SHAD
FALL SHOALS
FREQUENCY
09/21/87
10/05/87
10/19/87
11/02/87